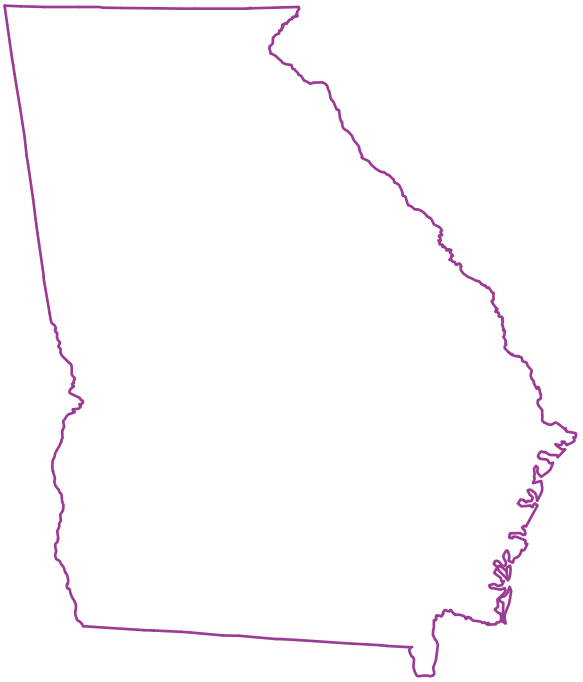
USGS
science for a changing world

Water Resources Data—Georgia, 2004

Volume 1: Continuous water-level, streamflow, water-quality, and periodic water-quality data, Water Year 2004

Water-Data Report GA-04-1

Compilers: Brian E. McCallum and Daniel V. Alhadeff
Authors: Anthony J. Gotvald, John T. Fisher, Craig E. Oberst, and Daniel L. Calhoun



U.S. Department of the Interior
U.S. Geological Survey

Prepared in cooperation with the State of Georgia and other agencies

Calendar for Water Year 2004

2003

October

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

November

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2004

January

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

February

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						

March

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

July

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Water Resources Data—Georgia, 2004

Volume 1: Continuous water-level, streamflow water-quality, and periodic water-quality data, Water Year 2004

Compilers: Brian E. McCallum and Daniel V. Alhadeff
Authors: Anthony J. Gotvald, John T. Fisher, Craig E. Oberst, and Daniel L. Calhoun

Water-Data Report GA-04-1

U.S. Department of the Interior
U.S. Geological Survey

U.S. Department of the Interior
Gale A. Norton, Secretary

U.S. Geological Survey
P. Patrick Leahy, Acting Director

U.S. Geological Survey, Reston, Virginia: 2005

For sale by U.S. Geological Survey, Information Services
Box 25286, Denver Federal Center
Denver, CO 80225

For more information about the USGS and its products:
Telephone: 1-888-ASK-USGS
World Wide Web: *http://www.usgs.gov/*

Suggested citation:
Gotvald, A.J., J.T. Fisher, C.E. Oberst, and D.L. Calhoun, 2005, Water Resources Data—Georgia, 2004, Volume 1—Continuous water-level, streamflow, water-quality data, and periodic water-quality data, Water Year 2004, B.E. McCallum and D.V. Alhadeff (compilers): Reston, Va., U.S. Geological Survey Water-Data Report GA-04-1, 2253 p.

ACKNOWLEDGMENTS

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

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

Daniel V. Alhadeff	Stephanie A. Gillain	Thomas J. Neighbors
S. Jack Alhadeff	Fred C. Gozzi	Ronald T. Nichols
Robert J. Allen	Jonathan J. Graham	Patricia L. Nobles
Paul D. Ankcorn	Susan C. Grams	Dawn A. Odom
Alex E. Arthurton	M. Brian Gregory	Mark A. Pederson
Brent T. Aulenbach	Michael D. Hamrick	Kelly J. Prescott
Jacqueline R. Avery	Susan L. Hartley	Timothy K. Pojunas
Nancy L. Barber	Kathryn M. Hartsfield	Jessica D. Richardson
William P. Bennett	Andrew C. Hickey	Mark S. Reynolds
Deidre D. Black	O. Gary Holloway	Claudia B. Russell
Gary R. Buell	Evelyn H. Hopkins	Ryan M. Scott
Christina E. Cloran	William B. Hughes	Jacqueline A. Shea
Brian L. Cochran	Lacey F. Jackson	Bevin A. Sims
Robert Coffin	Jolene J. Jones	Christopher A. Smith
Kevin M. Craley	Sara K. Jones	James H. Smith
Dianna M. Crilley	John K. Joiner	Charles G. Somerindyke
Charles D. Curbow	John F. Kerestes	Timothy C. Stamey
Melinda S. Dalton	Andrew E. Knaak	Samuel R. Stafford
Arthur C. Day	Jerrell O. Knight	Welby L. Stayton
Gregory B. Donley	Prince O. Kwartang	Jennifer L. Steinmueller
Donald D. Dowling	David A. Lairson	Daniel P. Stephens
Thomas R. Dyar	Jacob H. LaFontaine	Maurice W. Treece, Jr.
Sarah W. Ellisor	Stephen J. Lawrence	Mark V. Truhlar
J. Darryl Everett	Timothy J. Lawrence	Christopher B. Walls
C. David Fowler	David C. Leeth	Gerald B. Wetta
Elizabeth A. Frick	John M. McCranie	Lance J. Wilhelm
Joshua S. Fulson		Caryl J. Wipperfurth

This report was prepared in cooperation with the State of Georgia and with other agencies under the general supervision of Edward H. Martin, Georgia Water Science Center Director.

SPECIAL THANKS

The employees of the USGS Georgia Water Science Center wish to dedicate this edition of the Water Resources for Georgia annual data report to the following individuals who have left an indelible impression upon our work, our office, our agency, and our lives.

S. Jack Alhadeff (1955–2005)—Senior hydrologist with the USGS who specialized in developing innovative ways to present the data and interpretive results of the USGS, including the Georgia GIS Annual Data Report CD–ROM. A friend to many, a person we all strove to be like. He will be missed.

Evelyn H. Hopkins—Senior geographer with the National Water-Quality Assessment Program. Evelyn shared her strong technical skills, keen sense of humor, and sophistication with the NAWQA program for over a decade. She was willing to take on any task—be it a major GIS project or wading through a swamp. She is now retired to northern Georgia to spend time more time in the water—preferably in a kayak.

John F. "Jack" Kerestes—Senior hydrologic technician who helped to lead the USGS data collection in Georgia into a time of unprecedented growth and technological advances. Jack's good nature and vast expertise in streamgaging and water-quality were critical to the growth of the data program. He has retired to cooler climes.

Ronald T. "Terry" Nichols—Senior hydrologic technician from the Tifton Field Office that anchored the streamgaging network operations in southwest Georgia for more than 30 years. Terry's experience, work ethic, good humor, and commonsense approach were something that always could be counted on. He now is plowing the back 40 (plus a few more) acres in his second interest—south Georgia farming.

Jennifer A. Steinmueller (1982–2005)—student working in the Urban Hydrology Unit of the Atlanta Field Office. Jennifer's smile and positive attitude always brightened your day. Her sudden death was a profound loss to her friends at the USGS.

COOPERATION

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

Georgia Department of Natural Resources (DNR),
Noel Holcomb, Commissioner
Georgia Department of Transportation (DOT),
Harold Linnenkohl, Commissioner
Georgia Department of Agriculture (DOA),
Tommy Irvin, Commissioner
City of Albany
City of Atlanta
City of Attapulgus
City of Blairsville
City of Brunswick
City of Covington
City of East Point
City of Griffin
City of Helena
City of Lawrenceville
City of Macon
City of Roswell
City of Savannah
City of Springfield
City of Summerville
City of Thomaston
City of Valdosta
City of Winder
Albany Water, Gas, and Light Commission
Albany-Dougherty Planning Commission
Athens-Clarke County Public Utilities Department
Atlanta Regional Commission
Bibb County
Chattooga County Commission
Cherokee County Water and Sewerage Authority
Clayton County Water Authority
Cobb County Water System
Dalton Utilities
Etowah Water and Sewer Authority
Fayette County Water System
Fulton County Department of Public Works
Glynn County
Gwinnett County Public Works Department
Heard County Water Authority
Henry County Water and Sewerage Authority
Jekyll Island Authority
Liberty County
Monroe Water, Light and Gas Commission
Polk County Water, Sewage, and Solid Waste Authority
Rockdale County Department of Water Resources
St. Johns Water Management District
Suwannee River Water Management District
University of Georgia Marine Institute
Upper Oconee Water Authority
University of Georgia Marine Institute

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

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

The following organizations aided in collecting records:

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

CONTENTS

INTRODUCTION

Water resources data for the 2004 water year for Georgia consist of records of stage, discharge, and water quality of streams; lake and reservoir levels, ground-water levels, and ground-water quality published in two volumes in a digital format on a CD–ROM and the World Wide Web. Volume one of this report contains water-resources data for Georgia collected during water year 2004, including discharge records for 176 gaging stations, stage for 192 gaging stations, precipitation for 158 gaging stations, information for 19 lakes and reservoirs, continuous water-quality records for 46 stations, the annual peak stage and annual peak discharge for 64 crest-stage partial-record stations, miscellaneous streamflow measurements at 39 stations, and miscellaneous water-quality data at 47 stations in Georgia. Volume two of this report contains water resources data for Georgia collected during calendar year 2004, including continuous water-level records for 179 ground-water wells, discrete chloride sample data at 72 wells, and ground-water quality data collected at 13 wells and 1 drain. These data represent a part of the National Water Data System collected by the U.S. Geological Survey (USGS) and cooperating State and Federal agencies in Georgia.

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

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

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

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

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the streamflow representative of undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities. At 10 of these sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at *http://water.usgs.gov/hbn/*

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

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

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

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

Communication and coordination between USGS personnel and other local, State, and Federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program can be found at *http://water.usgs.gov/nawqa/*

Explanation of Records

The surface-water records published in this report are for the 2004 water year that began on October 1, 2003, and ended September 30, 2004. The records contain streamflow data and information for lakes and reservoirs. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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

Records of Stage and Water Discharge

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

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

Data Collection and Computation

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

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

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies;

(3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams or weirs; or (4) step-backwater techniques.

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

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

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

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

Data Presentation

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

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

Station manuscript

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

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

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

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

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

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

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

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

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

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

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

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

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

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

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

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

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

Other Records Available

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

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

Records of Surface-Water Quality

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

Classification of Records

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

A careful distinction needs to be made between “continuing records,” as used in this report, and “continuous recordings,” which refer to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface-water appear in this report are displayed by activating the appropriate theme coverage.

On-Site Measurements and Sample Collection

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

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

Water Temperature

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

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

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples are usually obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross section. Although data collected periodically may represent conditions only at the time of sampling, data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of a stream. The methods used in the computation of sediment records are described in the TWRI Book 5, Chapter C1, are consistent with ASTM standards, and generally follow ISO standards.

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

Laboratory Measurements

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

Data Presentation

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

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

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

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

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

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

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

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

Remark Codes

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

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

Records of Ground-Water Levels

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

In this report, water-level records are presented for 179 wells that have continuous water-level data. In addition to these data, water level and other records for 365 wells throughout Georgia were obtained through cooperative efforts of many Federal, State, and local agencies and placed in the USGS National Water Information System. Every 2 years, the USGS Georgia Water Science Center and the Georgia Department of Natural Resources, Environmental Protection Division, publish a report for the previous calendar year entitled "Ground-Water Conditions for Georgia." This report contains water-level hydrographs for recorder wells, maps showing water-level changes from the previous year, and other useful information. Details about the availability of the data in the water-level file may be obtained from the Director, USGS Georgia Water Science Center.

Data Collection and Computation

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

Hydrographs and summary of tables of water-level data are presented by aquifer and alphabetically by county. The primary site identification number for a given well is the 15-digit number that appears in header of the manuscript. The secondary identification number is the site name, derived according to a well-numbering system developed by the Georgia Water Science Center and based on the USGS index of 7½-minute topographic maps for Georgia. A matrix has been created to assign an alphanumeric designation to each topographic map in the State, with the column of maps covering the western-most portion of the State assigned the number "01" and the row of maps covering the southern-most portion of the State assigned the letter "A." Column numbers increase sequentially from west to east, and row letters advance alphabetically from south to north. Rows north of "Z" are designated by double letters; AA, BB, and so forth. The letters "I," "O," "II," and "OO" are not used. Each well in each 7½-minute quadrangle has been assigned a six-character designation consisting first of the column number, then of the row letter, or letters, of the quadrangle in which the well is located. The remaining digits of the local well number are assigned chronologically. The first well inventoried within the boundaries of a quadrangle is number 1. The number 1 is preceded by two zeros if the well is located on a quadrangle with a single-letter designation, and it is preceded by one zero if the well is located on a quadrangle with a double-letter designation. For example, the first well inventoried in the 08G quadrangle is designated the local well number 08G001, or the fourth well inventoried in the 11AA quadrangle is designated the local well number 11AA04.

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

Data Presentation

Hydrographs for selected periods of record follow the station description. The first graph is a hydrograph of daily mean water levels in feet above or below land-surface datum for the current calendar year (negative sign indicates water level above land surface). The second graph shows monthly-mean water levels for the period of record and the maximum, mean, and minimum of the monthly values for the calendar year. Summary statistics of monthly and annual water levels is given in a table below this graph. Monthly statistics are not computed nor graphed if more than 5 days of missing record occurs. If missing record occurs during the calendar year, it is implied that the highest and lowest water levels are the highest and lowest recorded during the year. If missing record occurs for the period of record, it is implied that the highest and lowest water levels are the highest and lowest recorded during the period of record. The third hydrograph shows monthly mean water levels for the period-of-record in feet above or below land-surface datum. Blank areas on a graph or hydrograph indicate missing records.

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

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

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

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

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

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

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

ACCESS TO USGS WATER DATA

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

http://water.usgs.gov

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

http://ga.water.usgs.gov

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

Director
USGS Georgia Water Science Center
Peachtree Business Center
3039 Amwiler Road, Suite 130
Atlanta, GA 30360-2824
(770) 903-9100

SUMMARY OF HYDROLOGIC CONDITIONS IN GEORGIA FOR THE 2004 WATER YEAR

Streamflow

The summary of hydrologic conditions for the 2004 water year for Georgia is based on the recorded daily precipitation totals and the daily mean streamflow from four "index" continuous streamflow gages operated by the U.S. Geological Survey (USGS). The four USGS index streamflow gages are 02226000 Altamaha River at Doctortown, Ga.; 02317500 Alapaha River at Statenville, Ga.; 02347500 Flint River near Culloden, Ga.; and 02392000 Etowah River at Canton, Ga. Normal streamflow conditions represent the 25–75 percentile range of historical mean streamflow.

For the 2004 water year, the general trend was from normal to slightly above-normal rainfall and runoff patterns for the months from October through December, followed by dry conditions throughout the spring across the State, and ending with an extremely wet August and September caused by a very active tropical season.

From October through December, all areas of the State were at- or above-normal streamflow conditions. The south-central region of Georgia experienced more than 6.5 inches of rainfall at the Statenville gage during October, causing the streamflow to be above normal for October and November. The streamflow at Statenville gage was almost 8 times the normal-flow conditions for the month of November. The northwest region of the State also experienced heavy rainfall during November, with more than 6 inches of rainfall recorded at the Canton gage, causing the streamflow to be above normal for November and December.

The flow conditions across the State abruptly changed to below-normal conditions starting during January, with a brief respite during February, but continuing throughout the spring and early summer. Streamflows during January fell by more than half that recorded during December at three of the four index stations. Only the Culloden gage during January recorded about 75 percent of the December streamflow. Rainfall amounts of 3.13 inches at the Canton gage, 3.92 inches at the Culloden gage, and 3.95 inches at the Statenville gage helped the streamflow conditions recover for February to normal conditions. Dry conditions returned in March, with less than 0.20 inches of rainfall recorded at the Doctortown and Statenville gages. Below-normal streamflow conditions continued through June, with flows averaging about 65 percent of normal.

Much needed rainfall began again during June and continued during July, bringing the streamflow conditions at all four index stations back into the normal range. Conditions were generally dry during August, which again returned streamflows to the at- or below-normal range at all four index stations. This changed quickly in the southeast region of Georgia as the first of five tropical storms impacted the State. Tropical Storm Bonnie grazed the southeastern edge of Georgia with minimal impact. This was followed a few days later by the remnants of Hurricane Charley, which dumped 5.42 inches of rainfall at the Statenville gage and 3.76 inches of rainfall at the Doctortown gage during August 11 to 13. The remnants of Hurricane Frances tracked across the central region of Georgia during early September, followed by Hurricanes Ivan and Jeanne by mid-September. The rainfall amounts and subsequent flooding were dependent on the tracks of each storm. Rainfall amounts of 32.04 inches were recorded at the Statenville gage for the months of August and September. The Canton gage recorded almost 15 inches of rain during the same period. Especially hard hit was the Atlanta metropolitan area, where period of record floods occurred at several long-term stations, including Sope Creek near Marietta and Peachtree Creek at Atlanta. The gage at Peachtree Creek was inundated twice in less than 2 weeks by back-to-back period-of-record floods. Nearly every area of Georgia was affected by the series of tropical systems during August and September, bringing the dry conditions experienced earlier that year to end.

Ground Water

Hydrographs in this section of the report provide an overview of ground-water levels in major aquifers in Georgia during 2004. Changes in ground-water levels measured in wells are caused by changes in aquifer storage. Taylor and Alley (2001) describe the many factors that affect ground-water storage; these are briefly discussed here. When recharge to an aquifer exceeds discharge, ground-water levels rise; and when discharge exceeds recharge, ground-water levels decline. Recharge varies in response to precipitation and surface-water infiltration into an aquifer. Discharge occurs as natural flow from an aquifer to streams and springs, as evapotranspiration, and as withdrawal from wells.

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

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

Ground-water levels are monitored continuously in a network of wells completed in major aquifers of the State. This network includes, but is not limited to, 20 wells in the surficial aquifer, 18 wells in the upper and lower Brunswick aquifers, 5 wells in the Floridan Aquifer system, 67 wells in the Upper Floridan aquifer, 17 wells in the Lower Floridan aquifer and underlying units, 12 wells in the Claiborne aquifer, 1 well in the Gordon aquifer, 11 wells in the Clayton aquifer, 12 wells in the Cretaceous aquifer system, 2 wells in Paleozoic-rock aquifers, and 14 wells in crystalline-rock aquifers. In this report, data from these 179 wells were evaluated to determine whether mean-annual ground-water levels were within, below, or above the normal range during 2004. This evaluation indicates that water levels during 2004 were mostly above normal in almost all aquifers monitored, largely reflecting climatic effects from the end of the drought and reduced pumping.

Reference Cited

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

Water Quality

Chemical and biological water-quality network data collection continued throughout the 2004 calendar year in cooperation with the Georgia Department of Natural Resources, Environmental Protection Division (GaEPD). All water-quality data collection was in accordance with the data-quality objectives set forth in the Quality Assurance Project Plan for river basin monitoring per the GaEPD River-Basin Management Plan (RBMP). The RBMP was in its ninth year of implementation during 2004. For the statewide network of USGS-GaEPD water-quality stations, data were collected as many as 20 times at each of the 147 stations statewide with emphasis on collecting data at stations in the "Middle Georgia 3" RBMP basin-of-focus,

which is comprised of the Oconee, Ocmulgee, and Altamaha River Basins. Major ion and nutrient samples were collected once monthly at each of 83 stations, which included 34 long-term statewide monitoring stations, or "core" stations, and 16 lake-standards stations that are sampled each year. Five core stations and four lake-standards stations were located in the 2004 RBMP basin-of-focus. Additionally, fecal coliform samples were collected at all of the 147 stations sampled during 2004, such that four samples were collected in a 30-day period once quarterly. Two trace-metal samples were collected at 33 stations in the RBMP basin-of-focus, one during high-flow conditions and one during low-flow conditions. This report contains data collected during the 2004 calendar year for the USGS-GaEPD network and other data collected, in cooperation with the GaEPD, to support of water-resources planning and management. These data also are supplemented by data from other USGS water-quality programs such as National Water-Quality Assessment (NAWQA). Large parts of the Georgia–Florida Coastal Plain and Apalachicola–Chattahoochee–Flint River Basin NAWQA study units are located in Georgia.

Water Use in Georgia

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

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

Reported off-stream withdrawal for thermoelectric-power, public-supply, and industrial and commercial water-use categories totaled about 4,085 million gallons per day (Mgal/d) during 2004. Eighteen thermoelectric-power plants, the largest water users in Georgia, withdrew about 2,278 Mgal/d during 2004, a continual decline since 2000. During 2000, during the height of the drought, greater demands were placed on thermoelectric power, therefore requiring larger water withdrawals. During the last few years, one thermoelectric-power plant has closed and at least two other plants have greatly reduced their water withdrawals. Permitted withdrawals by public-supply systems totaled about 1,210 Mgal/d, of which about 81 percent were from surface-water sources. Permitted withdrawals by industrial and commercial users totaled about 596 Mgal/d.

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material (See "Bed material")

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Horizontal datum (See "Datum")

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Classification	Size (mm)	Method of analysis
Clay	>0.00024 - 0.004	Sedimentation
Silt	>0.004 - 0.062	Sedimentation
Sand	>0.062 - 2.0	Sedimentation/sieve
Gravel	>2.0 - 64.0	Sieve
Cobble	>64 - 25	Manual measurement
Boulder	>256	Manual measurement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Return period (See "Recurrence interval")

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Stage (See "Gage height")

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Vertical datum (See "Datum")

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

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

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

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

Watershed (See "drainage basin")

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

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

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

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

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

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

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

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

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

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

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

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

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

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

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

Section E. Subsurface Geophysical Methods

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

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

Section F. Drilling and Sampling Methods

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

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Section B. Ground-Water Techniques

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

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

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

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

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

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

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

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

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

Section C. Sedimentation and Erosion Techniques

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

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

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

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

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

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

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

Section B. Surface Water

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

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

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

Section D. Interrelated Phases of the Hydrologic Cycle

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

Book 5. Laboratory Analysis

Section A. Water Analysis

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

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

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

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

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

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

Section C. Sediment Analysis

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

Book 6. Modeling Techniques

Section A. Ground Water

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

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

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

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

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

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

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

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

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

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

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

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

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

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

Section B. Instruments for Measurement of Discharge

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

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

Book 9. Handbooks for Water-Resources Investigations

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

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

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

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

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

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

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

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

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

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

Surface-Water Data (Water Year)
by Major Basin

2004 Water Year

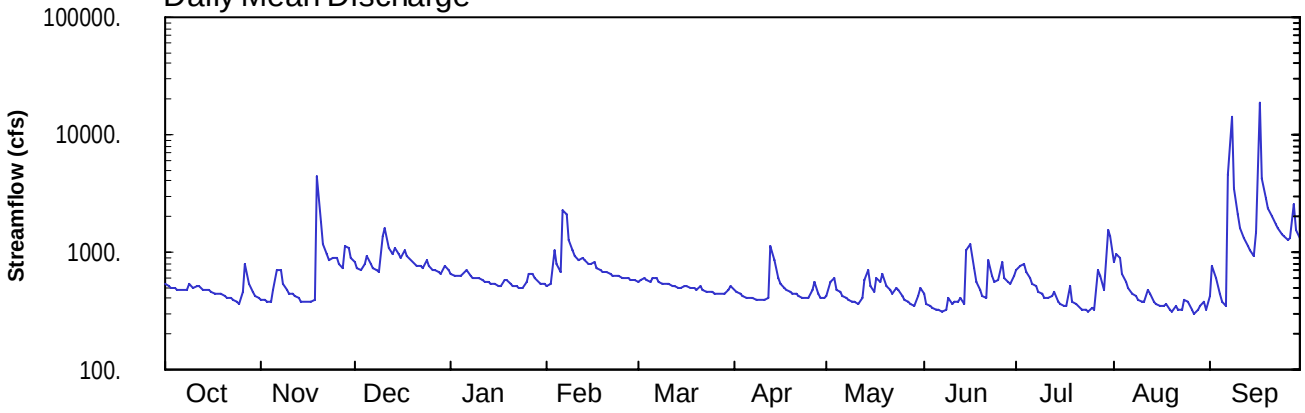
SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

Latitude: 34°48'50" Longitude: 083°18'22" Hydrologic Unit Code: 03060102

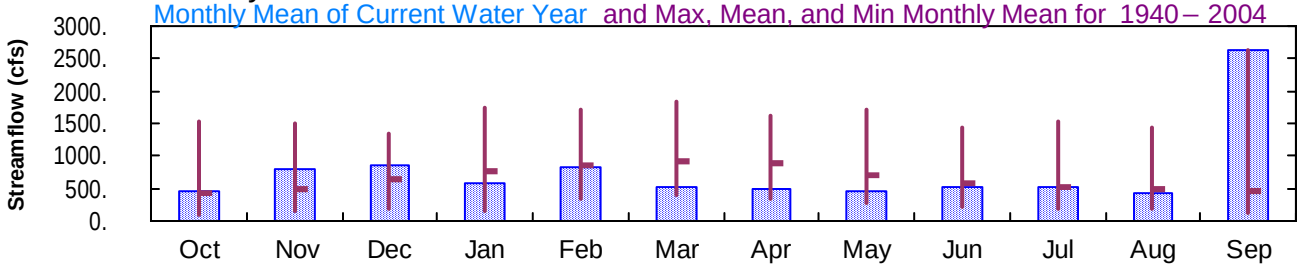
Oconee County Datum: 1165.6 feet Drainage Area: 207. mi²

Daily Mean Discharge

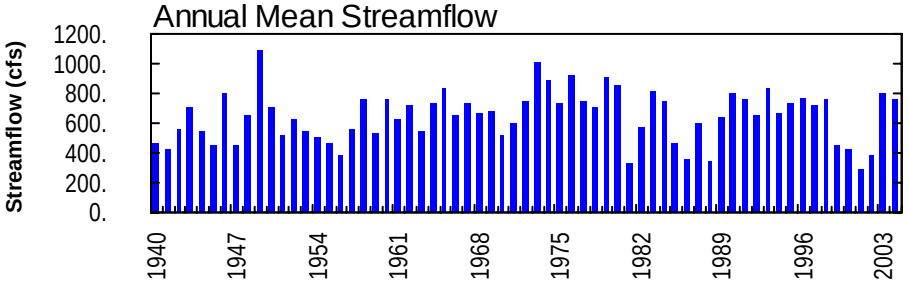


Monthly Statistics

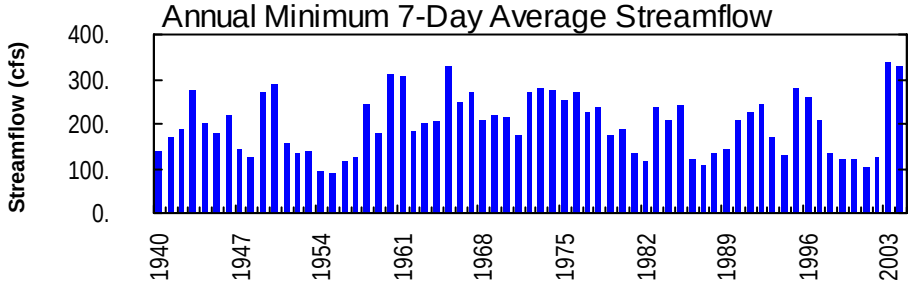
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1940 – 2004



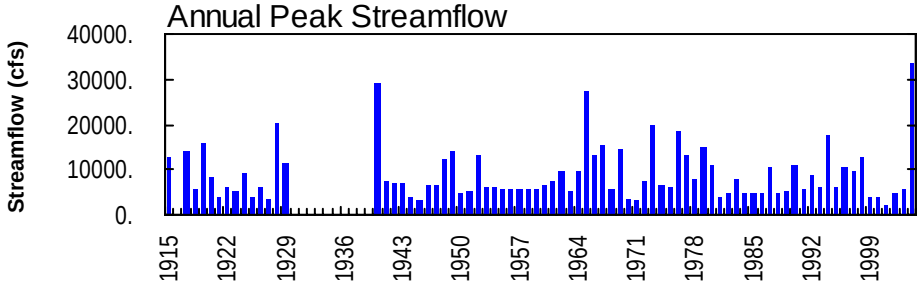
Annual Mean Streamflow

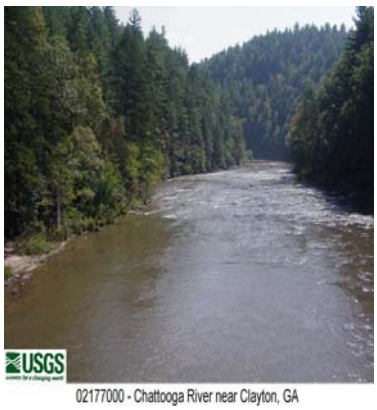


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02177000 - Chattooga River near Clayton, GA

SAVANNAH RIVER BASIN
2004 Water Year

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

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

DRAINAGE AREA.—207 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.—Records good. Periods of monthly discharge only are not included in statistics computations.

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

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	1000	9,890	6.53
02/06	1915	4,830	4.73
09/08	0145	22,500	9.21
09/17	0545	33,300*	11.21*

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA—continued.

WATER-STAGE RECORDS

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

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

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

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.21 feet, September 17; minimum gage-height recorded, 1.35 feet, July 24, 25.

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

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	533	396	809	657	509	563	475	420	438	699	820	418
2	517	387	743	638	527	574	450	555	367	764	979	761
3	500	378	699	628	1020	599	437	605	343	782	894	603
4	491	373	784	615	783	573	424	483	333	680	647	436
5	484	472	911	651	683	562	413	451	323	610	547	379
6	476	712	791	708	2230	594	406	431	317	532	504	345
7	468	712	738	624	2080	598	404	409	315	507	446	4540
8	480	540	699	608	1260	559	399	397	328	461	420	14000
9	533	481	674	606	1040	544	396	380	412	438	395	3480
10	499	448	1380	593	929	542	386	379	356	415	381	2110
11	505	434	1600	573	855	528	386	369	373	412	374	1600
12	512	422	1100	564	885	517	405	409	376	422	472	1340
13	484	405	948	556	853	507	1120	578	411	454	444	1150
14	472	383	1060	546	790	498	853	700	360	384	379	1030
15	476	379	970	539	793	499	609	513	1040	363	356	935
16	452	376	880	523	808	522	539	457	1190	343	342	1480
17	446	378	1040	517	743	508	502	599	719	342	354	18500
18	441	386	933	586	713	491	479	566	558	515	363	4270
19	432	4460	863	573	689	487	460	643	481	380	323	2860
20	420	1790	811	531	672	474	448	524	429	364	310	2320
21	411	1190	769	518	663	505	436	475	411	339	347	1990
22	403	969	747	509	633	469	423	446	858	324	318	1740
23	389	853	728	500	620	458	414	487	635	321	318	1570
24	379	891	853	491	617	455	408	474	562	308	392	1440
25	360	907	767	559	603	450	400	425	572	341	377	1350
26	454	783	717	646	593	447	476	398	810	318	323	1250
27	788	743	694	640	596	444	551	382	602	698	296	1310
28	527	1140	676	600	586	440	434	365	560	634	320	2530
29	458	1090	664	560	571	435	410	355	533	476	351	1540
30	424	890	747	544	---	485	406	429	622	1530	370	1300
31	407	---	694	527	---	522	---	486	---	1370	328	---
TOTAL	14621	23768	26489	17930	24344	15849	14349	14590	15634	16526	13490	78577
MEAN	472	792	854	578	839	511	478	471	521	533	435	2619
MAX	788	4460	1600	708	2230	599	1120	700	1190	1530	979	18500
MIN	360	373	664	491	509	435	386	355	315	308	296	345
CFSM	2.28	3.83	4.13	2.79	4.06	2.47	2.31	2.27	2.52	2.58	2.10	12.7
IN.	2.63	4.27	4.76	3.22	4.37	2.85	2.58	2.62	2.81	2.97	2.42	14.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	434	505	647	765	861	933	881	716	592	506	481	468
MAX	1524	1509	1358	1747	1728	1829	1633	1725	1439	1542	1453	2619
(WY)	1965	1980	1962	1946	1990	1979	1964	1976	1976	1949	1940	2004
MIN	98.6	155	183	155	347	387	349	261	210	180	169	118
(WY)	1955	1955	1956	1956	1941	1988	1986	2001	1988	1986	2002	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	299868		276167			
ANNUAL MEAN	822		755		648	
HIGHEST ANNUAL MEAN					1098	1949
LOWEST ANNUAL MEAN					298	2001
HIGHEST DAILY MEAN	4460	Nov 19	18500	Sep 17	18500	Sep 17 2004
LOWEST DAILY MEAN	360	Oct 25	296	Aug 27	88	Oct 8 1954
ANNUAL SEVEN-DAY MINIMUM	390	Nov 12	331	Jul 20	90	Oct 7 1954
MAXIMUM PEAK FLOW			33300	Sep 17	33300	Sep 17 2004
MAXIMUM PEAK STAGE			11.21	Sep 17	13.80	Aug 30 1940 a
INSTANTANEOUS LOW FLOW			293	Aug 27	88	Oct 8 1954
ANNUAL RUNOFF (CFSM)	3.97		3.65		3.13	
ANNUAL RUNOFF (INCHES)	53.89		49.63		42.53	
10 PERCENT EXCEEDS	1120		1090		1150	
50 PERCENT EXCEEDS	752		522		524	
90 PERCENT EXCEEDS	476		366		225	

a Maximum stage recorded Aug 30 1940

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	1.56	2.00	1.84	1.66	1.72	1.61	1.53	1.56	1.88	2.05	1.58
2	1.74	1.55	1.93	1.81	1.68	1.74	1.57	1.71	1.45	1.95	2.21	1.94
3	1.71	1.54	1.88	1.80	2.20	1.77	1.56	1.77	1.41	1.97	2.13	1.83
4	1.70	1.53	1.97	1.79	1.97	1.74	1.54	1.62	1.40	1.86	1.88	1.61
5	1.69	1.67	2.10	1.83	1.87	1.72	1.52	1.57	1.38	1.78	1.76	1.53
6	1.68	1.95	1.98	1.89	3.03	1.76	1.51	1.55	1.37	1.69	1.71	1.48
7	1.67	1.95	1.93	1.80	3.04	1.77	1.51	1.51	1.37	1.65	1.63	3.55
8	1.68	1.76	1.88	1.78	2.41	1.72	1.50	1.50	1.39	1.59	1.59	7.35
9	1.76	1.69	1.86	1.78	2.22	1.70	1.50	1.47	1.52	1.56	1.55	3.98
10	1.71	1.64	2.45	1.76	2.12	1.70	1.48	1.47	1.43	1.52	1.53	3.09
11	1.72	1.62	2.68	1.74	2.05	1.68	1.48	1.45	1.46	1.52	1.52	2.71
12	1.73	1.60	2.27	1.72	2.08	1.67	1.51	1.51	1.46	1.53	1.66	2.50
13	1.69	1.58	2.14	1.72	2.04	1.65	2.24	1.73	1.52	1.58	1.62	2.35
14	1.67	1.55	2.24	1.70	1.98	1.64	2.04	1.88	1.44	1.48	1.53	2.25
15	1.68	1.54	2.16	1.69	1.98	1.64	1.78	1.66	2.17	1.44	1.49	2.17
16	1.65	1.54	2.07	1.67	2.00	1.67	1.69	1.58	2.34	1.41	1.47	2.54
17	1.64	1.54	2.22	1.66	1.93	1.65	1.64	1.76	1.90	1.41	1.49	8.27
18	1.63	1.55	2.12	1.75	1.90	1.63	1.61	1.73	1.72	1.66	1.50	4.43
19	1.62	4.27	2.05	1.74	1.87	1.63	1.59	1.82	1.62	1.47	1.44	3.61
20	1.60	2.83	2.00	1.68	1.85	1.61	1.57	1.67	1.54	1.45	1.42	3.24
21	1.59	2.34	1.96	1.67	1.84	1.65	1.55	1.61	1.52	1.41	1.48	2.99
22	1.58	2.15	1.94	1.66	1.81	1.60	1.53	1.57	2.04	1.38	1.43	2.81
23	1.55	2.04	1.91	1.64	1.79	1.58	1.52	1.62	1.81	1.38	1.43	2.68
24	1.54	2.08	2.04	1.63	1.79	1.58	1.51	1.61	1.72	1.36	1.55	2.58
25	1.51	2.09	1.96	1.72	1.77	1.57	1.50	1.54	1.73	1.41	1.53	2.50
26	1.64	1.97	1.90	1.82	1.76	1.57	1.60	1.50	2.00	1.37	1.44	2.43
27	2.03	1.93	1.88	1.82	1.76	1.56	1.71	1.47	1.77	1.84	1.39	2.48
28	1.75	2.29	1.86	1.77	1.75	1.56	1.55	1.45	1.72	1.80	1.44	3.37
29	1.65	2.26	1.84	1.72	1.73	1.55	1.52	1.43	1.69	1.61	1.49	2.66
30	1.61	2.08	1.93	1.70	---	1.62	1.51	1.54	1.79	2.61	1.52	2.47
31	1.58	---	1.88	1.68	---	1.67	---	1.62	---	2.50	1.45	---
MEAN	1.67	1.92	2.03	1.74	2.00	1.66	1.60	1.60	1.64	1.65	1.59	2.97
MAX	2.03	4.27	2.68	1.89	3.04	1.77	2.24	1.88	2.34	2.61	2.21	8.27
MIN	1.51	1.53	1.84	1.63	1.66	1.55	1.48	1.43	1.37	1.36	1.39	1.48

2004 Water Year

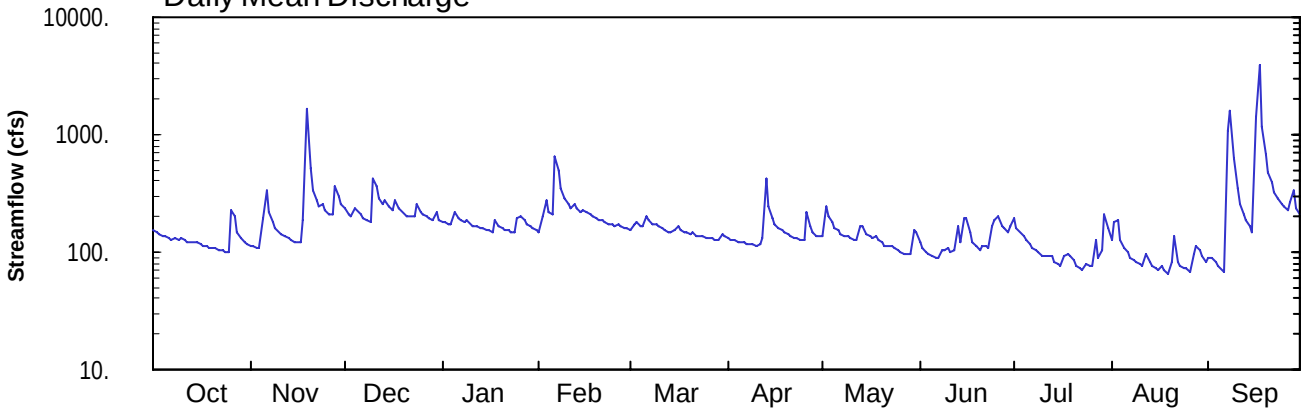
SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA

Latitude: 34°53'25" Longitude: 083°31'50" Hydrologic Unit Code: 03060102

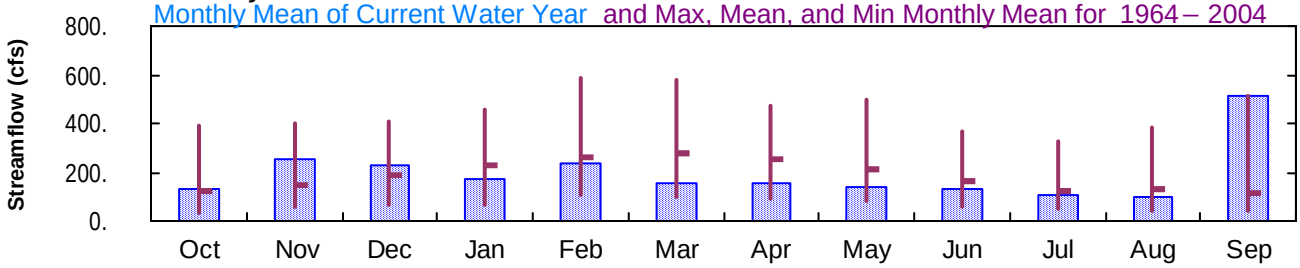
Rabun County Datum: 1868.93 feet Drainage Area: 56.5 mi²

Daily Mean Discharge

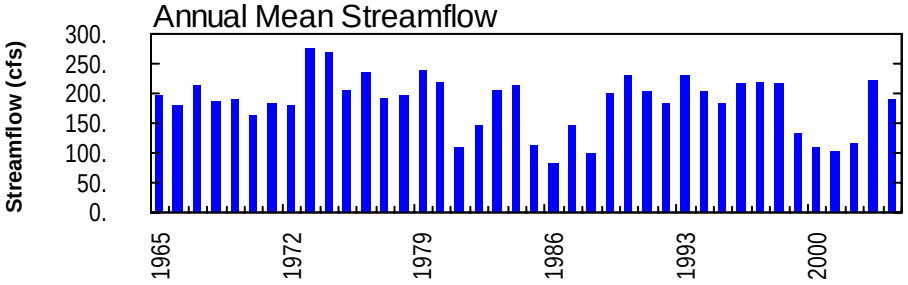


Monthly Statistics

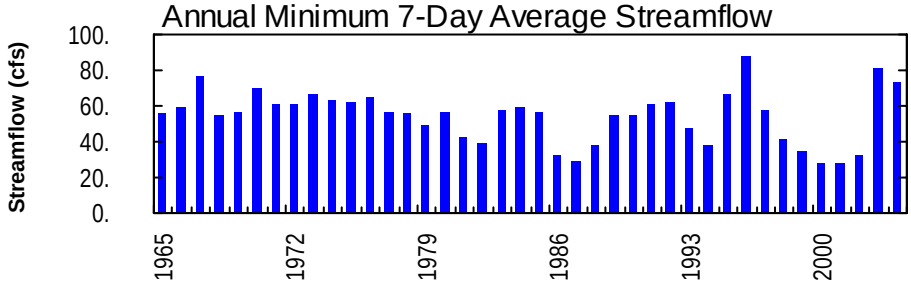
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1964 – 2004



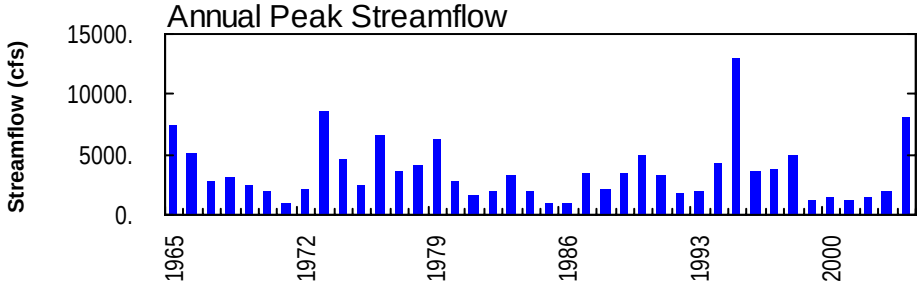
Annual Mean Streamflow

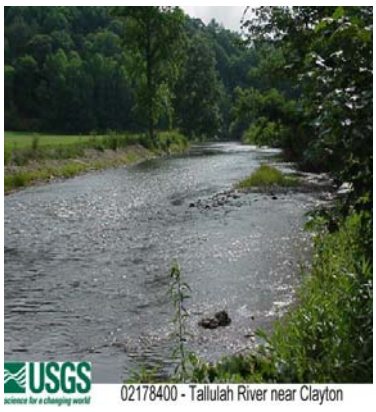


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





SAVANNAH RIVER BASIN
2004 Water Year

02178400 TALLULAH RIVER NEAR CLAYTON, GA

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

DRAINAGE AREA.—56.5 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1964 to current year.

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

REMARKS.—Records good. Low streamflows affected by releases from private reservoirs upstream.

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

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
11/19	0530	3,840	7.39
09/07	1930	2,690	6.30
09/16	2330	8,000*	10.59*

WATER-STAGE RECORDS

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

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

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.59 feet, September 16; minimum gage-height recorded, 1.89 feet, August 19, 20.

02178400 TALLULAH RIVER NEAR CLAYTON, GA—continued.

PRECIPITATION RECORDS

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

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	115	235	183	150	155	133	138	119	193	127	89
2	148	112	214	178	200	171	129	243	106	163	181	91
3	141	109	204	174	272	180	127	205	100	146	185	81
4	138	108	236	170	218	168	124	177	97	139	128	76
5	135	195	223	217	211	163	121	162	93	128	110	72
6	133	336	207	196	660	203	120	151	90	118	99	68
7	128	221	196	184	502	187	119	141	89	110	90	1070
8	129	180	188	181	346	176	117	135	102	103	85	1610
9	128	159	181	183	282	172	116	136	102	98	81	626
10	131	149	416	174	256	166	115	130	106	94	78	352
11	129	142	359	167	235	159	116	124	101	91	76	260
12	123	136	283	164	258	154	131	127	104	93	97	212
13	120	132	256	161	232	150	421	169	168	92	82	184
14	124	126	274	158	220	147	243	163	122	84	75	163
15	124	124	245	155	231	151	196	144	196	80	72	149
16	115	121	227	151	218	166	175	138	192	77	70	1410
17	113	120	273	150	207	153	161	133	145	92	76	3940
18	112	185	238	184	199	150	152	138	124	95	70	1180
19	109	1640	229	168	193	148	146	129	112	93	65	664
20	107	511	213	158	188	143	141	120	103	87	84	477
21	106	339	204	155	188	149	136	115	111	77	137	386
22	104	276	199	151	178	139	133	114	112	73	83	325
23	103	243	200	148	175	137	130	113	108	71	77	286
24	102	255	258	146	171	135	126	108	168	80	73	260
25	100	224	222	192	167	133	124	104	185	77	72	241
26	224	207	210	200	170	131	215	101	201	76	68	226
27	203	213	201	189	167	129	165	98	167	128	95	263
28	146	366	192	173	162	128	146	95	158	88	114	330
29	132	299	187	166	158	126	139	96	147	102	104	234
30	123	258	216	162	---	144	137	155	167	209	92	213
31	119	---	189	155	---	139	---	148	---	157	81	---
TOTAL	4002	7601	7175	5293	6814	4752	4554	4250	3895	3314	2927	15538
MEAN	129	253	231	171	235	153	152	137	130	107	94.4	518
MAX	224	1640	416	217	660	203	421	243	201	209	185	3940
MIN	100	108	181	146	150	126	115	95	89	71	65	68
CFSM	2.28	4.48	4.10	3.02	4.16	2.71	2.69	2.43	2.30	1.89	1.67	9.17
IN.	2.63	5.00	4.72	3.48	4.49	3.13	3.00	2.80	2.56	2.18	1.93	10.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	119	149	190	232	263	280	253	211	163	126	129	118
MAX	394	398	405	456	588	579	473	495	364	328	380	518
(WY)	1965	1993	1993	1974	1990	1979	1979	1976	1989	1989	1967	2004
MIN	30.6	58.9	64.9	62.8	106	100	87.8	83.5	56.5	45.5	38.1	43.1
(WY)	2001	1982	1966	1981	1986	1988	1986	2001	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	85778		70115			
ANNUAL MEAN	235		192		186	
HIGHEST ANNUAL MEAN					275	1973
LOWEST ANNUAL MEAN					82.9	1986
HIGHEST DAILY MEAN	1640	Nov 19	3940	Sep 17	3940	Sep 17 2004
LOWEST DAILY MEAN	100	Oct 25	65	Aug 19	26	Sep 16 2000
ANNUAL SEVEN-DAY MINIMUM	104	Oct 19	73	Aug 13	27	Sep 13 2000
MAXIMUM PEAK FLOW			8000	Sep 16	8500	May 28 1973
MAXIMUM PEAK STAGE			10.59	Sep 16	12.00	May 28 1973
INSTANTANEOUS LOW FLOW			62	Aug 19	26	Sep 16 2000
ANNUAL RUNOFF (CFSM)	4.16		3.39		3.28	
ANNUAL RUNOFF (INCHES)	56.48		46.16		44.62	
10 PERCENT EXCEEDS	337		258		329	
50 PERCENT EXCEEDS	208		149		147	
90 PERCENT EXCEEDS	132		90		64	

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	2.21	2.70	2.51	2.38	2.40	2.30	2.32	2.23	2.55	2.27	2.07
2	2.37	2.19	2.62	2.49	2.54	2.46	2.28	2.71	2.16	2.43	2.48	2.08
3	2.34	2.18	2.59	2.47	2.81	2.50	2.27	2.59	2.13	2.36	2.51	2.02
4	2.32	2.17	2.70	2.46	2.64	2.45	2.25	2.49	2.11	2.33	2.27	1.98
5	2.31	2.53	2.65	2.63	2.61	2.43	2.24	2.43	2.09	2.27	2.19	1.96
6	2.30	3.00	2.60	2.56	3.61	2.58	2.24	2.38	2.07	2.23	2.12	1.93
7	2.28	2.65	2.56	2.51	3.40	2.52	2.23	2.34	2.07	2.18	2.07	3.92
8	2.28	2.50	2.53	2.50	3.03	2.48	2.22	2.31	2.14	2.15	2.04	5.09
9	2.28	2.42	2.50	2.51	2.85	2.47	2.22	2.31	2.14	2.12	2.02	3.64
10	2.29	2.37	3.13	2.47	2.76	2.44	2.21	2.28	2.16	2.09	2.00	3.04
11	2.28	2.34	3.06	2.45	2.69	2.42	2.21	2.26	2.14	2.08	1.99	2.77
12	2.25	2.32	2.85	2.44	2.77	2.40	2.29	2.27	2.15	2.09	2.11	2.61
13	2.24	2.30	2.76	2.42	2.69	2.38	3.18	2.45	2.44	2.08	2.03	2.51
14	2.25	2.27	2.82	2.41	2.64	2.36	2.72	2.43	2.25	2.03	1.98	2.43
15	2.25	2.25	2.73	2.40	2.68	2.38	2.56	2.35	2.55	2.01	1.96	2.37
16	2.21	2.24	2.67	2.38	2.64	2.44	2.48	2.32	2.54	1.99	1.95	4.02
17	2.20	2.23	2.81	2.38	2.60	2.39	2.42	2.30	2.35	2.07	1.98	7.41
18	2.19	2.41	2.70	2.51	2.57	2.38	2.39	2.32	2.25	2.10	1.95	4.53
19	2.18	5.03	2.68	2.45	2.55	2.37	2.36	2.28	2.19	2.09	1.91	3.72
20	2.17	3.42	2.62	2.41	2.53	2.34	2.34	2.24	2.15	2.05	2.01	3.35
21	2.16	3.01	2.58	2.40	2.53	2.37	2.32	2.21	2.19	1.99	2.29	3.13
22	2.15	2.83	2.57	2.38	2.49	2.33	2.30	2.20	2.19	1.97	2.03	2.97
23	2.14	2.72	2.57	2.37	2.48	2.32	2.28	2.20	2.17	1.95	1.99	2.86
24	2.14	2.76	2.77	2.36	2.47	2.31	2.27	2.17	2.45	2.00	1.97	2.77
25	2.13	2.66	2.65	2.54	2.45	2.30	2.26	2.15	2.50	1.99	1.96	2.72
26	2.58	2.60	2.61	2.57	2.46	2.29	2.62	2.13	2.57	1.98	1.93	2.66
27	2.58	2.62	2.57	2.53	2.45	2.28	2.44	2.12	2.45	2.26	2.06	2.76
28	2.36	3.07	2.54	2.47	2.43	2.28	2.36	2.10	2.41	2.06	2.20	2.97
29	2.29	2.90	2.52	2.45	2.41	2.27	2.33	2.11	2.36	2.13	2.15	2.69
30	2.25	2.77	2.63	2.43	---	2.35	2.32	2.37	2.44	2.58	2.08	2.62
31	2.23	---	2.53	2.40	---	2.33	---	2.36	---	2.40	2.02	---
MEAN	2.27	2.63	2.67	2.46	2.66	2.39	2.36	2.31	2.27	2.15	2.08	3.05
MAX	2.58	5.03	3.13	2.63	3.61	2.58	3.18	2.71	2.57	2.58	2.51	7.41
MIN	2.13	2.17	2.50	2.36	2.38	2.27	2.21	2.10	2.07	1.95	1.91	1.93

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

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

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.90	0.02	0.50
2	0.00	0.00	0.00	0.00	---	0.22	0.00	1.07	0.00	0.16	0.20	0.16
3	0.00	0.00	0.01	0.00	---	0.01	0.00	0.00	0.00	0.04	0.00	0.00
4	0.00	0.12	0.91	0.05	0.04	0.00	0.00	0.00	0.00	0.15	0.00	0.00
5	0.00	1.61	0.02	0.64	0.33	0.05	0.00	0.00	0.00	0.00	0.03	0.00
6	0.01	1.10	0.00	0.00	2.11	0.56	0.00	0.00	0.00	0.01	0.00	0.09
7	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.00	0.00	5.52
8	0.25	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.82
9	0.09	0.00	0.00	0.03	0.00	0.13	0.00	0.01	0.02	0.00	0.00	0.00
10	0.26	0.00	1.30	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00
11	0.18	0.00	0.00	0.00	0.01	0.00	0.14	0.00	0.00	0.00	0.15	0.00
12	0.00	0.01	0.00	0.00	0.53	0.00	0.91	0.00	0.00	0.23	0.63	0.00
13	0.00	0.00	0.38	0.00	0.00	0.00	1.58	0.27	0.10	0.00	0.00	0.00
14	0.06	0.00	0.21	0.00	0.02	0.00	0.00	0.01	0.18	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.54	0.05	0.00	0.00	1.55	0.00	0.00	0.00
16	0.00	0.00	0.28	0.00	0.00	0.20	0.00	0.06	0.08	0.00	0.00	7.67
17	0.00	0.01	0.50	0.18	0.00	0.00	0.00	0.00	0.00	0.01	0.19	1.74
18	0.00	2.00	0.08	0.30	0.00	0.03	0.00	0.59	0.00	0.00	0.00	0.00
19	0.00	2.46	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.30	0.00	0.00
20	0.00	0.00	0.00	0.00	0.02	0.21	0.00	0.00	0.00	0.00	1.19	0.00
21	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.45	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.13	0.00	0.00	0.00
23	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.22	0.32	0.02	0.00	0.00
24	0.00	0.80	0.06	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00
25	0.00	0.01	0.00	1.20	0.00	0.00	0.16	0.00	0.72	0.01	0.01	0.00
26	2.10	0.00	0.00	0.13	0.02	0.00	1.47	0.00	0.00	0.93	0.00	0.00
27	0.04	0.59	0.00	0.01	0.22	0.00	0.00	0.00	0.19	1.31	0.01	1.84
28	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.02	0.13	0.00	0.05	0.16
29	0.01	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.44	0.00
30	0.00	0.00	0.20	0.00	---	0.61	0.01	0.89	0.39	1.09	0.00	0.00
31	0.00	---	0.00	0.00	---	0.03	---	0.56	---	0.00	0.00	---
TOTAL	3.01	9.79	4.89	2.55	---	2.15	4.27	4.14	5.85	6.16	2.93	18.50

SAVANNAH RIVER BASIN
2004 Water Year

02178500 LAKE BURTON NEAR CLAYTON, GA

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

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

http://lakes.southernco.com/

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

02179500 LAKE RABUN (MATHIS) NEAR LAKEMONT, GA

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

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

http://lakes.southernco.com/

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

2004 Water Year

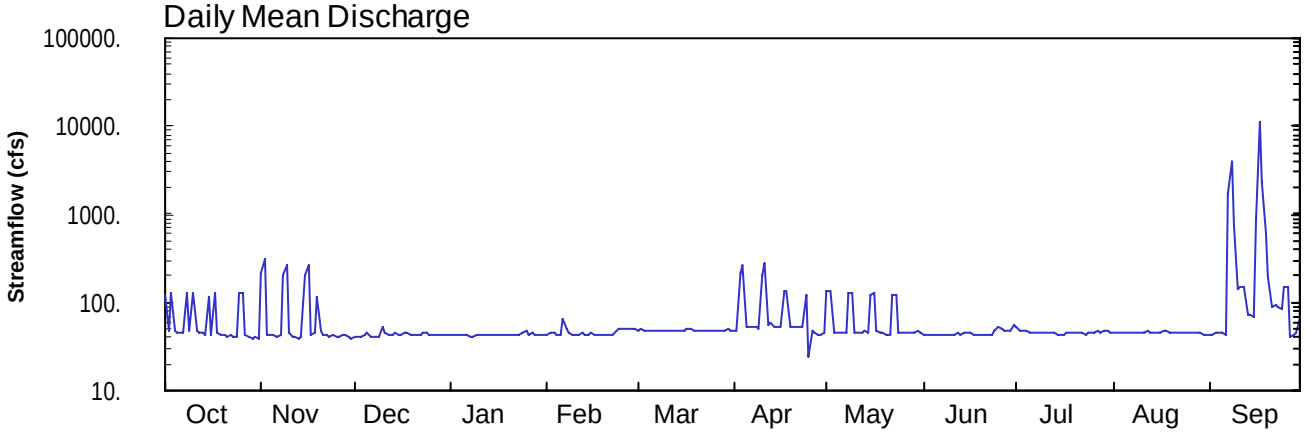
SAVANNAH RIVER BASIN

02181580 TALLULAH RIVER AB POWERHOUSE, NR TALLULAH FALLS,GA

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

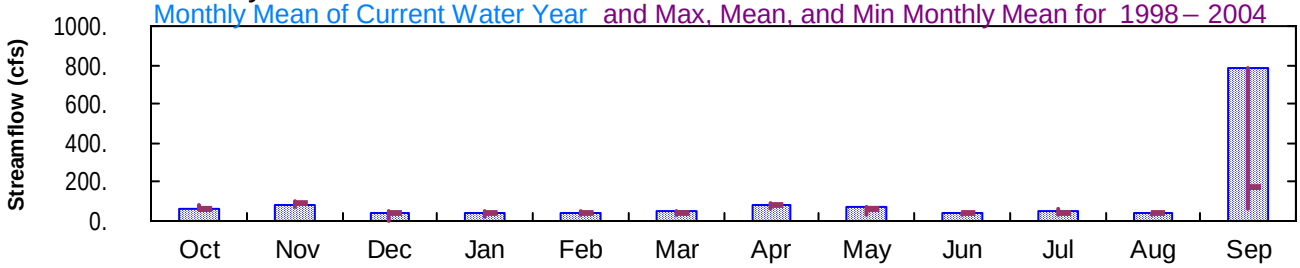
Rabun County Datum: 940.00 feet Drainage Area: 184. mi²

Daily Mean Discharge

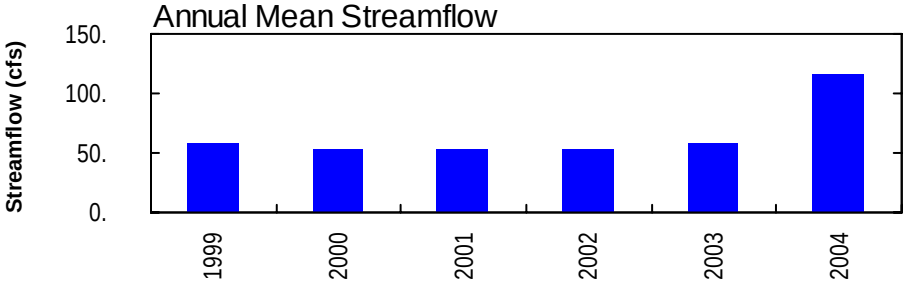


Monthly Statistics

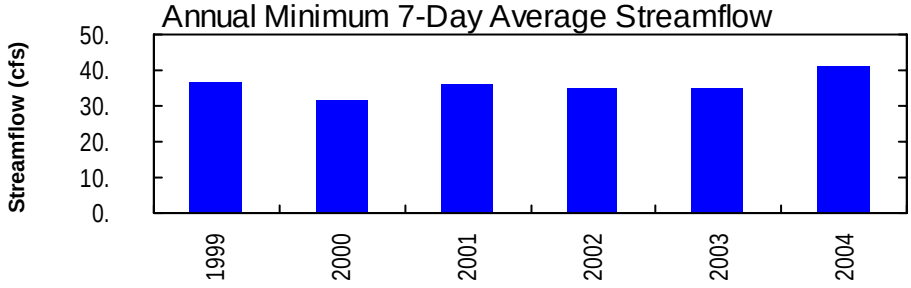
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1998 – 2004

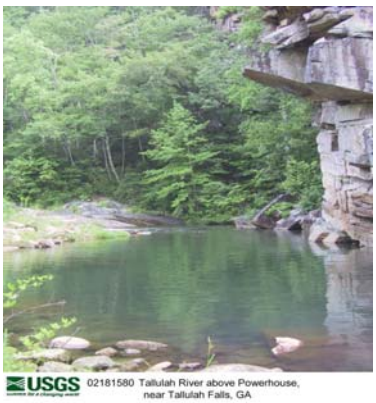


Annual Mean Streamflow

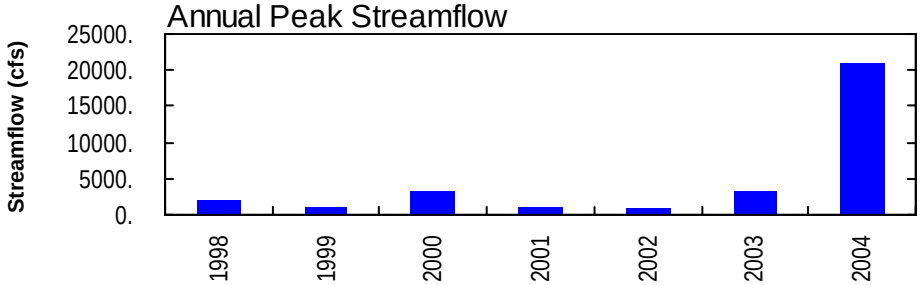


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



02181580 TALLULAH RIVER ABOVE POWERHOUSE, NEAR TALLULAH FALLS, GA

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

DRAINAGE AREA.—184 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

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

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

REMARKS.—Records fair. Streamflow is regulated by Tallulah Falls Dam.

WATER-STAGE RECORDS

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

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

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.91 feet, September 17; minimum gage-height recorded, 4.45 feet, April 25.

PRECIPITATION RECORDS

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

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	217	41	43	43	48	47	133	44	52	46	44
2	47	308	41	43	46	50	48	135	43	49	45	44
3	127	44	40	43	45	49	218	45	43	48	46	45
4	47	44	42	43	43	48	264	45	43	47	45	45
5	45	42	46	43	44	47	53	46	43	46	45	44
6	45	41	40	43	63	48	53	45	43	45	45	43
7	44	43	41	41	49	48	53	44	43	45	46	1740
8	128	205	40	41	44	47	53	127	43	46	45	3990
9	48	269	40	42	44	47	51	128	43	46	45	761
10	128	44	53	43	44	48	209	46	43	46	44	139
11	47	41	46	43	43	48	285	45	43	46	44	146
12	44	40	43	42	44	48	55	46	44	46	48	152
13	44	39	44	42	43	47	58	47	44	44	46	71
14	43	41	46	43	42	47	54	45	44	43	46	71
15	116	200	43	42	45	47	54	125	45	44	45	70
16	43	266	43	43	43	49	53	127	44	44	46	878
17	128	44	46	43	44	49	137	47	44	46	48	11400
18	45	46	44	43	43	49	137	44	43	46	47	2390
19	43	112	44	42	42	49	54	44	43	46	46	611
20	42	47	44	43	43	48	52	43	42	46	45	191
21	41	43	44	42	43	48	52	43	44	46	44	87
22	42	43	44	44	42	48	52	123	43	45	45	91
23	40	41	44	44	47	48	52	124	44	44	45	87
24	41	44	45	44	50	47	123	45	47	45	46	85
25	128	41	44	48	50	47	24	45	54	45	46	152
26	128	42	43	43	50	47	47	45	49	46	45	151
27	43	43	43	44	50	48	45	45	48	47	44	42
28	41	44	43	43	50	48	43	44	49	45	46	43
29	40	40	42	43	49	47	43	44	48	47	44	45
30	40	39	42	43	---	51	45	49	57	48	43	65
31	39	---	42	43	---	49	---	46	---	46	43	---
TOTAL	2001	2553	1343	1332	1328	1489	2514	2060	1350	1425	1404	23723
MEAN	64.5	85.1	43.3	43.0	45.8	48.0	83.8	66.5	45.0	46.0	45.3	791
MAX	128	308	53	48	63	51	285	135	57	52	48	11400
MIN	39	39	40	41	42	47	24	43	42	43	43	42
CFSM	0.35	0.46	0.23	0.23	0.25	0.26	0.45	0.36	0.24	0.25	0.25	4.29
IN.	0.40	0.52	0.27	0.27	0.27	0.30	0.51	0.42	0.27	0.29	0.28	4.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	65.4	87.8	37.9	39.9	41.7	42.6	81.2	59.5	39.1	42.8	39.2	173
MAX	76.7	103	50.1	48.6	48.2	48.0	92.5	71.1	45.0	58.8	45.3	791
(WY)	1999	1999	2001	2001	2001	2004	2000	1999	2004	2003	2004	2004
MIN	56.3	75.8	4.28	23.8	29.2	34.1	65.1	33.1	29.9	29.6	35.3	61.6
(WY)	2001	2002	1998	1998	1998	1998	1998	1998	1998	1998	2000	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	20810		42522			
ANNUAL MEAN	57.0		116		65.7	
HIGHEST ANNUAL MEAN					116	2004
LOWEST ANNUAL MEAN					53.3	2000
HIGHEST DAILY MEAN	519	Jul 2	11400	Sep 17	11400	Sep 17 2004
LOWEST DAILY MEAN	34	Jul 17	24	Apr 25	2.0	Dec 18 1997
ANNUAL SEVEN-DAY MINIMUM	35	Jul 15	41	Nov 28	2.1	Dec 15 1997
MAXIMUM PEAK FLOW			21000	Sep 17	21000	Sep 17 2004
MAXIMUM PEAK STAGE			14.91	Sep 17	14.91	Sep 17 2004
INSTANTANEOUS LOW FLOW			12	Apr 25	12	Apr 25 2004
ANNUAL RUNOFF (CFSM)	0.309		0.630		0.356	
ANNUAL RUNOFF (INCHES)	4.20		8.58		4.84	
10 PERCENT EXCEEDS	124		126		114	
50 PERCENT EXCEEDS	43		45		43	
90 PERCENT EXCEEDS	36		42		36	

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.77	5.90	5.14	5.16	5.16	5.23	5.22	5.79	5.18	5.27	5.21	5.18
2	5.24	6.07	5.14	5.16	5.20	5.25	5.23	5.81	5.17	5.24	5.19	5.18
3	5.77	5.18	5.13	5.16	5.19	5.24	5.95	5.19	5.17	5.23	5.20	5.19
4	5.24	5.17	5.16	5.17	5.17	5.23	6.06	5.20	5.17	5.22	5.20	5.20
5	5.22	5.16	5.18	5.17	5.18	5.22	5.30	5.20	5.16	5.21	5.20	5.19
6	5.21	5.14	5.13	5.17	5.39	5.23	5.29	5.19	5.16	5.19	5.20	5.16
7	5.20	5.17	5.14	5.14	5.24	5.23	5.29	5.18	5.16	5.19	5.20	7.65
8	5.77	5.88	5.13	5.15	5.18	5.22	5.29	5.76	5.17	5.20	5.20	10.29
9	5.25	6.01	5.13	5.16	5.18	5.22	5.26	5.77	5.17	5.20	5.19	7.25
10	5.78	5.18	5.29	5.17	5.18	5.23	5.93	5.21	5.17	5.21	5.19	5.73
11	5.23	5.14	5.20	5.17	5.17	5.23	6.10	5.20	5.17	5.20	5.19	5.95
12	5.21	5.13	5.17	5.16	5.18	5.23	5.31	5.21	5.18	5.20	5.23	5.97
13	5.20	5.12	5.18	5.16	5.16	5.22	5.35	5.21	5.17	5.18	5.20	5.48
14	5.19	5.14	5.20	5.17	5.16	5.22	5.30	5.20	5.19	5.17	5.20	5.48
15	5.71	5.86	5.17	5.16	5.19	5.22	5.30	5.75	5.20	5.18	5.20	5.47
16	5.19	6.01	5.17	5.16	5.17	5.24	5.30	5.77	5.19	5.18	5.20	6.34
17	5.77	5.18	5.21	5.17	5.17	5.24	5.83	5.21	5.18	5.20	5.22	12.66
18	5.21	5.20	5.18	5.17	5.16	5.25	5.84	5.18	5.17	5.20	5.22	8.85
19	5.19	5.63	5.18	5.16	5.15	5.24	5.30	5.18	5.17	5.21	5.21	7.35
20	5.18	5.22	5.18	5.16	5.17	5.23	5.28	5.17	5.16	5.21	5.19	6.12
21	5.16	5.16	5.18	5.16	5.17	5.24	5.28	5.17	5.18	5.21	5.19	5.62
22	5.17	5.16	5.18	5.18	5.16	5.23	5.28	5.74	5.17	5.19	5.19	5.65
23	5.15	5.14	5.18	5.18	5.22	5.23	5.28	5.75	5.18	5.18	5.20	5.62
24	5.16	5.18	5.19	5.18	5.26	5.22	5.67	5.19	5.22	5.19	5.21	5.60
25	5.76	5.15	5.18	5.23	5.26	5.22	4.72	5.19	5.29	5.20	5.21	5.97
26	5.77	5.15	5.16	5.17	5.26	5.22	5.22	5.19	5.25	5.21	5.19	5.97
27	5.18	5.16	5.16	5.18	5.26	5.23	5.19	5.19	5.23	5.21	5.18	5.09
28	5.16	5.18	5.17	5.17	5.25	5.23	5.17	5.19	5.24	5.20	5.21	5.16
29	5.14	5.13	5.16	5.17	5.24	5.22	5.17	5.18	5.23	5.21	5.18	5.19
30	5.15	5.12	5.16	5.17	---	5.26	5.20	5.23	5.33	5.23	5.17	5.42
31	5.13	---	5.16	5.17	---	5.24	---	5.21	---	5.20	5.17	---
MEAN	5.34	5.33	5.17	5.17	5.20	5.23	5.40	5.34	5.19	5.20	5.20	6.23
MAX	5.78	6.07	5.29	5.23	5.39	5.26	6.10	5.81	5.33	5.27	5.23	12.66
MIN	5.13	5.12	5.13	5.14	5.15	5.22	4.72	5.17	5.16	5.17	5.17	5.09

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

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

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.26	0.00	0.49
2	0.00	0.00	0.00	0.00	1.03	0.72	0.00	0.74	0.00	0.01	0.07	0.43
3	0.00	0.00	0.02	0.00	0.07	0.01	0.00	0.00	0.00	0.05	0.01	0.00
4	0.00	0.07	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00
5	0.00	0.27	0.00	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.02	0.00	0.00	1.90	0.27	0.00	0.00	0.00	0.01	0.00	0.11
7	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	9.66
8	0.92	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.24	0.00	0.00	1.17
9	0.12	0.00	0.00	0.11	0.00	0.04	0.00	0.09	0.35	0.00	0.00	0.00
10	0.07	0.00	1.88	0.02	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
11	0.11	0.00	0.00	0.00	0.01	0.00	0.06	0.10	0.00	0.00	0.00	0.00
12	0.00	0.02	0.00	0.00	0.53	0.00	0.38	0.04	0.46	0.04	1.14	0.00
13	0.00	0.00	0.48	0.00	0.00	0.00	0.83	0.44	0.05	0.00	0.00	0.00
14	0.02	0.00	0.31	0.00	0.07	0.00	0.00	0.00	0.73	0.10	0.00	0.00
15	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.56	0.00	0.00	0.00
16	0.00	0.02	0.19	0.00	0.00	0.21	0.00	0.01	0.09	0.00	0.00	5.64
17	0.00	0.06	0.38	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.58
18	0.00	1.89	0.03	0.22	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00
19	0.00	1.89	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.20	0.00
21	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.50	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.00	0.00	0.00
23	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.06	0.32	0.00	0.00	0.00
24	0.00	0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.94	0.18	0.40	0.00
25	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	2.09	0.01	0.00	0.00
26	1.39	0.00	0.00	0.13	0.26	0.00	0.63	0.00	0.00	0.40	0.00	0.00
27	0.01	0.40	0.00	0.19	0.03	0.00	0.00	0.00	0.31	0.01	0.00	3.11
28	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.42	0.08
29	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.08	0.00
30	0.00	0.00	0.11	0.00	---	1.04	0.03	1.31	1.22	0.65	0.03	0.00
31	0.00	---	0.00	0.00	---	0.01	---	0.83	---	0.01	0.00	---
TOTAL	2.64	5.59	4.63	2.27	4.84	2.51	1.93	3.85	8.30	2.09	2.91	22.27

SAVANNAH RIVER BASIN
2004 Water Year

02187250 HARTWELL LAKE NEAR HARTWELL, GA

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

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

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

SAVANNAH RIVER BASIN
2004 Water Year

02189004 RUSSELL LAKE NEAR CALHOUN FALLS, SC

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

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

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

2004 Water Year

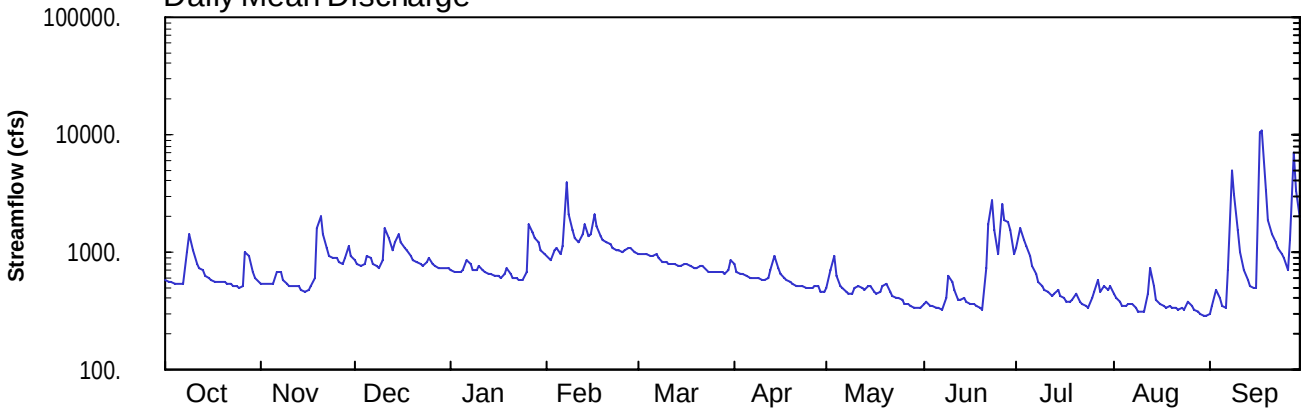
SAVANNAH RIVER BASIN

02191300 BROAD RIVER ABOVE CARLTON, GA

Latitude: 34°04'24" Longitude: 083°00'12" Hydrologic Unit Code: 03060104

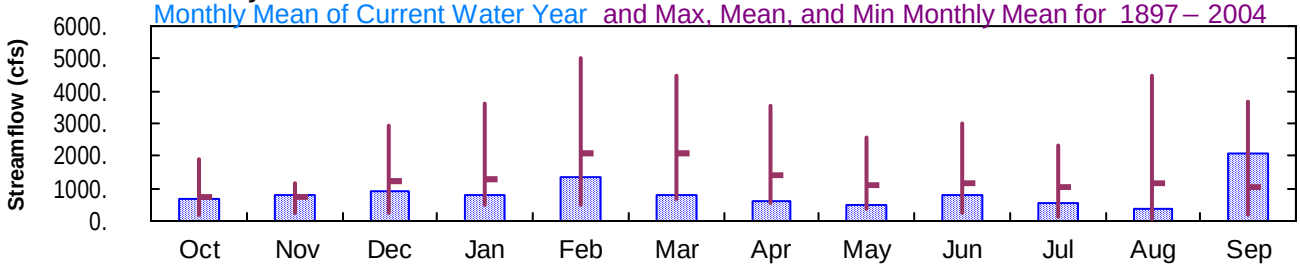
Madison County Datum: 404.55 feet Drainage Area: 760. mi^2

Daily Mean Discharge

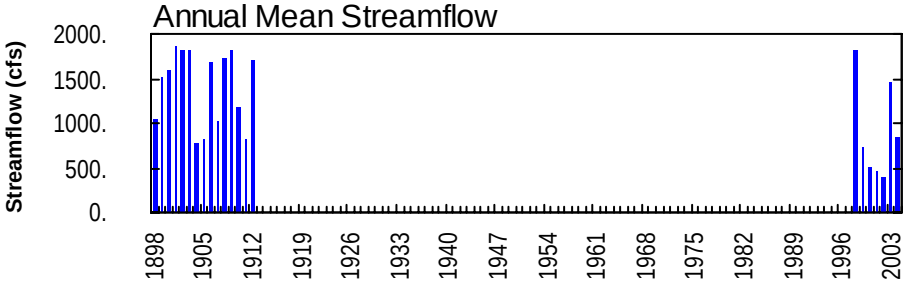


Monthly Statistics

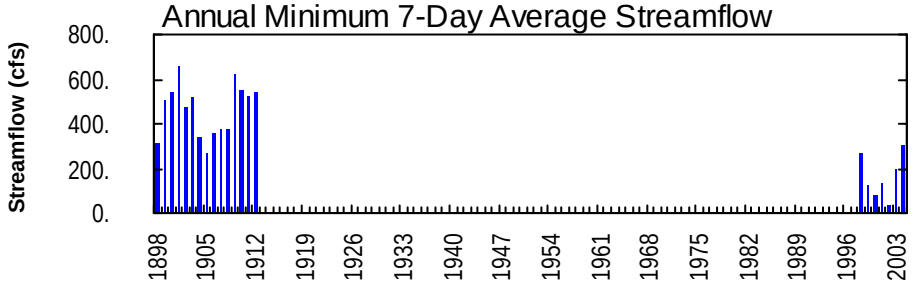
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1897 – 2004



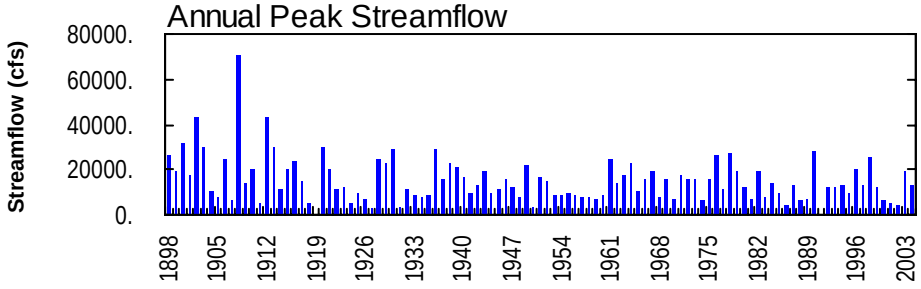
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



SAVANNAH RIVER BASIN
2004 Water Year

02191300 BROAD RIVER ABOVE CARLTON, GA

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

DRAINAGE AREA.—760 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.—Records poor.

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

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/18	0045	12,900*	16.84*

No other peaks above base discharge

02191300 BROAD RIVER ABOVE CARLTON, GA—continued.

WATER-STAGE RECORDS

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

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

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

REMARKS.—Records poor.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.84 feet, September 18; minimum gage-height recorded, 2.48 feet, June 7, 20.

PRECIPITATION RECORDS

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

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02191300 BROAD RIVER ABOVE CARLTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340424 LONGITUDE 0830012 NAD83 DRAINAGE AREA 760.00* CONTRIBUTING DRAINAGE AREA DATUM 404.55 NGVD29
Date Processed: 2005-06-02 12:35 By dlairson

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	577	545	843	704	912	966	776	492	362	1060	442	297
2	567	539	795	685	869	949	690	e700	371	1590	413	351
3	554	532	753	677	1060	946	653	941	350	1260	374	470
4	541	527	783	679	1070	954	639	633	349	1140	352	404
5	537	533	922	692	956	924	621	523	339	936	349	353
6	536	671	884	849	1130	919	607	486	329	747	357	330
7	543	690	800	796	3980	953	592	466	321	663	360	703
8	1000	587	758	694	2110	889	597	446	405	567	329	5010
9	1440	543	737	708	1560	832	600	434	633	518	313	3110
10	1020	512	845	753	1310	815	584	505	562	486	308	1530
11	804	505	e1600	703	1200	806	578	515	468	457	310	1010
12	739	510	e1300	664	1430	796	604	498	393	427	437	713
13	697	506	1040	654	1700	779	712	479	386	441	732	573
14	633	484	e1200	643	1390	762	941	508	406	478	506	522
15	604	465	e1400	631	1430	774	739	511	384	430	396	490
16	571	478	e1200	622	2070	787	643	467	368	405	370	494
17	558	509	1060	606	1680	795	598	441	362	384	350	10300
18	565	601	1020	661	1380	763	574	453	355	382	341	e11000
19	563	e1600	933	725	1260	746	554	519	333	390	342	3320
20	554	e2000	869	659	1190	738	534	537	320	445	335	1900
21	543	e1400	814	606	1150	750	525	450	741	377	330	1430
22	533	1060	781	592	1090	758	519	423	1740	357	328	1230
23	515	932	776	585	1040	707	508	409	2740	346	329	1090
24	507	873	828	574	1020	683	499	407	1510	334	321	974
25	499	906	877	687	1000	676	487	385	969	408	380	882
26	506	836	796	e1700	1020	675	487	366	2600	455	348	714
27	1020	776	754	e1500	1100	674	516	358	1840	569	317	1260
28	908	888	736	e1300	1090	676	505	345	1820	453	306	7170
29	681	1120	720	e1200	1010	656	464	338	1520	508	295	3380
30	599	940	728	1050	---	708	461	334	975	477	288	1970
31	565	---	724	972	---	858	---	340	---	511	292	---
TOTAL	20479	23068	28276	24571	39207	24714	17807	14709	24251	18001	11250	62980
MEAN	661	769	912	793	1352	797	594	474	808	581	363	2099
MAX	1440	2000	1600	1700	3980	966	941	941	2740	1590	732	11000
MIN	499	465	720	574	869	656	461	334	320	334	288	297
CFSM	0.87	1.01	1.20	1.04	1.78	1.05	0.78	0.62	1.06	0.76	0.48	2.76
IN.	1.00	1.13	1.38	1.20	1.92	1.21	0.87	0.72	1.19	0.88	0.55	3.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2004, BY WATER YEAR (WY)

MEAN	759	745	1202	1301	2062	2058	1429	1077	1163	1030	1136	1013
MAX	1919	1151	2959	3624	5010	4476	3573	2563	2996	2341	4488	3665
(WY)	1899	1998	1902	1906	1902	1902	1998	1998	1900	1906	1908	1898
MIN	179	232	269	520	508	687	556	379	229	141	73.5	176
(WY)	2002	2002	2002	2001	2001	1905	1905	2001	2002	2000	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1897 - 2004	
ANNUAL TOTAL	509806		309313			
ANNUAL MEAN	1397		845		1248	
HIGHEST ANNUAL MEAN					1860	1901
LOWEST ANNUAL MEAN					390	2002
HIGHEST DAILY MEAN	16800	Mar 21	e 11000	Sep 18	47200	Aug 25 1908
LOWEST DAILY MEAN	418	Sep 21	288	Aug 30	15	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	468	Sep 16	306	Aug 26	34	Sep 7 2002
MAXIMUM PEAK FLOW			12900	Sep 18	70000	Aug 25 1908
MAXIMUM PEAK STAGE			16.84	Sep 18	39.00	Aug 25 1908
INSTANTANEOUS LOW FLOW					14	Sep 13 2002
ANNUAL RUNOFF (CFSM)	1.84		1.11		1.64	
ANNUAL RUNOFF (INCHES)	24.95		15.14		22.31	
10 PERCENT EXCEEDS	2060		1380		2080	
50 PERCENT EXCEEDS	1170		648		805	
90 PERCENT EXCEEDS	557		353		340	

e Estimated

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.37	3.29	3.66	3.39	3.66	3.77	3.40	2.83	2.58	3.94	2.77	2.55
2	3.34	3.27	3.57	3.35	3.59	3.73	3.22	---	2.60	4.85	2.72	2.67
3	3.30	3.25	3.50	3.34	3.94	3.73	3.15	3.72	2.55	4.30	2.64	2.91
4	3.28	3.23	3.55	3.34	3.97	3.74	3.13	3.11	2.55	4.10	2.60	2.78
5	3.26	3.25	3.79	3.37	3.75	3.69	3.09	2.89	2.53	3.71	2.59	2.67
6	3.26	3.56	3.73	3.67	4.05	3.68	3.06	2.82	2.51	3.34	2.62	2.62
7	3.28	3.58	3.58	3.57	8.27	3.74	3.03	2.78	2.50	3.17	2.62	3.33
8	4.07	3.39	3.51	3.37	5.68	3.62	3.04	2.74	2.67	2.98	2.56	9.53
9	4.79	3.28	3.46	3.40	4.82	3.52	3.05	2.72	3.11	2.88	2.53	7.10
10	4.12	3.20	3.66	3.49	4.40	3.49	3.02	2.86	2.97	2.82	2.52	4.82
11	3.77	3.18	---	3.39	4.20	3.47	3.00	2.87	2.79	2.76	2.52	3.95
12	3.66	3.19	---	3.31	4.59	3.45	3.06	2.84	2.64	2.71	2.79	3.41
13	3.59	3.18	4.00	3.29	5.05	3.41	3.27	2.81	2.63	2.73	3.39	3.12
14	3.50	3.13	---	3.27	4.54	3.37	3.72	2.86	2.67	2.80	2.93	3.01
15	3.43	3.09	---	3.25	4.60	3.40	3.32	2.86	2.63	2.72	2.72	2.95
16	3.35	3.12	---	3.22	5.62	3.42	3.13	2.78	2.60	2.67	2.67	2.95
17	3.31	3.20	4.05	3.19	5.02	3.44	3.05	2.74	2.59	2.63	2.63	14.35
18	3.33	3.42	3.96	3.30	4.52	3.38	2.99	2.76	2.57	2.62	2.61	---
19	3.33	---	3.81	3.43	4.31	3.34	2.95	2.88	2.52	2.64	2.62	7.37
20	3.31	---	3.70	3.30	4.19	3.32	2.92	2.92	2.49	2.74	2.60	5.39
21	3.28	---	3.61	3.19	4.10	3.35	2.89	2.75	3.23	2.61	2.59	4.68
22	3.25	4.04	3.55	3.17	4.01	3.36	2.88	2.70	5.06	2.58	2.59	4.34
23	3.21	3.81	3.54	3.15	3.91	3.26	2.86	2.68	6.57	2.56	2.60	4.09
24	3.19	3.71	3.63	3.12	3.87	3.21	2.84	2.67	4.74	2.53	2.58	3.89
25	3.16	3.77	3.72	3.35	3.84	3.20	2.82	2.63	3.77	2.68	2.71	3.73
26	3.18	3.65	3.57	---	3.87	3.19	2.82	2.59	6.30	2.78	2.65	3.41
27	4.11	3.54	3.50	---	4.01	3.19	2.87	2.57	5.27	3.01	2.58	4.21
28	3.94	3.74	3.45	---	4.00	3.19	2.85	2.54	5.22	2.78	2.56	11.87
29	3.57	4.15	3.42	---	3.84	3.16	2.78	2.53	4.74	2.89	2.53	7.45
30	3.42	3.83	3.44	3.92	---	3.26	2.77	2.52	3.78	2.83	2.52	5.50
31	3.33	---	3.43	3.78	---	3.57	---	2.53	---	2.90	2.53	---
MEAN	3.49	---	---	---	4.42	3.44	3.03	---	3.38	3.01	2.65	---
MAX	4.79	---	---	---	8.27	3.77	3.72	---	6.57	4.85	3.39	---
MIN	3.16	---	---	---	3.59	3.16	2.77	---	2.49	2.53	2.52	---

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

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

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	---	---	---
2	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.75	0.00	---	---	---
3	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
4	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
5	0.00	---	0.00	0.54	0.01	0.00	0.00	0.00	0.00	---	---	---
6	0.16	---	0.00	0.00	0.97	0.08	0.00	0.00	0.00	---	---	---
7	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
8	1.88	0.00	0.00	0.02	0.00	0.00	0.02	0.00	---	---	---	---
9	0.01	0.00	0.00	0.24	0.00	0.00	0.00	0.28	---	---	---	---
10	0.01	0.00	0.79	0.00	0.00	0.00	0.00	0.00	---	---	---	---
11	0.03	0.00	0.00	0.00	0.06	0.00	0.00	0.39	---	---	---	---
12	0.00	0.00	0.00	0.00	0.94	0.00	0.05	0.40	---	---	---	---
13	0.00	0.00	0.35	0.00	0.00	0.00	0.55	0.00	---	---	---	---
14	0.15	0.00	0.14	0.00	0.54	0.00	0.00	0.00	---	---	---	---
15	0.00	0.00	0.01	0.00	0.24	0.00	0.00	0.00	---	---	---	---
16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	---	---	---	---
17	0.04	0.21	0.08	0.05	0.00	0.00	0.00	0.00	---	---	---	---
18	0.00	0.67	0.00	0.28	0.00	0.00	0.00	0.75	---	---	---	---
19	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
20	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	---	---	---	---
21	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	---	---	---	---
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	---	---	---	---
23	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	---	---	---	---
24	0.00	0.12	0.07	0.00	0.00	0.00	0.00	0.00	---	---	---	---
25	0.00	0.00	0.00	1.55	0.08	0.00	0.00	0.00	---	---	---	---
26	1.65	0.00	0.00	0.00	0.40	0.00	0.39	0.00	---	---	---	---
27	0.01	0.04	0.00	0.11	0.06	0.00	0.00	0.00	---	---	---	---
28	0.06	0.13	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
30	0.00	0.00	0.02	0.00	---	0.40	0.01	0.00	---	---	---	---
31	0.00	---	0.00	0.00	---	0.07	---	0.22	---	---	---	---
TOTAL	4.33	---	2.19	2.79	4.04	0.68	1.02	2.90	---	---	---	---

SAVANNAH RIVER BASIN
2004 Water Year

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

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

DRAINAGE AREA.—16.9 square miles.

COOPERATION.—U.S. Environmental Protection Agency.

LOW-WATER RATING RECORDS

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

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

RATING.—Rating Number 4.0, effective October 1, 2002 to current year.

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

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/02/03	20.24	7.70
12/02/03	20.34	9.91
02/05/04	20.40	12.9
04/08/04	20.27	10.8
07/12/04	20.16	5.73

02191600 DOUBLE BRANCH AT US 29, NEAR DANIELSVILLE, GA

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

DRAINAGE AREA.—4.8 square miles.

COOPERATION.—U.S. Environmental Protection Agency.

LOW-WATER RATING RECORDS

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

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

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

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

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/02/03	21.09	1.59
12/02/03	21.12	2.70
02/05/04	21.16	4.88
04/08/04	21.11	3.27
07/12/04	20.98	0.896

SAVANNAH RIVER BASIN
2004 Water Year

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

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

DRAINAGE AREA.—85.9 square miles.

COOPERATION.—U.S. Environmental Protection Agency.

LOW-WATER RATING RECORDS

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

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

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

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

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/14/03	34.77	46.3
12/02/03	34.94	54.9
02/05/04	35.10	80.2
04/09/04	34.74	58.5

SAVANNAH RIVER BASIN
2004 Water Year

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

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

DRAINAGE AREA.—16.9 square miles.

COOPERATION.—U.S. Environmental Protection Agency.

LOW-WATER RATING RECORDS

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

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

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

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

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/14/03	33.47	23.3
12/09/03	33.67	28.4
02/09/04	34.40	95.1
04/09/04	33.74	27.0
07/19/04	33.12	5.35
09/01/04	33.23	7.76

2004 Water Year

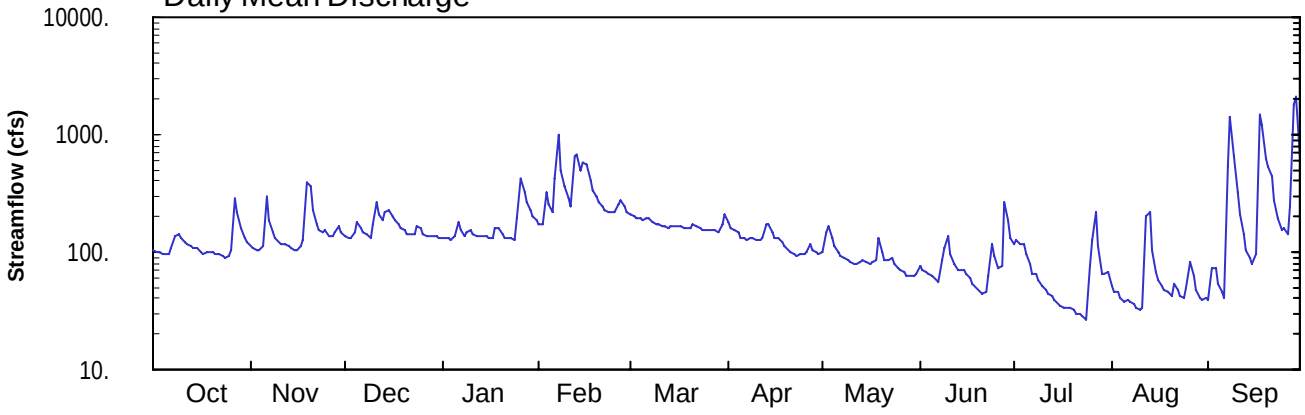
SAVANNAH RIVER BASIN

02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA

Latitude: 34°01'53" Longitude: 083°00'33" Hydrologic Unit Code: 03060104

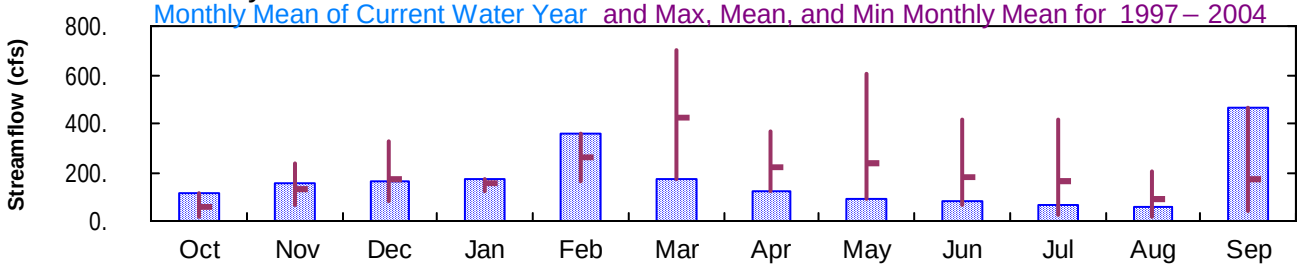
Madison County Datum: 460.00 feet Drainage Area: 224. mi²

Daily Mean Discharge

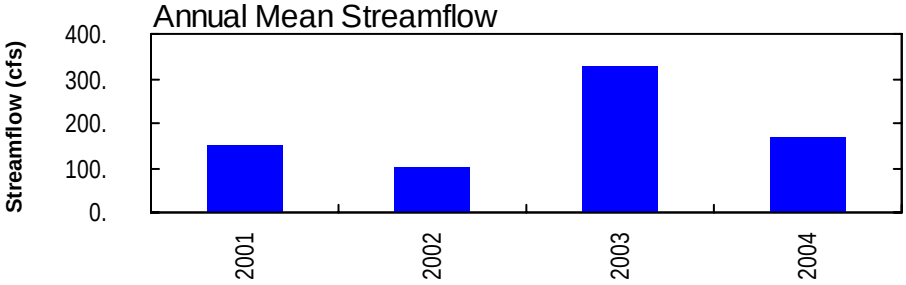


Monthly Statistics

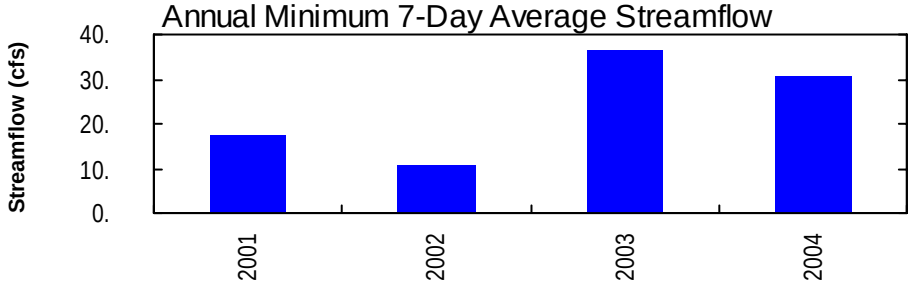
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1997 – 2004



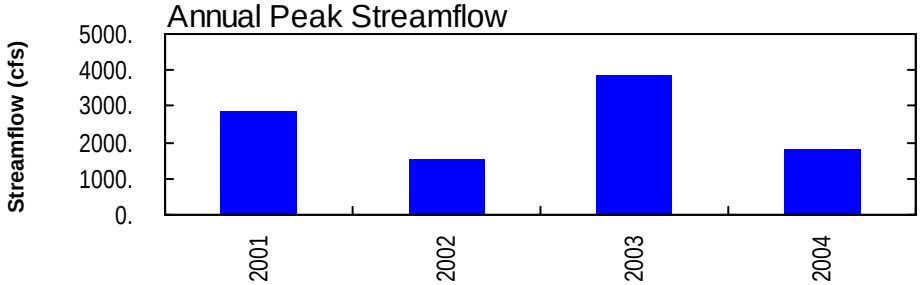
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

SAVANNAH RIVER BASIN
2003 Water Year

02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA

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

DRAINAGE AREA.—224 square miles, approximately.

COOPERATION.— U.S. Environmental Protection Agency.

WATER-DISCHARGE RECORDS

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

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

REMARKS.—Records poor.

WATER-STAGE RECORDS

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

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

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 3.53 feet, September 17, but may have been higher during period of missing record; minimum gage-height recorded, 1.51 feet, July 24, 25.

PRECIPITATION RECORDS

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

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340153 LONGITUDE 0830033 NAD27 DRAINAGE AREA 224.0* CONTRIBUTING DRAINAGE AREA DATUM 460.00 NGVD29
Date Processed: 2005-06-14 10:24 By bemccall
APPROVED
DD #2, DCP
Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	114	138	129	175	208	e178	101	76	116	51	39
2	99	109	131	130	172	201	e159	148	71	128	45	72
3	99	104	129	129	324	195	e153	165	68	118	45	74
4	96	104	148	129	259	193	e148	134	66	115	40	54
5	95	111	180	135	216	190	e131	113	63	98	37	46
6	97	303	161	180	425	196	e129	101	58	79	39	40
7	107	185	148	153	985	193	e127	93	56	66	e38	545
8	137	147	140	136	493	180	e130	89	86	66	e36	1410
9	145	130	132	150	357	174	e131	85	108	59	e34	642
10	129	122	172	155	286	171	127	83	134	52	33	327
11	121	117	268	141	250	169	124	80	95	47	33	207
12	118	116	210	135	661	165	134	81	78	45	198	144
13	112	112	183	138	675	163	171	82	69	42	220	106
14	108	108	221	138	492	164	175	86	70	39	102	88
15	107	105	231	137	585	164	146	83	72	37	69	78
16	100	106	199	133	550	167	133	80	65	34	58	95
17	98	112	190	130	411	166	e129	81	59	33	52	1500
18	101	125	175	158	338	161	e121	84	53	33	48	1190
19	100	394	163	162	294	162	e111	133	49	33	46	631
20	99	360	151	144	263	160	e106	100	45	32	43	529
21	95	225	143	134	249	173	e99	85	44	30	53	447
22	95	176	143	132	230	168	e96	87	47	29	48	276
23	91	155	143	129	220	159	e91	88	64	29	43	194
24	91	148	163	126	216	154	e96	80	115	27	41	154
25	91	152	158	193	215	154	e95	74	93	77	50	e160
26	102	139	144	423	252	153	e101	70	74	127	83	e141
27	288	136	139	324	272	153	e118	67	75	217	62	e245
28	216	145	139	269	244	153	105	63	270	111	47	e1800
29	160	164	135	225	222	150	98	62	190	66	41	e2100
30	133	149	138	204	---	172	96	62	133	64	39	e640
31	119	---	132	189	---	212	---	66	---	68	40	---
TOTAL	3651	4673	5047	5190	10331	5343	3758	2806	2546	2117	1814	13974
MEAN	118	156	163	167	356	172	125	90.5	84.9	68.3	58.5	466
MAX	288	394	268	423	985	212	178	165	270	217	220	2100
MIN	91	104	129	126	172	150	91	62	44	27	33	39
CFSM	0.53	0.70	0.73	0.75	1.59	0.77	0.56	0.40	0.38	0.30	0.26	2.08
IN.	0.61	0.78	0.84	0.86	1.72	0.89	0.62	0.47	0.42	0.35	0.30	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	57.7	129	174	154	260	421	224	235	181	166	90.1	171
MAX	118	234	326	174	356	702	364	608	415	417	206	466
(WY)	2004	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2004
MIN	19.6	61.5	79.3	120	161	172	125	90.5	62.0	28.1	13.1	40.9
(WY)	2001	2001	2002	2001	2001	2004	2004	2004	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	115095		61250			
ANNUAL MEAN	315		167		188	
HIGHEST ANNUAL MEAN					330	2003
LOWEST ANNUAL MEAN					104	2002
HIGHEST DAILY MEAN	3080	Mar 20	2100	Sep 29	3080	Mar 20 2003
LOWEST DAILY MEAN	81	Sep 21	27	Jul 24	9.2	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	87	Sep 16	30	Jul 18	11	Aug 11 2002
MAXIMUM PEAK FLOW					2870	Mar 15 2001
MAXIMUM PEAK STAGE					4.20	Mar 15 2001
ANNUAL RUNOFF (CFSM)	1.41		0.747		0.840	
ANNUAL RUNOFF (INCHES)	19.11		10.17		11.41	
10 PERCENT EXCEEDS	530		268		361	
50 PERCENT EXCEEDS	219		129		120	
90 PERCENT EXCEEDS	107		47		36	

e Estimated

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

STATION NUMBER 02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340153 LONGITUDE 0830033 NAD27 DRAINAGE AREA 224.0* CONTRIBUTING DRAINAGE AREA DATUM 460.00 NGVD29
Date Processed: 2005-06-14 10:24 By bemccall
APPROVED
DD #1, DCP
Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.88	1.91	1.96	1.94	2.03	2.08	---	1.88	1.82	1.91	1.72	1.65
2	1.88	1.90	1.94	1.94	2.02	2.07	---	1.97	1.80	1.94	1.69	1.79
3	1.88	1.89	1.94	1.94	2.23	2.06	---	2.01	1.79	1.92	1.69	1.81
4	1.87	1.89	1.98	1.94	2.15	2.06	---	1.95	1.78	1.91	1.66	1.74
5	1.87	1.90	2.03	1.95	2.09	2.05	---	1.91	1.78	1.87	1.64	1.69
6	1.87	2.20	2.00	2.03	2.30	2.06	---	1.88	1.76	1.83	1.65	1.66
7	1.89	2.04	1.98	1.99	2.87	2.05	---	1.86	1.75	1.79	---	2.35
8	1.95	1.97	1.96	1.95	2.43	2.03	---	1.85	1.83	1.78	---	3.21
9	1.97	1.94	1.94	1.98	2.27	2.02	---	1.84	1.89	1.76	---	2.57
10	1.94	1.93	2.02	1.99	2.18	2.02	1.94	1.84	1.95	1.73	1.60	2.23
11	1.92	1.92	2.16	1.96	2.14	2.01	1.93	1.83	1.87	1.71	1.60	2.07
12	1.92	1.91	2.08	1.95	2.56	2.01	1.95	1.83	1.82	1.69	1.98	1.97
13	1.91	1.91	2.04	1.96	2.60	2.00	2.02	1.83	1.80	1.67	2.09	1.89
14	1.90	1.90	2.10	1.96	2.43	2.00	2.02	1.84	1.80	1.65	1.88	1.85
15	1.89	1.89	2.11	1.95	2.53	2.00	1.97	1.84	1.80	1.63	1.79	1.82
16	1.88	1.89	2.06	1.95	2.49	2.01	1.95	1.83	1.78	1.61	1.76	1.86
17	1.87	1.90	2.05	1.94	2.34	2.01	---	1.83	1.76	1.60	1.73	3.27
18	1.88	1.93	2.02	1.99	2.25	2.00	---	1.84	1.73	1.60	1.71	3.03
19	1.88	2.29	2.00	2.00	2.19	2.00	---	1.95	1.72	1.60	1.70	2.57
20	1.87	2.27	1.98	1.97	2.16	2.00	---	1.88	1.69	1.59	1.68	2.47
21	1.87	2.10	1.97	1.95	2.14	2.02	---	1.84	1.68	1.57	1.73	2.38
22	1.87	2.03	1.97	1.95	2.11	2.01	---	1.84	1.70	1.56	1.71	2.17
23	1.86	1.99	1.97	1.94	2.10	2.00	---	1.85	1.77	1.55	1.68	2.05
24	1.86	1.98	2.00	1.93	2.09	1.99	---	1.83	1.91	1.53	1.67	1.99
25	1.86	1.98	1.99	2.04	2.09	1.99	---	1.81	1.86	1.70	1.71	---
26	1.88	1.96	1.97	2.35	2.14	1.99	---	1.80	1.81	1.93	1.84	---
27	2.18	1.95	1.96	2.23	2.17	1.98	---	1.79	1.81	2.08	1.77	---
28	2.09	1.97	1.96	2.16	2.13	1.98	1.89	1.78	2.15	1.90	1.70	---
29	2.00	2.01	1.95	2.10	2.10	1.98	1.87	1.77	2.05	1.78	1.67	---
30	1.95	1.98	1.96	2.07	---	2.02	1.87	1.77	1.95	1.78	1.65	---
31	1.92	---	1.95	2.05	---	2.08	---	1.78	---	1.79	1.66	---
MEAN	1.91	1.98	2.00	2.00	2.25	2.02	---	1.85	1.82	1.74	---	---
MAX	2.18	2.29	2.16	2.35	2.87	2.08	---	2.01	2.15	2.08	---	---
MIN	1.86	1.89	1.94	1.93	2.02	1.98	---	1.77	1.68	1.53	---	---

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

STATION NUMBER 02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340153 LONGITUDE 0830033 NAD27 DRAINAGE AREA 224.0* CONTRIBUTING DRAINAGE AREA DATUM 460.00 NGVD29
Date Processed: 2005-06-14 10:24 By bemccall
APPROVED
DD #3, DCP
Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	---	0.04	0.00	0.06	0.00	1.23
2	0.00	0.00	0.00	0.00	0.70	0.00	---	0.54	0.00	0.03	0.00	1.16
3	0.00	0.00	0.00	0.00	0.00	0.00	---	0.01	0.00	0.02	0.00	0.00
4	0.00	0.00	0.52	0.00	0.00	0.00	---	0.00	0.07	0.01	0.00	0.00
5	0.00	1.44	0.01	0.48	0.03	0.00	---	0.00	0.00	0.01	0.04	0.00
6	0.20	0.02	0.00	0.00	1.55	0.11	---	0.00	0.00	0.01	0.00	0.12
7	0.14	0.00	0.00	0.00	0.00	0.00	---	0.00	0.05	0.01	---	3.02
8	0.34	0.00	0.00	0.01	0.00	0.00	---	0.00	0.74	0.01	---	0.06
9	0.00	0.00	0.00	0.28	0.01	0.00	---	0.05	1.02	0.01	---	0.00
10	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.33	0.01	0.00	0.00
11	0.06	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.07	0.01	0.00	0.00
12	0.01	0.00	0.00	0.00	1.12	0.00	0.06	0.02	0.02	0.01	3.84	0.00
13	0.00	0.00	0.36	0.00	0.00	0.00	0.55	0.00	0.10	0.01	0.01	0.00
14	0.10	0.00	0.14	0.00	0.53	0.00	0.01	0.00	0.34	0.00	0.33	0.00
15	0.00	0.00	0.01	0.00	0.19	0.00	0.00	0.00	0.18	0.01	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.19	0.07	0.00	0.00	1.72
17	0.07	0.20	0.11	0.09	0.00	0.00	---	0.01	0.02	0.00	0.00	0.25
18	0.01	0.67	0.00	0.31	0.00	0.00	---	0.15	0.00	0.00	0.00	0.00
19	0.00	1.06	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.15	---	0.00	0.00	0.00	0.06	0.00
21	0.00	0.00	0.00	0.00	0.05	0.01	---	0.00	0.01	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	---	1.49	0.03	0.00	0.01	0.00
23	0.00	0.00	0.06	0.00	0.00	0.00	---	0.00	0.35	0.00	0.00	0.00
24	0.00	0.11	0.12	0.00	0.03	0.00	---	0.00	0.18	0.00	0.00	---
25	0.00	0.00	0.00	1.26	0.13	0.00	---	0.00	0.05	0.34	0.00	---
26	1.66	0.00	0.00	---	0.15	0.00	---	0.00	0.03	0.98	0.00	---
27	0.01	0.23	0.00	---	0.21	0.00	---	0.00	0.22	0.24	0.00	---
28	0.08	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.01	0.00	---
29	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.16	0.00	0.00	---
30	0.00	0.00	0.04	0.00	---	0.41	0.00	0.00	0.08	0.26	0.00	---
31	0.00	---	0.00	0.00	---	---	---	0.16	---	0.00	0.00	---
TOTAL	2.69	3.88	2.12	---	4.80	---	---	2.67	4.38	2.05	---	---

SAVANNAH RIVER BASIN
2004 Water Year

02191930 BUFFALO CREEK NEAR LEXINGTON, GA

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

DRAINAGE AREA.—5.60 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK DISCHARGE RECORDS

PERIOD OF RECORD.—1964 to current year.

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

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

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

MAXIMUM FOR CURRENT YEAR.—
STAGE: 2.54 feet, February 7
DISCHARGE: 110 cfs, February 7

2004 Water Year

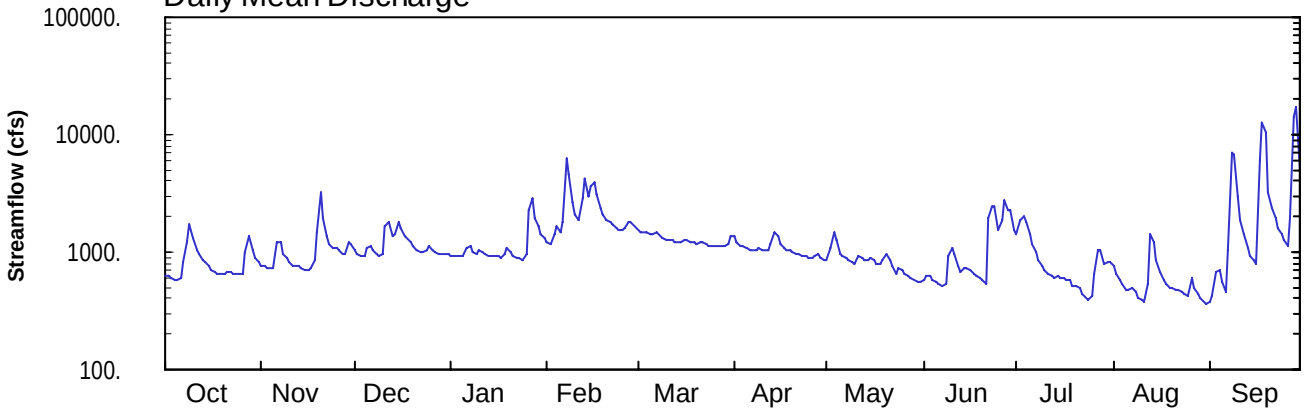
SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA

Latitude: 33°58'27" Longitude: 082°46'12" Hydrologic Unit Code: 03060104

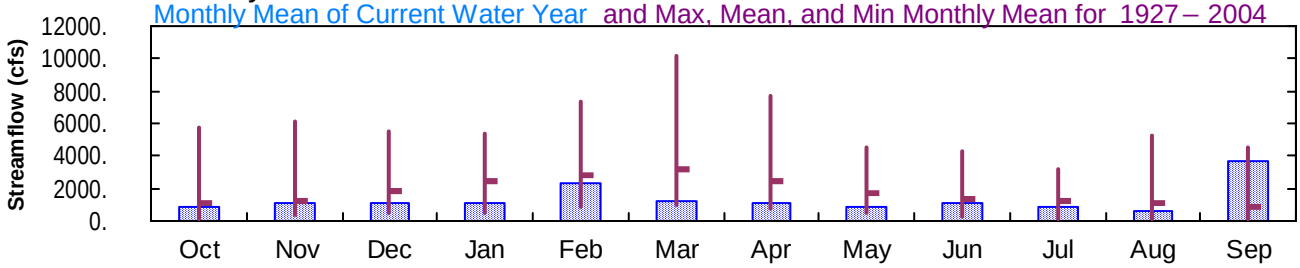
Elbert County Datum: 357.19 feet Drainage Area: 1430. mi²

Daily Mean Discharge

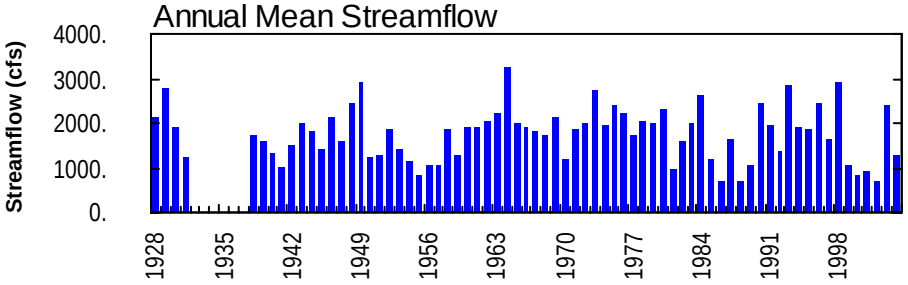


Monthly Statistics

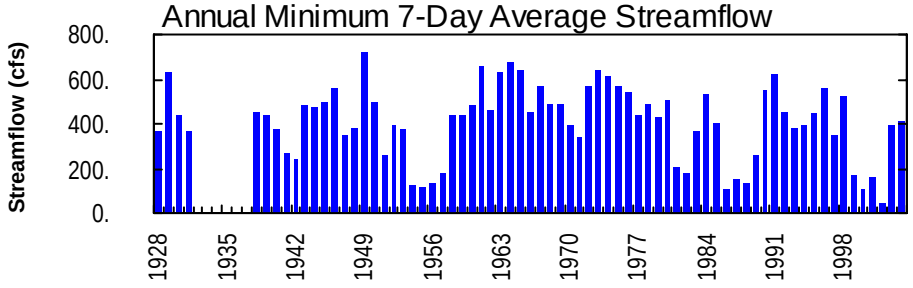
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1927 – 2004



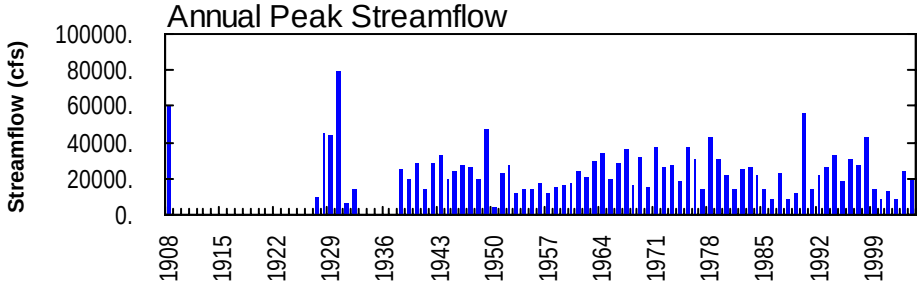
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



USGS 02192000 Broad River near Bell, GA

SAVANNAH RIVER BASIN
2004 Water Year

02192000 BROAD RIVER NEAR BELL, GA

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

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

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

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

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

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

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

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

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/18	2300	14,100	17.48
09/29	0100	20,000*	20.89*

02192000 BROAD RIVER NEAR BELL, GA—continued.

WATER-STAGE RECORDS

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

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

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 20.89 feet, September 29; minimum gage-height recorded, 3.46 feet, August 31, September 1.

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

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e625	768	1030	936	1220	1520	1350	871	570	1400	753	383
2	e620	750	967	914	1150	1490	1210	1080	618	1890	642	423
3	e598	740	925	910	1440	1460	1140	1480	627	2010	590	668
4	e589	738	930	915	1650	1460	1110	1280	589	1760	529	705
5	e589	738	1090	927	1470	1440	1080	952	561	1440	480	550
6	e598	1200	1130	1060	1800	1420	1050	941	540	1170	477	465
7	e809	1210	1030	1150	6270	1450	1040	886	517	989	499	1030
8	e1210	973	963	998	4610	1400	1050	848	543	856	457	7100
9	1720	874	929	971	2630	1310	1060	808	925	767	410	6850
10	1320	812	973	1050	2090	1290	1040	803	1070	698	386	2960
11	1050	776	1650	1020	1850	1270	1020	940	978	656	376	1870
12	e944	769	1790	961	2880	1260	1030	876	765	617	541	1400
13	e853	765	1370	939	4170	1240	1170	863	668	600	1430	1100
14	e810	741	1410	931	3030	1220	1480	864	719	634	1210	939
15	e753	715	1820	925	3590	1220	1360	902	719	603	854	843
16	e710	712	1580	915	3900	1240	1170	854	696	591	669	806
17	e676	740	1370	897	3150	1260	1100	794	640	584	582	5930
18	e652	842	1300	943	2370	1230	1060	778	625	573	532	12700
19	e645	1470	1220	1070	2070	1200	1020	869	607	506	500	10500
20	e652	3190	1130	1020	1890	1180	994	965	569	518	491	3280
21	688	1950	1060	933	1790	1210	971	851	540	502	475	2400
22	679	1390	1010	898	1700	1240	947	772	1940	443	473	1920
23	664	1180	1000	885	1590	1180	928	658	2420	414	454	1620
24	646	1070	1040	872	1550	e1130	912	734	2420	393	446	1420
25	641	1060	1120	973	1540	e1120	896	701	1550	422	432	1280
26	645	1040	1060	2300	1610	e1120	884	660	1900	639	602	1130
27	993	964	994	2870	1830	e1120	943	628	2790	1050	503	1960
28	1390	971	969	1980	1780	e1120	968	607	2260	1040	434	14400
29	1040	1220	953	1630	1630	e1120	898	583	2260	803	400	17100
30	887	1170	952	1430	---	e1150	862	567	1560	824	380	5120
31	807	---	956	1320	---	1360	---	562	---	836	367	---
TOTAL	25503	31538	35721	35543	68250	39430	31743	25977	33186	26228	17374	108852
MEAN	823	1051	1152	1147	2353	1272	1058	838	1106	846	560	3628
MAX	1720	3190	1820	2870	6270	1520	1480	1480	2790	2010	1430	17100
MIN	589	712	925	872	1150	1120	862	562	517	393	367	383
CFSM	0.58	0.74	0.81	0.80	1.65	0.89	0.74	0.59	0.77	0.59	0.39	2.54
IN.	0.66	0.82	0.93	0.92	1.78	1.03	0.83	0.68	0.86	0.68	0.45	2.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

MEAN	1080	1255	1780	2392	2833	3244	2408	1724	1360	1163	1052	912
MAX	5768	6158	5506	5373	7319	10130	7718	4496	4279	3171	5319	4472
(WY)	1930	1949	1984	1974	1998	1929	1964	1964	1967	1938	1928	1929
MIN	148	313	455	506	803	970	766	447	238	162	89.2	158
(WY)	1955	2002	1956	1956	1989	1988	1986	2001	1988	1986	2002	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004	
ANNUAL TOTAL	796373		479345			
ANNUAL MEAN	2182		1310		1766	
HIGHEST ANNUAL MEAN					3261	1964
LOWEST ANNUAL MEAN					691	2002
HIGHEST DAILY MEAN	21100	Mar 22	17100	Sep 29	70600	Oct 2 1929
LOWEST DAILY MEAN	502	Sep 20	367	Aug 31	19	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	557	Sep 15	413	Aug 27	41	Sep 8 2002
MAXIMUM PEAK FLOW			20000	Sep 29	79400	Oct 2 1929
MAXIMUM PEAK STAGE			20.89	Sep 29	34.80	Oct 2 1929
ANNUAL RUNOFF (CFSM)	1.53		0.916		1.23	
ANNUAL RUNOFF (INCHES)	20.72		12.47		16.78	
10 PERCENT EXCEEDS	3420		1930		3090	
50 PERCENT EXCEEDS	1640		971		1130	
90 PERCENT EXCEEDS	739		548		482	

e Estimated

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.54	5.08	4.89	5.45	5.73	5.43	4.50	3.84	5.68	4.41	3.51
2	---	4.50	4.96	4.85	5.32	5.66	5.17	4.92	3.95	6.48	4.16	3.62
3	---	4.48	4.87	4.84	5.80	5.62	5.03	5.65	3.97	6.68	4.04	4.22
4	---	4.48	4.88	4.85	6.12	5.62	4.97	5.29	3.88	6.29	3.90	4.30
5	---	4.48	5.20	4.87	5.75	5.57	4.91	4.84	3.81	5.74	3.77	3.95
6	---	5.40	5.28	5.15	6.18	5.55	4.86	4.64	3.76	5.25	3.77	3.74
7	---	5.41	5.09	5.30	11.45	5.60	4.84	4.53	3.71	4.90	3.82	4.78
8	---	4.97	4.95	5.02	9.75	5.51	4.86	4.45	3.77	4.63	3.72	12.20
9	6.32	4.77	4.88	4.96	7.45	5.36	4.88	4.37	4.60	4.44	3.59	11.98
10	5.62	4.64	4.97	5.12	6.67	5.31	4.85	4.36	4.90	4.29	3.52	7.96
11	5.12	4.56	6.18	5.06	6.28	5.27	4.81	4.64	4.72	4.19	3.49	6.46
12	---	4.54	6.43	4.94	7.67	5.25	4.83	4.51	4.27	4.11	3.88	5.68
13	---	4.54	5.72	4.90	9.32	5.21	5.09	4.48	4.06	4.07	5.72	5.11
14	---	4.48	5.78	4.88	7.96	5.17	5.65	4.49	4.18	4.14	5.32	4.80
15	---	4.43	6.48	4.87	8.65	5.19	5.45	4.56	4.18	4.07	4.62	4.60
16	---	4.42	6.09	4.85	9.02	5.23	5.10	4.46	4.13	4.05	4.22	4.52
17	---	4.48	5.72	4.81	8.11	5.26	4.96	4.34	4.00	4.03	4.02	10.66
18	---	4.70	5.59	4.91	7.10	5.20	4.87	4.30	3.96	4.00	3.90	16.60
19	---	5.82	5.44	5.15	6.64	5.15	4.81	4.50	3.92	3.84	3.83	14.84
20	---	8.33	5.28	5.06	6.35	5.11	4.75	4.69	3.83	3.87	3.80	8.37
21	4.37	6.67	5.13	4.89	6.18	5.16	4.70	4.46	3.76	3.83	3.76	7.26
22	4.35	5.75	5.05	4.82	6.02	5.21	4.66	4.29	6.32	3.68	3.76	6.55
23	4.31	5.36	5.02	4.79	5.85	5.10	4.62	4.26	7.01	3.60	3.71	6.05
24	4.27	5.16	5.09	4.76	5.77	---	4.58	4.21	7.16	3.54	3.69	5.71
25	4.26	5.14	5.25	4.96	5.76	---	4.55	4.14	5.87	3.61	3.65	5.46
26	4.27	5.11	5.14	7.12	5.88	---	4.53	4.04	6.34	4.15	4.07	5.17
27	4.98	4.95	5.01	7.94	6.25	---	4.65	3.97	7.72	5.01	3.83	6.25
28	5.76	4.96	4.96	6.73	6.17	---	4.70	3.92	7.07	5.00	3.65	17.53
29	5.10	5.44	4.93	6.17	5.91	---	4.55	3.87	7.06	4.52	3.56	19.21
30	4.79	5.35	4.93	5.83	---	---	4.48	3.83	5.94	4.56	3.50	10.29
31	4.63	---	4.93	5.63	---	5.44	---	3.82	---	4.59	3.47	---
MEAN	---	5.06	5.30	5.26	6.93	---	4.87	4.43	4.86	4.54	3.94	7.71
MAX	---	8.33	6.48	7.94	11.45	---	5.65	5.65	7.72	6.68	5.72	19.21
MIN	---	4.42	4.87	4.76	5.32	---	4.48	3.82	3.71	3.54	3.47	3.51

2004 Water Year

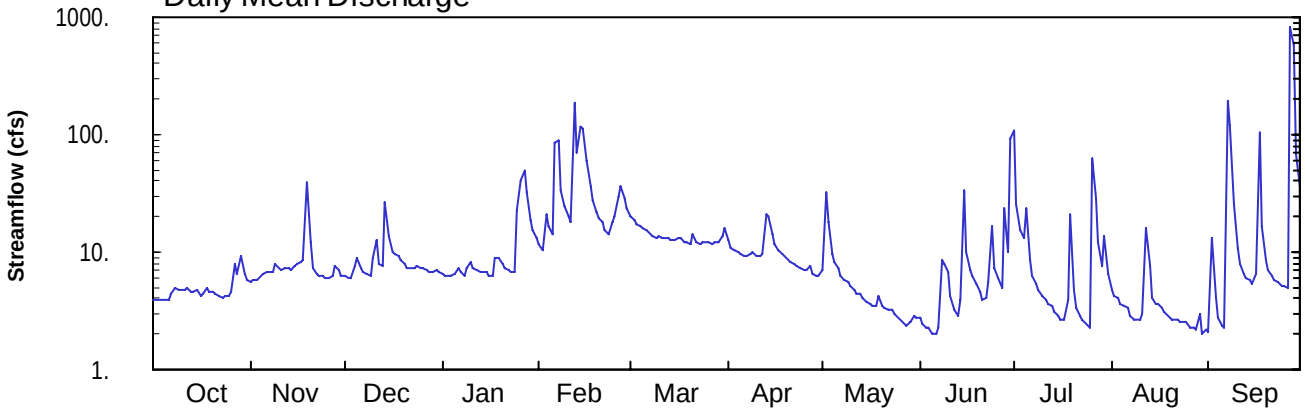
SAVANNAH RIVER BASIN

02193340 KETTLE CREEK NEAR WASHINGTON, GA

Latitude: 33°40'57" Longitude: 082°51'29" Hydrologic Unit Code: 03060105

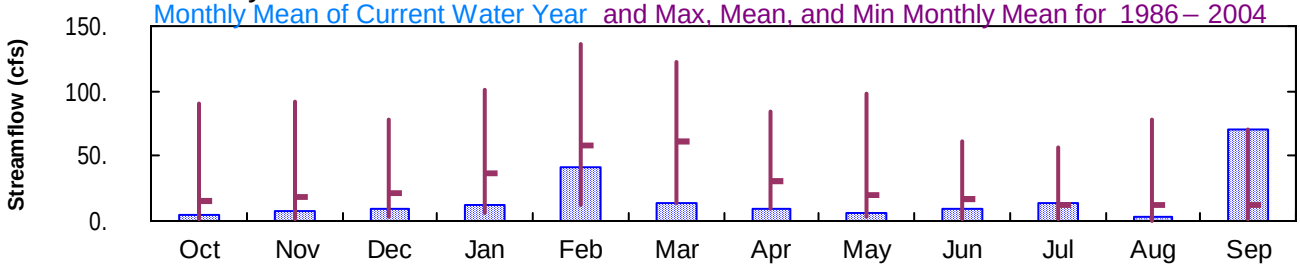
Wilkes County Datum: 416.06 feet Drainage Area: 33.9 mi²

Daily Mean Discharge

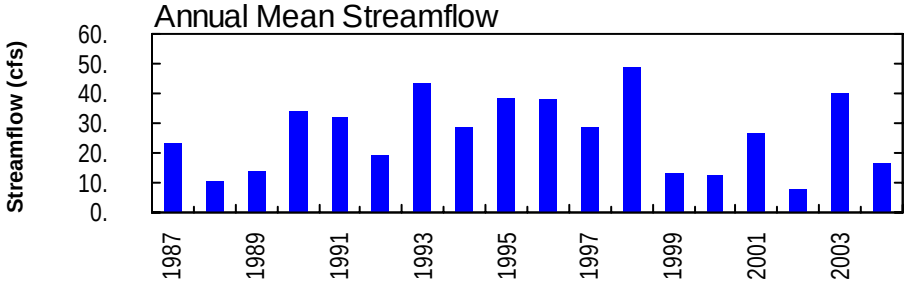


Monthly Statistics

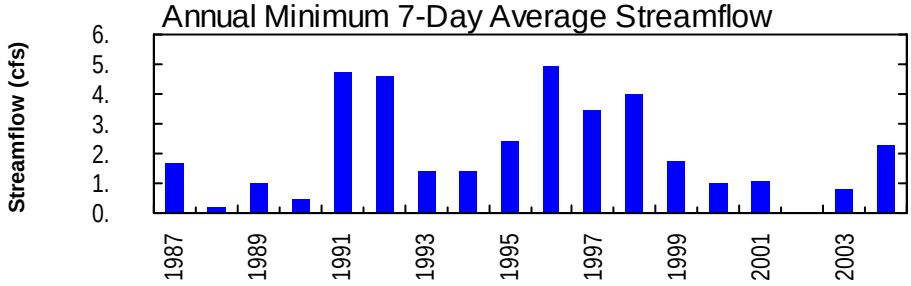
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1986 – 2004



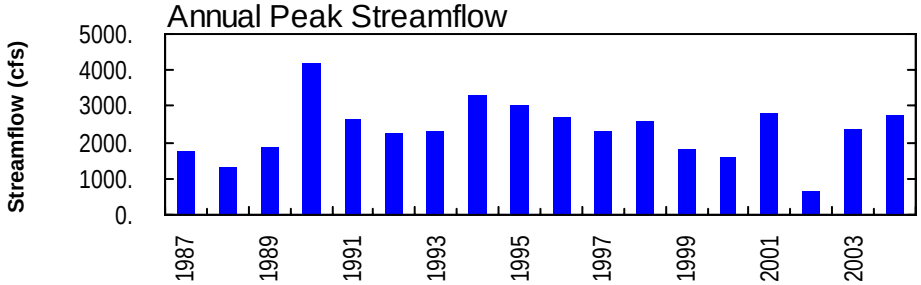
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

SAVANNAH RIVER BASIN
2004 Water Year

02193340 KETTLE CREEK NEAR WASHINGTON, GA

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

DRAINAGE AREA.—33.9 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1986 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 416.06 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except periods of estimated discharges, which are poor.

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

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
06/30	2245	847	8.24
09/27	2115	2,740*	14.02*

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1986 to current year.

REVISED RECORDS.—WDR GA-03-01: Extremes for 2002 water year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 416.06 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.02 feet, September 27; minimum gage-height recorded, 3.04 feet, August 30, 31.

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

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	5.7	6.3	6.4	12	20	13	6.9	2.8	109	4.7	2.1
2	3.9	5.7	6.1	6.4	11	19	11	32	2.5	26	4.3	13
3	3.9	5.9	6.1	6.4	21	17	10	18	2.3	15	4.0	4.0
4	4.0	6.1	7.6	6.4	17	17	10	9.6	2.2	13	3.6	2.8
5	3.9	6.4	8.9	6.6	14	16	9.5	8.3	2.1	23	3.5	2.4
6	3.9	6.7	7.4	7.4	86	15	9.2	7.3	2.0	8.4	3.4	2.3
7	4.5	6.7	6.8	6.7	88	15	9.2	6.4	2.2	6.3	2.9	197
8	4.9	6.7	6.6	6.3	33	14	9.5	5.9	8.6	5.3	2.7	123
9	4.8	7.9	6.4	7.5	24	13	9.9	5.6	8.0	4.7	2.6	25
10	4.7	7.4	8.9	8.2	20	13	9.2	5.1	6.7	4.2	2.6	11
11	4.7	7.0	13	7.4	18	13	9.1	4.7	4.2	3.9	2.9	7.8
12	5.0	7.3	8.0	7.0	186	13	9.6	4.5	3.3	3.6	16	6.6
13	4.6	7.3	7.6	6.7	69	13	21	4.3	2.8	3.4	7.5	6.0
14	4.6	7.1	27	6.7	118	13	20	4.0	3.9	3.1	4.1	5.8
15	4.8	7.5	14	6.6	113	13	14	3.7	33	2.9	3.7	5.4
16	4.3	8.0	9.8	6.4	60	13	12	3.7	10	2.7	3.6	6.4
17	4.4	8.3	9.4	6.3	36	13	11	3.5	7.2	2.7	3.3	104
18	4.9	8.4	9.3	8.9	27	12	9.7	3.4	6.2	3.9	3.2	17
19	4.6	40	8.5	9.1	22	12	9.2	4.2	5.3	21	2.9	8.6
20	4.5	12	7.8	7.9	20	12	8.6	3.5	4.5	4.7	2.7	6.9
21	4.4	7.4	7.3	7.3	18	14	8.3	3.3	4.0	3.4	2.6	6.3
22	4.3	6.6	7.3	7.0	15	12	7.8	3.2	4.1	2.9	2.6	5.8
23	4.1	6.4	7.2	6.7	14	12	7.7	3.3	5.5	2.6	2.5	5.5
24	4.2	6.3	7.5	6.7	18	12	7.3	2.9	17	2.5	2.5	5.2
25	4.2	6.1	7.4	22	20	12	7.0	2.8	7.2	2.3	2.5	5.1
26	4.5	6.1	7.2	e41	30	12	7.1	2.6	6.1	62	2.3	5.0
27	7.8	6.2	7.0	e49	36	12	7.5	2.5	4.9	29	2.2	810
28	6.6	7.5	6.7	33	28	12	6.4	2.4	23	12	2.2	589
29	9.1	7.0	6.7	19	24	12	6.2	2.5	10	7.5	3.0	69
30	6.6	6.4	6.9	15	---	14	6.4	2.8	94	14	2.0	36
31	5.8	---	6.7	13	---	16	---	2.7	---	6.6	2.2	---
TOTAL	150.4	244.1	263.4	361.0	1198	426	296.4	175.6	295.6	411.6	110.8	2094.0
MEAN	4.85	8.14	8.50	11.6	41.3	13.7	9.88	5.66	9.85	13.3	3.57	69.8
MAX	9.1	40	27	49	186	20	21	32	94	109	16	810
MIN	3.9	5.7	6.1	6.3	11	12	6.2	2.4	2.0	2.3	2.0	2.1
CFSM	0.14	0.24	0.25	0.34	1.22	0.41	0.29	0.17	0.29	0.39	0.11	2.06
IN.	0.17	0.27	0.29	0.40	1.32	0.47	0.33	0.19	0.32	0.45	0.12	2.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

MEAN	15.9	18.2	22.2	36.7	58.6	60.6	30.5	20.0	16.3	12.4	12.9	12.6
MAX	89.7	91.5	78.3	101	137	122	84.5	98.1	61.2	56.6	78.7	69.8
(WY)	1990	1993	1998	1993	1995	2001	1998	2003	2001	2003	1994	2004
MIN	1.33	2.24	2.67	5.44	12.0	13.7	8.98	3.49	1.50	1.15	0.30	1.52
(WY)	2002	2002	2002	2002	1989	2004	2000	2000	2000	2000	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL TOTAL	13582.9		6026.9			
ANNUAL MEAN	37.2		16.5		26.5	
HIGHEST ANNUAL MEAN					49.0	1998
LOWEST ANNUAL MEAN					7.97	2002
HIGHEST DAILY MEAN	1030	May 6	810	Sep 27	2170	Oct 1 1989
LOWEST DAILY MEAN	3.8	Sep 29	2.0	Jun 6 a	0.02	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	3.9	Sep 29	2.3	Aug 26	0.03	Aug 10 2002
MAXIMUM PEAK FLOW			2740	Sep 27	4150	Oct 1 1989
MAXIMUM PEAK STAGE			14.02	Sep 27	17.68	Oct 1 1989
ANNUAL RUNOFF (CFSM)	1.10		0.486		0.782	
ANNUAL RUNOFF (INCHES)	14.91		6.62		10.62	
10 PERCENT EXCEEDS	56		23		44	
50 PERCENT EXCEEDS	14		7.0		10	
90 PERCENT EXCEEDS	5.9		2.8		2.2	

e Estimated
a Also Aug 30

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.19	3.27	3.27	3.27	3.40	3.55	3.43	3.30	3.12	4.41	3.20	3.05
2	3.19	3.27	3.26	3.27	3.38	3.53	3.40	3.69	3.10	3.59	3.18	3.40
3	3.19	3.27	3.26	3.27	3.54	3.51	3.39	3.51	3.08	3.46	3.17	3.16
4	3.20	3.28	3.30	3.27	3.49	3.50	3.38	3.37	3.08	3.42	3.15	3.10
5	3.19	3.29	3.34	3.28	3.45	3.49	3.37	3.34	3.06	3.56	3.14	3.07
6	3.19	3.30	3.30	3.30	4.05	3.48	3.36	3.31	3.06	3.32	3.13	3.06
7	3.22	3.30	3.28	3.28	4.28	3.47	3.36	3.28	3.08	3.26	3.11	4.95
8	3.24	3.30	3.28	3.27	3.64	3.45	3.37	3.26	3.33	3.22	3.09	4.59
9	3.23	3.33	3.27	3.30	3.53	3.44	3.37	3.25	3.32	3.20	3.09	3.59
10	3.23	3.32	3.34	3.32	3.48	3.45	3.36	3.23	3.29	3.18	3.09	3.38
11	3.23	3.31	3.42	3.30	3.44	3.44	3.36	3.22	3.20	3.16	3.11	3.30
12	3.24	3.32	3.32	3.29	4.89	3.44	3.37	3.21	3.15	3.15	3.42	3.27
13	3.23	3.32	3.31	3.28	4.12	3.44	3.54	3.20	3.12	3.14	3.28	3.25
14	3.23	3.31	3.61	3.28	4.47	3.43	3.54	3.19	3.16	3.12	3.17	3.24
15	3.23	3.33	3.44	3.28	4.59	3.43	3.46	3.17	3.72	3.11	3.15	3.23
16	3.21	3.34	3.36	3.27	4.05	3.44	3.42	3.17	3.38	3.09	3.15	3.25
17	3.22	3.35	3.36	3.27	3.75	3.44	3.39	3.16	3.30	3.09	3.13	4.35
18	3.24	3.35	3.35	3.34	3.63	3.42	3.37	3.16	3.27	3.16	3.12	3.47
19	3.22	3.79	3.33	3.35	3.57	3.42	3.36	3.20	3.24	3.51	3.11	3.32
20	3.22	3.41	3.31	3.32	3.54	3.41	3.34	3.16	3.21	3.20	3.09	3.28
21	3.21	3.30	3.30	3.30	3.51	3.46	3.34	3.15	3.19	3.13	3.09	3.26
22	3.21	3.28	3.30	3.29	3.48	3.43	3.32	3.14	3.19	3.11	3.09	3.24
23	3.20	3.27	3.30	3.28	3.46	3.41	3.32	3.15	3.24	3.09	3.08	3.23
24	3.21	3.27	3.31	3.28	3.51	3.42	3.31	3.13	3.48	3.08	3.08	3.22
25	3.21	3.26	3.30	3.53	3.54	3.42	3.30	3.12	3.30	3.06	3.08	3.22
26	3.22	3.26	3.30	---	3.67	3.42	3.30	3.11	3.27	3.94	3.06	3.21
27	3.33	3.26	3.29	---	3.75	3.42	3.32	3.10	3.23	3.63	3.06	6.59
28	3.30	3.30	3.28	3.70	3.65	3.42	3.28	3.09	3.58	3.39	3.05	6.74
29	3.37	3.29	3.28	3.52	3.59	3.42	3.27	3.10	3.38	3.29	3.10	4.08
30	3.30	3.27	3.29	3.47	---	3.45	3.28	3.12	3.93	3.40	3.04	3.66
31	3.27	---	3.28	3.43	---	3.48	---	3.11	---	3.27	3.06	---
MEAN	3.23	3.32	3.32	---	3.74	3.45	3.37	3.22	3.27	3.31	3.12	3.66
MAX	3.37	3.79	3.61	---	4.89	3.55	3.54	3.69	3.93	4.41	3.42	6.74
MIN	3.19	3.26	3.26	---	3.38	3.41	3.27	3.09	3.06	3.06	3.04	3.05

2004 Water Year

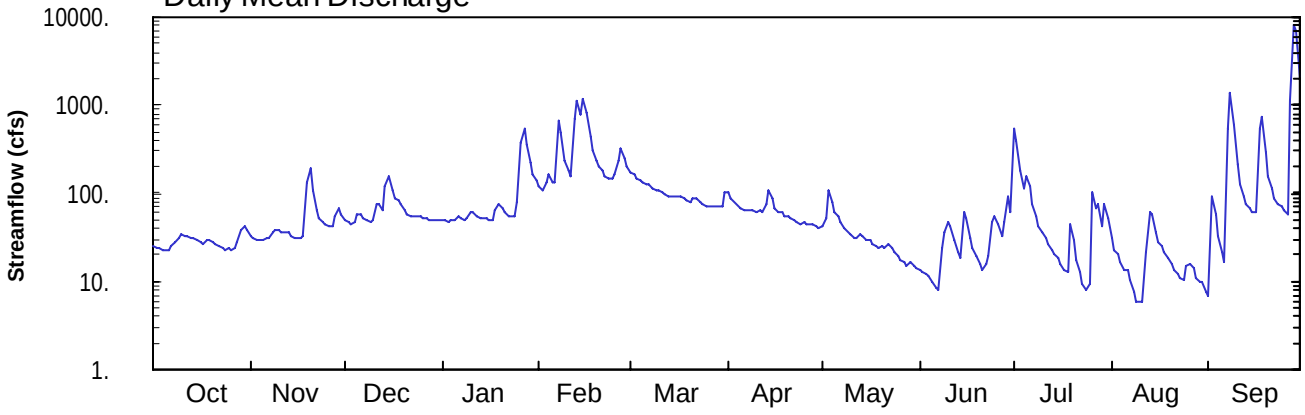
SAVANNAH RIVER BASIN

02193500 LITTLE RIVER NEAR WASHINGTON, GA

Latitude: 33°36'46" Longitude: 082°44'33" Hydrologic Unit Code: 03060105

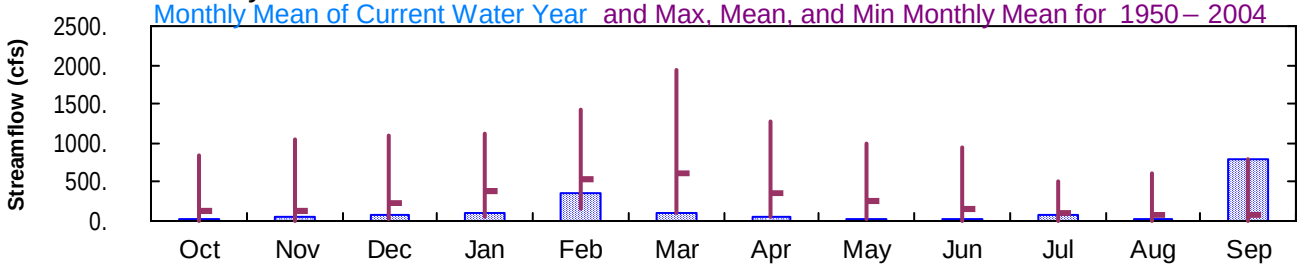
Wilkes County Datum: 353.88 feet Drainage Area: 292. mi²

Daily Mean Discharge

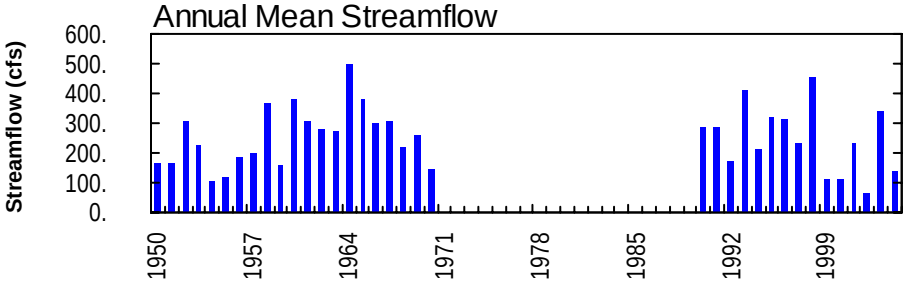


Monthly Statistics

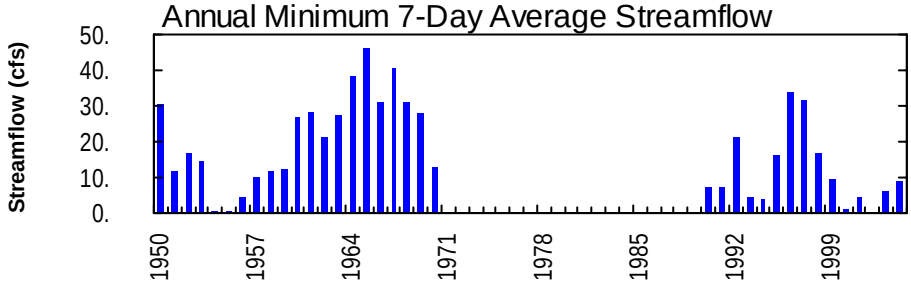
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1950 – 2004



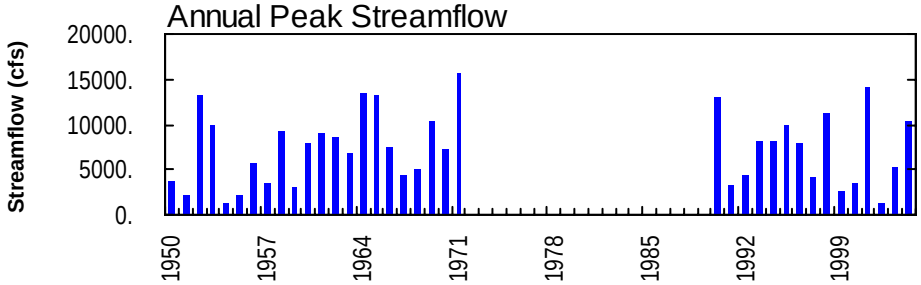
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



SAVANNAH RIVER BASIN
2004 Water Year

02193500 LITTLE RIVER NEAR WASHINGTON, GA

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

DRAINAGE AREA.—291 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.—WSP 1383: Drainage area.

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

REMARKS.—Records good.

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

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/28	2015	10,300*	25.61*

No other peaks above base discharge

02193500 LITTLE RIVER NEAR WASHINGTON, GA—continued.

WATER-STAGE RECORDS

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

REVISED RECORDS.—WSP 1383: Drainage area.

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

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 25.61 feet, September 28; minimum gage-height recorded, 3.51 feet, September 1.

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

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	33	50	49	120	172	105	43	14	556	31	6.8
2	24	31	46	49	109	161	86	51	13	395	23	91
3	23	29	44	48	134	148	77	109	12	178	20	59
4	23	29	47	49	161	139	71	78	11	113	16	33
5	23	30	58	50	134	134	67	60	10	154	14	22
6	23	31	58	54	133	130	65	55	8.5	123	13	17
7	25	32	53	53	666	126	64	47	8.2	76	10	554
8	28	36	49	51	501	116	63	41	24	54	7.7	1370
9	31	38	46	53	240	109	65	37	36	43	6.0	590
10	35	38	50	62	180	108	62	34	47	36	5.9	210
11	33	36	75	60	156	104	64	31	43	30	5.8	129
12	32	36	75	55	697	99	59	30	29	26	22	95
13	31	35	64	52	1130	95	75	35	22	23	60	77
14	30	32	120	51	769	91	106	32	18	21	57	68
15	29	31	153	51	1160	91	86	29	61	18	37	60
16	28	31	108	50	818	92	68	29	53	15	29	60
17	26	31	87	51	434	92	63	27	31	13	25	547
18	30	32	83	63	300	89	60	25	24	13	22	754
19	29	131	74	76	241	84	56	24	20	45	19	294
20	28	192	64	69	205	81	54	25	16	30	16	152
21	27	109	57	60	179	88	51	24	13	18	14	113
22	25	65	54	56	159	88	49	27	16	12	12	90
23	23	52	54	54	145	79	47	24	19	9.6	11	77
24	23	47	54	54	149	74	46	21	48	8.1	10	70
25	24	45	55	80	167	72	46	20	56	9.3	15	63
26	23	43	53	376	234	71	44	18	45	105	15	59
27	24	43	52	529	322	71	46	16	34	66	14	1110
28	29	55	51	357	247	71	45	15	47	75	11	8040
29	39	67	49	220	197	70	42	16	92	42	9.9	7090
30	43	58	50	164	---	72	41	15	60	76	9.7	2050
31	37	---	49	137	---	104	---	14	---	51	7.6	---
TOTAL	873	1498	1982	3183	10087	3121	1873	1052	930.7	2434.0	568.6	23950.8
MEAN	28.2	49.9	63.9	103	348	101	62.4	33.9	31.0	78.5	18.3	798
MAX	43	192	153	529	1160	172	106	109	92	556	60	8040
MIN	23	29	44	48	109	70	41	14	8.2	8.1	5.8	6.8
CFSM	0.10	0.17	0.22	0.35	1.19	0.34	0.21	0.12	0.11	0.27	0.06	2.73
IN.	0.11	0.19	0.25	0.41	1.29	0.40	0.24	0.13	0.12	0.31	0.07	3.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	136	133	226	386	533	623	360	257	148	103	83.7	88.7
MAX	834	1037	1096	1123	1419	1939	1273	997	951	514	616	798
(WY)	1990	1993	1965	1960	1995	1952	1961	1964	2001	1967	1994	2004
MIN	0.44	12.5	24.7	47.8	150	101	62.4	21.4	5.50	2.85	10.7	1.72
(WY)	1955	2002	2002	1956	1950	2004	2004	2000	2000	2000	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL TOTAL	113736		51553.1			
ANNUAL MEAN	312		141		252	
HIGHEST ANNUAL MEAN					500	1964
LOWEST ANNUAL MEAN					65.4	2002
HIGHEST DAILY MEAN	4650	May 7	8040	Sep 28	13400	Mar 3 1971
LOWEST DAILY MEAN	23	Sep 21	5.8	Aug 11	0.12	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	24	Oct 1	8.9	Aug 5	0.19	Aug 9 2002
MAXIMUM PEAK FLOW			10300	Sep 28	15500	Mar 3 1971
MAXIMUM PEAK STAGE			25.61	Sep 28	28.38	Jun 13 2001
INSTANTANEOUS LOW FLOW			5.6	Aug 11	0.10	Aug 9 2002
ANNUAL RUNOFF (CFSM)	1.07		0.482		0.862	
ANNUAL RUNOFF (INCHES)	14.49		6.57		11.71	
10 PERCENT EXCEEDS	717		178		487	
50 PERCENT EXCEEDS	130		51		93	
90 PERCENT EXCEEDS	30		15		23	

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.22	4.38	4.68	4.66	5.39	5.83	5.25	4.51	3.84	7.89	4.28	3.51
2	4.19	4.34	4.62	4.66	5.29	5.74	5.06	4.62	3.82	7.16	4.09	4.95
3	4.18	4.31	4.58	4.65	5.51	5.64	4.97	5.28	3.79	5.86	4.01	4.63
4	4.16	4.31	4.63	4.67	5.74	5.56	4.90	4.96	3.77	5.33	3.91	4.20
5	4.17	4.33	4.80	4.68	5.52	5.52	4.85	4.77	3.73	5.67	3.84	3.95
6	4.17	4.35	4.79	4.74	5.50	5.48	4.82	4.69	3.68	5.41	3.83	3.81
7	4.21	4.37	4.73	4.73	8.52	5.44	4.80	4.57	3.67	4.95	3.74	7.29
8	4.29	4.44	4.66	4.69	7.71	5.36	4.80	4.47	4.09	4.67	3.66	11.38
9	4.35	4.48	4.62	4.72	6.29	5.28	4.82	4.40	4.37	4.51	3.60	8.10
10	4.42	4.48	4.68	4.84	5.89	5.27	4.79	4.34	4.56	4.37	3.59	6.03
11	4.38	4.44	5.00	4.82	5.70	5.24	4.81	4.29	4.50	4.26	3.59	5.39
12	4.37	4.45	5.01	4.75	8.43	5.20	4.75	4.27	4.24	4.17	4.02	5.06
13	4.35	4.43	4.87	4.71	10.52	5.15	4.94	4.35	4.06	4.10	4.67	4.87
14	4.34	4.38	5.43	4.70	8.98	5.11	5.26	4.31	3.96	4.03	4.61	4.76
15	4.31	4.34	5.73	4.69	10.61	5.11	5.06	4.25	4.63	3.95	4.28	4.66
16	4.28	4.34	5.33	4.67	9.20	5.12	4.86	4.23	4.64	3.88	4.11	4.66
17	4.23	4.34	5.12	4.69	7.37	5.12	4.79	4.18	4.28	3.83	4.03	7.72
18	4.32	4.37	5.08	4.86	6.65	5.09	4.76	4.14	4.12	3.82	3.95	8.94
19	4.30	5.44	4.99	5.01	6.31	5.05	4.70	4.13	4.00	4.47	3.87	6.53
20	4.27	6.01	4.87	4.93	6.07	5.01	4.67	4.14	3.89	4.25	3.79	5.59
21	4.25	5.34	4.79	4.82	5.88	5.08	4.63	4.12	3.83	3.94	3.73	5.24
22	4.22	4.88	4.75	4.77	5.73	5.09	4.60	4.19	3.90	3.81	3.69	5.01
23	4.17	4.71	4.74	4.75	5.62	4.99	4.58	4.11	3.99	3.72	3.66	4.87
24	4.17	4.64	4.74	4.74	5.64	4.93	4.55	4.05	4.56	3.67	3.63	4.78
25	4.18	4.61	4.75	5.02	5.80	4.91	4.55	4.00	4.70	3.71	3.76	4.70
26	4.16	4.58	4.74	7.02	6.25	4.90	4.51	3.95	4.54	4.96	3.77	4.64
27	4.19	4.57	4.72	7.86	6.77	4.90	4.55	3.91	4.33	4.82	3.74	9.05
28	4.30	4.75	4.69	6.96	6.34	4.90	4.54	3.87	4.54	4.93	3.66	23.43
29	4.50	4.91	4.67	6.17	6.02	4.88	4.48	3.90	5.12	4.47	3.62	22.48
30	4.57	4.79	4.67	5.77	---	4.91	4.47	3.88	4.76	4.87	3.61	13.62
31	4.47	---	4.67	5.55	---	5.24	---	3.86	---	4.62	3.54	---
MEAN	4.28	4.60	4.84	5.11	6.73	5.20	4.77	4.28	4.20	4.65	3.87	7.13
MAX	4.57	6.01	5.73	7.86	10.61	5.83	5.26	5.28	5.12	7.89	4.67	23.43
MIN	4.16	4.31	4.58	4.65	5.29	4.88	4.47	3.86	3.67	3.67	3.54	3.51

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

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

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.09	0.00	0.27
2	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.01	0.00	0.22	0.60	0.50
3	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.01	0.00	0.00
4	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.00	0.00
5	0.00	0.01	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
6	0.13	0.00	0.00	0.01	0.16	0.00	0.00	0.01	0.00	0.00	0.00	0.31
7	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.23	0.00	0.00	5.43
8	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.18
9	0.00	0.06	0.00	0.20	0.00	0.01	0.00	0.00	0.12	0.00	0.00	0.00
10	0.00	0.00	0.22	0.00	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.00
11	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.06	0.00	0.00	1.13	0.00
13	0.00	0.00	0.20	0.00	0.02	0.00	0.12	0.07	0.00	0.00	0.00	0.01
14	0.02	0.00	0.18	0.00	0.02	0.00	0.00	0.02	0.25	0.00	0.01	0.00
15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.10	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.05	0.00	0.00	1.09
17	0.20	0.00	0.15	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.35
18	0.00	0.08	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.22	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.01	0.00
21	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.01	0.39	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.01	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.64	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.26	0.10	0.00	0.00	0.00	0.60	1.49	0.00	0.00
26	0.00	0.00	0.00	0.01	0.12	0.00	0.09	0.00	0.00	0.51	0.00	0.00
27	0.00	0.07	0.00	0.04	0.07	0.00	0.01	0.00	0.34	0.77	0.00	4.96
28	0.41	0.17	0.00	0.01	0.00	0.00	0.00	0.18	0.18	0.06	0.00	0.04
29	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.01	0.00	0.00	0.00
30	0.01	0.00	0.00	0.00	---	0.20	0.03	0.00	0.23	0.24	0.00	0.00
31	0.00	---	0.00	0.00	---	0.08	---	0.03	---	0.00	0.00	---
TOTAL	0.97	0.65	1.06	0.78	0.85	0.37	0.25	1.85	3.65	3.44	1.85	13.14

SAVANNAH RIVER BASIN
2004 Water Year

02194500 CLARKS HILL LAKE NEAR CLARKS HILL, SC

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

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

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

SAVANNAH RIVER BASIN
2004 Water Year

02195150 KIOKEE CREEK AT US 221, AT APPLING, GA

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

DRAINAGE AREA.—43.9 square miles

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

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

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

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

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

MAXIMUM FOR CURRENT YEAR.--
STAGE: 9.90 feet, July 1
DISCHARGE: 1,180 cfs, July 1

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

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

DRAINAGE AREA.—7.50 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

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

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

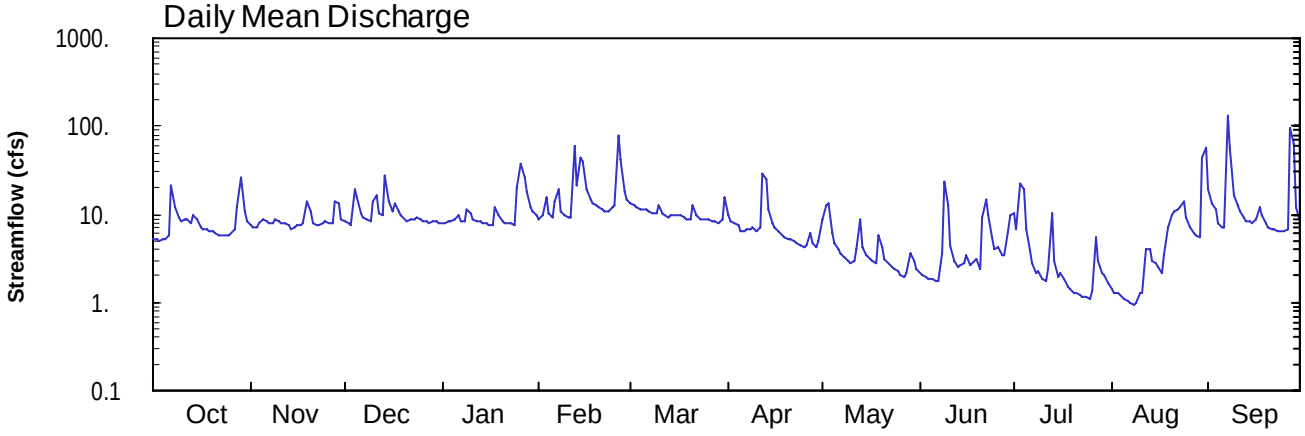
RATING.—None.

REMARKS.—No measurements were made during inspections due to high water conditions.

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

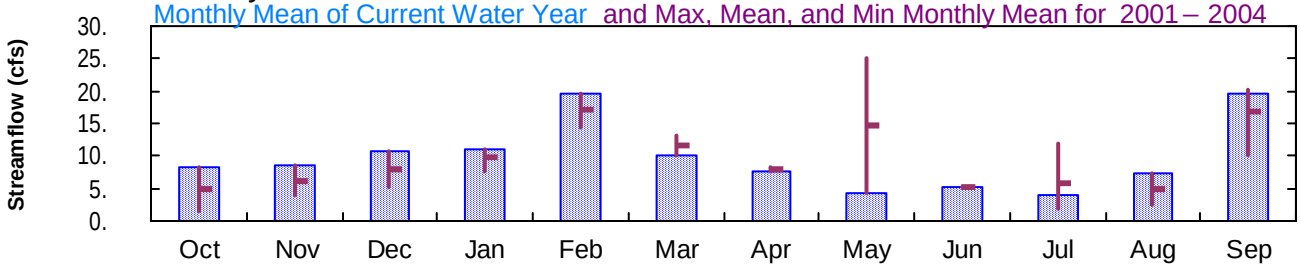
Latitude: 33°26'19" Longitude: 082°06'58" Hydrologic Unit Code: 03060106
Richmond County Datum: 260 feet Drainage Area: 10.5 mi²

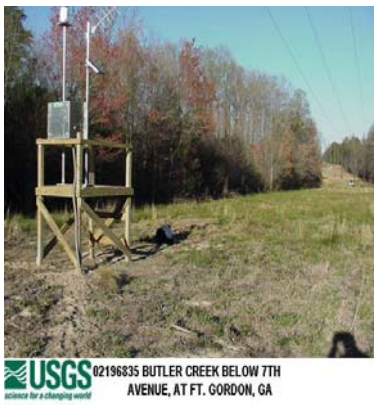
Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004





SAVANNAH RIVER BASIN
2004 Water Year

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

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

DRAINAGE AREA.—10.53 square miles (revised).

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

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

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

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

WATER-STAGE RECORDS

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

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

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

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.48 feet, September 27; minimum gage-height recorded, 1.47 feet, August 8.

PRECIPITATION RECORDS

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

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	7.7	8.3	7.9	9.0	13	9.8	8.9	2.2	10	1.4	19
2	5.1	7.2	e7.8	8.0	9.6	13	8.4	13	2.0	6.8	1.3	13
3	5.0	7.0	e7.6	8.3	15	12	7.8	13	1.9	23	1.3	11
4	5.1	8.0	e19	8.4	10	11	7.4	6.2	1.9	19	1.2	8.0
5	5.2	9.0	15	8.9	9.4	11	6.5	4.8	1.8	6.8	1.1	7.1
6	5.8	8.3	10	9.7	14	11	6.5	4.1	1.7	3.8	1.0	7.1
7	21	8.1	9.1	8.3	19	11	6.6	3.6	1.7	2.7	0.98	131
8	12	8.0	8.7	8.1	11	10	6.8	3.2	3.6	2.2	0.92	56
9	9.2	8.6	8.5	11	9.5	10	7.1	3.0	23	2.3	0.99	17
10	8.3	8.3	14	10	9.3	13	6.4	2.9	13	1.8	1.3	12
11	8.9	7.8	16	8.6	9.1	10	7.0	2.9	4.4	1.7	1.3	11
12	8.9	7.8	10	8.3	59	10	29	4.1	3.0	2.4	3.9	9.3
13	7.8	7.5	9.5	8.3	21	9.5	25	8.9	2.5	10	3.9	8.2
14	9.9	6.8	27	8.1	45	9.5	12	4.3	2.6	3.0	2.9	8.5
15	e8.9	7.1	14	8.0	41	9.7	8.0	3.4	2.9	1.9	2.8	8.1
16	7.0	7.4	11	7.6	19	10	7.0	3.1	3.4	2.2	2.5	8.8
17	6.8	7.5	13	7.7	15	9.7	6.4	2.9	2.7	1.9	2.1	12
18	6.8	7.7	11	12	13	9.1	5.8	2.8	2.8	1.5	3.5	9.5
19	6.5	14	9.6	9.7	12	9.0	5.4	5.8	3.0	1.4	7.1	7.7
20	6.4	11	8.8	8.2	12	8.9	5.3	4.1	2.4	1.3	9.7	7.0
21	6.2	8.1	8.5	7.9	11	13	5.1	3.2	9.5	1.2	11	6.6
22	5.8	7.6	8.6	7.9	11	9.6	5.0	2.7	15	1.2	11	6.7
23	5.9	7.5	8.7	7.7	11	8.9	4.8	2.5	9.5	1.2	12	6.5
24	5.8	7.9	9.2	7.5	12	8.8	4.6	2.4	5.4	1.1	14	6.4
25	5.9	8.3	8.6	20	13	8.6	4.3	2.2	3.9	1.1	9.1	6.4
26	6.3	7.7	8.3	37	77	8.6	e4.5	2.1	4.3	1.3	7.1	6.7
27	6.8	7.9	8.3	26	41	8.5	6.0	2.0	3.4	5.5	6.2	97
28	12	14	8.1	19	18	8.4	4.6	2.1	3.5	3.0	5.7	64
29	27	13	8.1	12	15	8.0	4.2	3.6	6.3	2.1	5.4	12
30	11	8.9	8.4	11	---	8.7	4.8	2.9	9.7	2.0	43	8.5
31	8.3	---	7.9	9.6	---	16	---	2.4	---	1.7	56	---
TOTAL	260.8	255.7	330.6	340.7	570.9	317.5	232.1	133.1	153.0	127.1	231.69	592.1
MEAN	8.41	8.52	10.7	11.0	19.7	10.2	7.74	4.29	5.10	4.10	7.47	19.7
MAX	27	14	27	37	77	16	29	13	23	23	56	131
MIN	5.0	6.8	7.6	7.5	9.0	8.0	4.2	2.0	1.7	1.1	0.92	6.4
MED	6.8	7.9	8.8	8.3	13	9.7	6.4	3.2	3.2	2.1	3.5	8.7
AC-FT	517	507	656	676	1130	630	460	264	303	252	460	1170
CFSM	4.21	4.26	5.33	5.50	9.84	5.12	3.87	2.15	2.55	2.05	3.74	9.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	4.87	6.18	7.91	9.85	17.0	11.7	7.93	14.7	5.15	5.96	4.90	16.7
MAX	8.41	8.52	10.7	11.0	19.7	13.1	8.11	25.0	5.21	12.0	7.47	20.2
(WY)	2004	2004	2004	2004	2004	2002	2002	2002	2002	2003	2004	2002
MIN	1.54	3.83	5.16	7.72	14.3	10.2	7.74	4.29	5.10	1.75	2.33	10.2
(WY)	2002	2002	2002	2002	2002	2004	2004	2004	2004	2002	2002	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	3545.29			
ANNUAL MEAN	9.69		9.33	
HIGHEST ANNUAL MEAN			9.69	2004
LOWEST ANNUAL MEAN			8.98	2002
HIGHEST DAILY MEAN	131	Sep 7	510	May 31 2002
LOWEST DAILY MEAN	0.92	Aug 8	0.31	Aug 24 2002
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 3	0.37	Aug 8 2002
MAXIMUM PEAK FLOW	281	Sep 27	281	Sep 27 2004
MAXIMUM PEAK STAGE	5.48	Sep 27	5.94	May 31 2002
INSTANTANEOUS LOW FLOW	0.58	Aug 8	0.58	Aug 8 2004
ANNUAL RUNOFF (AC-FT)	7030		6760	
ANNUAL RUNOFF (CFSM)	4.84		4.67	
10 PERCENT EXCEEDS	15		15	
50 PERCENT EXCEEDS	8.0		5.8	
90 PERCENT EXCEEDS	2.1		1.2	

e Estimated

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.01	2.13	2.15	2.14	2.18	2.32	2.16	2.12	1.63	2.17	1.58	2.54
2	2.01	2.11	---	2.14	2.20	2.29	2.09	2.24	1.61	2.00	1.56	2.35
3	2.00	2.10	---	2.15	2.41	2.26	2.06	2.28	1.60	2.37	1.55	2.27
4	2.01	2.14	---	2.16	2.23	2.24	2.03	1.96	1.59	2.44	1.54	2.12
5	2.01	2.18	2.40	2.17	2.19	2.23	1.98	1.87	1.58	2.01	1.53	2.07
6	2.04	2.15	2.23	2.21	2.35	2.23	1.98	1.81	1.57	1.81	1.51	2.07
7	2.59	2.14	2.18	2.15	2.51	2.21	1.99	1.77	1.57	1.72	1.50	4.06
8	2.28	2.14	2.17	2.15	2.24	2.18	2.00	1.74	1.74	1.68	1.49	3.24
9	2.19	2.16	2.16	2.26	2.20	2.19	2.02	1.72	2.52	1.69	1.50	2.48
10	2.15	2.15	2.35	2.23	2.19	2.28	1.98	1.70	2.26	1.63	1.55	2.32
11	2.17	2.13	2.42	2.16	2.18	2.20	2.00	1.71	1.84	1.62	1.55	2.25
12	2.17	2.13	2.22	2.15	3.37	2.18	2.76	1.79	1.72	1.68	1.81	2.18
13	2.13	2.12	2.20	2.15	2.57	2.15	2.68	2.10	1.67	2.19	1.84	2.13
14	2.21	2.09	2.75	2.14	3.00	2.15	2.24	1.83	1.68	1.76	1.76	2.14
15	---	2.10	2.35	2.14	3.05	2.16	2.07	1.76	1.70	1.64	1.75	2.12
16	2.10	2.11	2.24	2.12	2.53	2.17	2.01	1.73	1.75	1.68	1.71	2.16
17	2.09	2.12	2.34	2.13	2.38	2.16	1.98	1.71	1.68	1.64	1.67	2.30
18	2.09	2.13	2.25	2.30	2.32	2.12	1.94	1.69	1.69	1.59	1.81	2.19
19	2.08	2.35	2.20	2.21	2.28	2.12	1.91	1.90	1.72	1.58	2.06	2.10
20	2.07	2.24	2.17	2.15	2.25	2.11	1.91	1.82	1.66	1.56	2.20	2.06
21	2.06	2.14	2.16	2.14	2.24	2.30	1.89	1.73	2.00	1.55	2.26	2.04
22	2.04	2.12	2.17	2.13	2.21	2.15	1.89	1.69	2.35	1.54	2.28	2.04
23	2.04	2.12	2.17	2.13	2.20	2.11	1.87	1.67	2.14	1.53	2.31	2.03
24	2.04	2.14	2.19	2.12	2.26	2.11	1.85	1.65	1.91	1.53	2.37	2.03
25	2.05	2.15	2.16	2.51	2.29	2.10	1.83	1.63	1.80	1.52	2.17	2.03
26	2.06	2.13	2.15	2.98	3.63	2.10	---	1.62	1.83	1.56	2.07	2.04
27	2.09	2.14	2.15	2.71	3.02	2.10	1.95	1.60	1.75	1.94	2.01	3.43
28	2.28	2.34	2.14	2.50	2.48	2.09	1.86	1.62	1.76	1.76	1.98	3.39
29	2.73	2.33	2.15	2.30	2.36	2.07	1.82	1.77	1.97	1.67	1.96	2.44
30	2.24	2.18	2.15	2.24	---	2.10	1.87	1.71	2.08	1.66	2.58	2.29
31	2.15	---	2.14	2.20	---	2.41	---	1.66	---	1.62	3.27	---
MEAN	---	2.16	---	2.24	2.46	2.18	---	1.79	1.81	1.75	1.89	2.36
MAX	---	2.35	---	2.98	3.63	2.41	---	2.28	2.52	2.44	3.27	4.06
MIN	---	2.09	---	2.12	2.18	2.07	---	1.60	1.57	1.52	1.49	2.03

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

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

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.00	0.00
2	0.00	0.00	---	0.00	0.35	0.00	0.00	0.69	0.00	0.21	0.02	0.41
3	0.00	0.00	---	0.00	0.01	0.00	0.00	0.00	0.00	0.50	0.00	0.00
4	0.00	0.03	---	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00
5	0.00	0.01	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.34	0.01	0.00	0.00	0.49	0.02	0.00	0.00	0.00	0.00	0.00	0.50
7	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	3.29
8	0.01	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.70	0.00	0.00	0.06
9	0.00	0.07	0.00	0.19	0.00	0.18	0.00	0.00	1.07	0.00	0.00	0.00
10	0.01	0.00	0.44	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.05	0.00	0.00	0.00	0.13	0.00	0.42	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.11	0.00	0.81	0.17	0.00	0.45	0.82	0.00
13	0.00	0.00	0.30	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.04
14	0.27	0.00	0.43	0.00	0.92	0.00	0.00	0.00	0.06	0.00	0.13	0.02
15	---	0.00	0.01	0.00	0.19	0.00	0.00	0.00	0.01	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.38	0.00	0.00	0.17
17	0.00	0.00	0.24	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.25
18	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
19	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	1.14	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.42	0.00	0.01	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.00	0.00
24	0.00	0.03	0.03	0.00	0.12	0.00	0.00	0.00	0.01	0.00	0.62	0.00
25	0.00	0.00	0.00	0.64	0.60	0.00	0.00	0.00	0.09	0.00	0.00	0.00
26	0.00	0.00	0.00	0.03	1.13	0.00	---	0.00	0.00	0.20	0.00	0.00
27	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.10	0.30	0.00	3.85
28	0.88	0.35	0.00	0.01	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.10
29	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.09	0.00	0.00	0.00
30	0.00	0.00	0.02	0.00	---	0.16	0.33	0.00	0.70	0.00	4.26	0.00
31	0.00	---	0.00	0.00	---	0.43	---	0.00	---	0.00	0.69	---
TOTAL	---	0.94	---	1.31	5.09	1.19	---	1.68	5.47	1.95	6.55	8.69

SAVANNAH RIVER BASIN
2004 Water Year

02196838 BUTLER CREEK RESERVOIR AT FORT GORDON, GA

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

DRAINAGE AREA.—577 square miles, approximately.

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

WATER-STAGE RECORDS

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

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

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum gage-height recorded, 29.09 feet, September 28; minimum gage-height recorded, 24.83 feet, August 30.

PRECIPITATION RECORDS

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

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.41	27.54	27.56	27.57	27.59	27.68	27.65	27.51	27.00	27.61	26.21	27.71
2	27.41	27.52	27.58	27.56	27.57	27.66	27.58	27.59	26.91	27.55	26.14	27.61
3	27.40	27.50	27.55	27.56	27.68	27.64	27.55	27.71	26.84	27.54	26.05	27.55
4	27.42	27.50	27.62	27.58	27.64	27.63	27.55	27.60	26.76	27.79	25.93	27.47
5	27.42	27.54	27.71	27.57	27.61	27.62	27.53	27.52	26.70	27.66	25.84	27.41
6	27.43	27.54	27.65	27.59	27.63	27.62	27.51	27.47	26.62	27.52	25.73	27.37
7	27.65	27.52	27.58	27.57	27.78	27.62	27.51	27.42	26.55	27.43	25.63	28.17
8	27.65	27.50	27.54	27.58	27.69	27.59	27.51	27.40	26.50	27.36	25.54	28.46
9	27.57	27.52	27.54	27.59	27.63	27.58	27.52	27.38	26.80	27.31	25.45	27.83
10	27.54	27.52	27.58	27.62	27.61	27.64	27.51	27.35	27.38	27.26	25.36	27.62
11	27.53	27.51	27.69	27.59	27.60	27.63	27.50	27.32	27.43	27.21	25.29	27.54
12	27.54	27.50	27.64	27.57	27.97	27.60	27.78	27.30	27.37	27.14	25.32	27.50
13	27.53	27.49	27.59	27.57	27.98	27.58	27.86	27.41	27.34	27.28	25.45	27.45
14	27.54	27.48	27.77	27.56	27.92	27.57	27.77	27.43	27.27	27.30	25.48	27.42
15	27.54	27.48	27.75	27.56	28.11	27.56	27.62	27.40	27.25	27.24	25.50	27.42
16	27.51	27.49	27.65	27.55	27.90	27.57	27.55	27.38	27.26	27.18	25.48	27.41
17	27.49	27.50	27.66	27.54	27.76	27.56	27.52	27.36	27.31	27.13	25.45	27.48
18	27.49	27.51	27.64	27.62	27.69	27.56	27.50	27.32	27.27	27.07	25.40	27.50
19	27.48	27.57	27.59	27.62	27.67	27.54	27.48	27.32	27.26	27.00	25.34	27.44
20	27.49	27.60	27.58	27.58	27.63	27.53	27.46	27.38	27.23	26.90	25.28	27.39
21	27.47	27.55	27.57	27.56	27.63	27.62	27.45	27.37	27.26	26.81	25.21	27.36
22	27.46	27.53	27.57	27.56	27.62	27.59	27.45	27.33	27.60	26.69	25.14	27.34
23	27.45	27.52	27.57	27.55	27.60	27.56	27.45	27.32	27.61	26.59	25.09	27.32
24	27.45	27.52	27.58	27.55	27.61	27.54	27.42	27.30	27.53	26.48	25.07	27.29
25	27.45	27.52	27.59	27.64	27.64	27.54	27.41	27.27	27.46	26.40	25.17	27.28
26	27.47	27.51	27.58	27.91	28.05	27.54	27.42	27.21	27.43	26.32	25.14	27.25
27	27.48	27.52	27.58	27.97	28.19	27.54	27.46	27.14	27.41	26.36	25.07	27.78
28	27.54	27.57	27.58	27.83	27.87	27.56	27.45	27.05	27.40	26.42	25.00	28.58
29	27.80	27.66	27.57	27.71	27.75	27.55	27.42	27.07	27.42	26.39	24.93	27.87
30	27.69	27.61	27.57	27.64	---	27.57	27.42	27.07	27.48	26.34	25.10	27.66
31	27.58	---	27.57	27.62	---	27.68	---	27.05	---	26.27	27.26	---
MEAN	27.51	27.53	27.61	27.62	27.75	27.59	27.53	27.35	27.19	27.02	25.49	27.58
MAX	27.80	27.66	27.77	27.97	28.19	27.68	27.86	27.71	27.61	27.79	27.26	28.58
MIN	27.40	27.48	27.54	27.54	27.57	27.53	27.41	27.05	26.50	26.27	24.93	27.25

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

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

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	---	0.00	0.03
2	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.23	0.00	---	0.00	0.19
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
4	0.00	0.01	0.21	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
5	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
6	0.15	0.00	0.00	0.01	0.21	0.00	0.00	0.00	0.00	---	0.00	0.19
7	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	---	0.00	1.43
8	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.19	---	0.00	0.03
9	0.00	0.00	0.00	0.07	0.00	0.06	0.00	0.00	0.10	---	0.00	0.00
10	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.10	---	0.00	0.00
11	0.01	0.00	0.00	0.00	0.06	0.00	0.15	0.00	0.09	---	0.00	0.00
12	0.00	0.00	0.00	0.00	0.47	0.00	0.28	0.03	0.03	---	0.48	0.00
13	0.00	0.00	0.09	0.00	0.00	0.00	0.28	0.00	0.00	---	0.00	0.02
14	0.14	0.00	0.20	0.00	0.38	0.00	0.00	0.00	0.01	---	0.00	0.02
15	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.00
16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.10
17	0.00	0.00	0.10	0.01	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.03
18	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
19	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.01	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
24	0.00	0.02	0.06	0.00	0.03	0.00	0.00	0.00	---	0.00	0.00	0.00
25	0.00	0.00	0.00	0.25	0.25	0.00	0.00	0.00	---	0.00	0.00	0.00
26	0.00	0.00	0.00	0.06	0.45	0.00	0.05	0.00	---	0.14	0.00	0.00
27	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	---	0.09	0.00	1.33
28	0.39	0.18	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.04
29	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.20	---	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.05	0.13	0.00	---	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.23	---	0.00	---	0.00	0.03	---
TOTAL	1.00	0.42	0.86	0.57	2.07	0.47	0.90	0.63	---	---	0.52	3.41

SAVANNAH RIVER BASIN
2004 Water Year

02197000 SAVANNAH RIVER AT AUGUSTA, GA

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

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

WATER-DISCHARGE RECORDS

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

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

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 95.58 feet above National Geodetic Vertical Datum (NGVD) of 1929 (U.S. Army Corps of Engineers benchmark). From October 1, 1883 to December 31, 1891, January 1, 1896 to December 31, 1906, January 1, 1925 to September 30, 1932, a non-recording or recording gage was located at the Fifth Street Bridge at datum 102.06 feet above sea level (levels by Southeastern Engineering Co.). From October 1, 1932 to September 30, 1936, a recording gage was located at the Thirteenth Street Bridge at datum 104.56 feet above sea level (levels by U.S. Army Corps of Engineers). From October 1, 1936 to November 10, 1948, a recording gage was located at site 0.2 miles downstream from present site and at present datum.

REMARKS.—No estimated daily discharges. Records fair. Flow regulated by Thurmond Lake (see station 02194500), Hartwell Lake, Richard B. Russell Lake, and by other power plants above station. This station is operated by the USGS, South Carolina District. For more information, please check http://sc.water.usgs.gov.

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

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

STATION NUMBER 02197000 SAVANNAH RIVER AT AUGUSTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332225 LONGITUDE 0815635 NAD27 DRAINAGE AREA 7508.* CONTRIBUTING DRAINAGE AREA DATUM 96.58 NGVD29
Date Processed: 2005-02-18 07:04 By sellisor
APPROVED
DD #37, ,PUBLISHED
Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4570	5070	5610	5800	4940	7750	5970	4110	4620	5730	4710	7310
2	5030	4770	6470	9450	5040	6660	5050	4060	5380	6710	4930	7230
3	4580	4990	6640	8570	5630	5960	4380	4600	4110	5840	4390	7940
4	4650	5400	6680	5980	5050	6990	5210	5390	4160	5460	4370	12300
5	5400	4960	5730	6190	5030	7110	5480	4510	4120	4800	4770	9650
6	4990	4590	5840	5060	5100	7160	5860	4260	3990	4940	4150	8660
7	6150	5540	7100	5980	5230	8200	5360	4400	4180	5630	4240	9850
8	5850	5030	8590	9720	4820	7240	4330	4270	5300	5930	3980	11500
9	5120	4880	10000	8330	5130	7570	4250	4570	7270	6270	3920	11500
10	5670	4700	9410	5560	5600	8400	4250	5690	6110	4980	4240	11000
11	5690	4550	10400	5180	5150	8440	4170	4760	6390	4950	4840	19300
12	5010	4990	10200	5460	6080	8020	4670	4990	5450	5920	5340	18300
13	5320	4880	10300	6050	6170	7750	4330	4750	4570	6790	4220	16900
14	5770	4340	11300	6570	6630	5350	4430	5200	4440	6660	4570	18600
15	5560	4890	9550	8940	6720	10200	6540	4410	4490	7120	4320	17600
16	5550	4420	12600	7010	7280	14100	6310	4320	4640	5150	4830	15400
17	5490	5250	17800	5580	8270	14800	6160	4260	5690	4910	4530	15200
18	5500	4770	16000	5170	6160	11900	5680	4430	5820	4930	4450	15400
19	5070	4500	12300	4790	4930	7000	4910	4740	4910	5460	6080	11700
20	4920	5350	12000	5170	5150	5340	5610	4890	5060	5070	5470	9970
21	5360	5340	12300	5690	6970	4890	4750	4970	5220	5070	4800	9920
22	5470	5100	7500	4610	13200	5670	5430	4380	5090	4700	4760	7570
23	4750	4420	4180	5030	13800	6890	4700	4320	6450	4620	4800	6710
24	5150	5110	9570	4500	14500	6210	4360	4490	8830	4270	5570	6810
25	5300	6360	12900	4370	13200	5360	4450	4010	6380	4690	6840	4580
26	4540	6920	11200	4840	14800	4670	4380	4010	4760	5070	7260	4460
27	5780	5660	11300	5320	13600	5110	4410	4100	4830	4650	7530	6370
28	6000	5590	10900	6410	10300	4640	4370	4320	4750	4360	7260	9740
29	6060	4960	9100	6660	8580	5090	4420	4190	4910	4270	7000	19800
30	6580	4770	9390	6080	---	6130	4370	4120	5370	4630	6610	22800
31	5270	---	4760	5050	---	5990	---	4040	---	4580	7630	---
TOTAL	166150	152100	297620	189120	223060	226590	148590	139560	157290	164160	162410	354070
MEAN	5360	5070	9601	6101	7692	7309	4953	4502	5243	5295	5239	11800
MAX	6580	6920	17800	9720	14800	14800	6540	5690	8830	7120	7630	22800
MIN	4540	4340	4180	4370	4820	4640	4170	4010	3990	4270	3920	4460
CFSM	0.71	0.68	1.28	0.81	1.02	0.97	0.66	0.60	0.70	0.71	0.70	1.57
IN.	0.82	0.75	1.47	0.94	1.11	1.12	0.74	0.69	0.78	0.81	0.80	1.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	7047	7083	8805	10260	11680	13740	12530	9224	8127	7203	7394	6954
MAX	17740	18610	27270	30250	30600	29090	43850	27050	22830	16850	15820	14480
(WY)	1965	1996	1993	1993	1998	1952	1964	1964	1973	2003	1994	1964
MIN	2728	4017	3751	4084	4774	4687	4371	4037	4139	3627	3889	3332
(WY)	1952	1953	1953	1953	2002	2002	2000	2001	2002	1952	1952	1952

^

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	3888810		2380720			
ANNUAL MEAN	10650		6505		9157	
HIGHEST ANNUAL MEAN					16580	1964
LOWEST ANNUAL MEAN					4470	2002
HIGHEST DAILY MEAN	29700	May 24	a 22800	Sep 30	84500	Apr 10 1964
LOWEST DAILY MEAN	3470	Sep 9	3920	Aug 9	1770	Oct 18 1951
ANNUAL SEVEN-DAY MINIMUM	3980	Jan 11	4110	May 25	2090	Oct 20 1951
MAXIMUM PEAK FLOW			a 22800	Sep 30	87100	Apr 9 1964
MAXIMUM PEAK STAGE			a 17.62	Sep 30	24.16	Apr 9 1964
INSTANTANEOUS LOW FLOW			3920	Aug 9		
ANNUAL RUNOFF (CFSM)	1.42		0.866		1.22	
ANNUAL RUNOFF (INCHES)	19.27		11.80		16.57	
10 PERCENT EXCEEDS	23100		10300		17500	
50 PERCENT EXCEEDS	7610		5360		6800	
90 PERCENT EXCEEDS	4430		4360		4640	

a Stage rising, peak occurred Oct. 4, 5, 2004; maximum peak discharge, 21,200 ft3/s, Sep. 11, gage height, 16.16 ft.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1883-1951, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6988	6923	9645	13560	16950	17490	13660	8566	7962	8042	8864	7916
MAX	42170	21250	27390	40950	39560	52440	58700	20670	22700	19480	35030	47850
(WY)	1930	1949	1933	1936	1903	1929	1936	1929	1900	1906	1887	1888
MIN	2079	2614	4263	5137	4812	6298	5298	3427	3258	2811	1706	1453
(WY)	1905	1932	1884	1890	1938	1898	1896	1927	1925	1883	1925	1925

SUMMARY STATISTICS WATER YEARS 1883-1951

ANNUAL MEAN	10640		
HIGHEST ANNUAL MEAN	16500		1929
LOWEST ANNUAL MEAN	5836		1904
HIGHEST DAILY MEAN	315000	Oct 3	1929
LOWEST DAILY MEAN	1040	Oct 2	1927
ANNUAL SEVEN-DAY MINIMUM	1170	Aug 23	1925
INSTANTANEOUS PEAK FLOW	a 350000	Oct 3	1929
INSTANTANEOUS PEAK STAGE	b 46.30	Sep 27	1929
INSTANTANEOUS LOW FLOW	c 648	Sep 24	1939
ANNUAL RUNOFF (CFSM)	1.42		
ANNUAL RUNOFF (INCHES)	19.25		
10 PERCENT EXCEEDS	19900		
50 PERCENT EXCEEDS	6720		
90 PERCENT EXCEEDS	3180		

a Gage height 45.10 ft, at site and datum then in use.
b At site and datum then in use.
c From rating curve extended below 1,400 ft3/s.

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

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

DRAINAGE AREA.—1.00 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

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

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

RATING.—None.

REMARKS.—No measurements were made during inspections due to high water conditions.

SAVANNAH RIVER BASIN
2004 Water Year

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

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

DRAINAGE AREA.—3.20 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

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

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

RATING.—None.

REMARKS.—No measurements were made during inspections due to high water conditions.

2004 Water Year

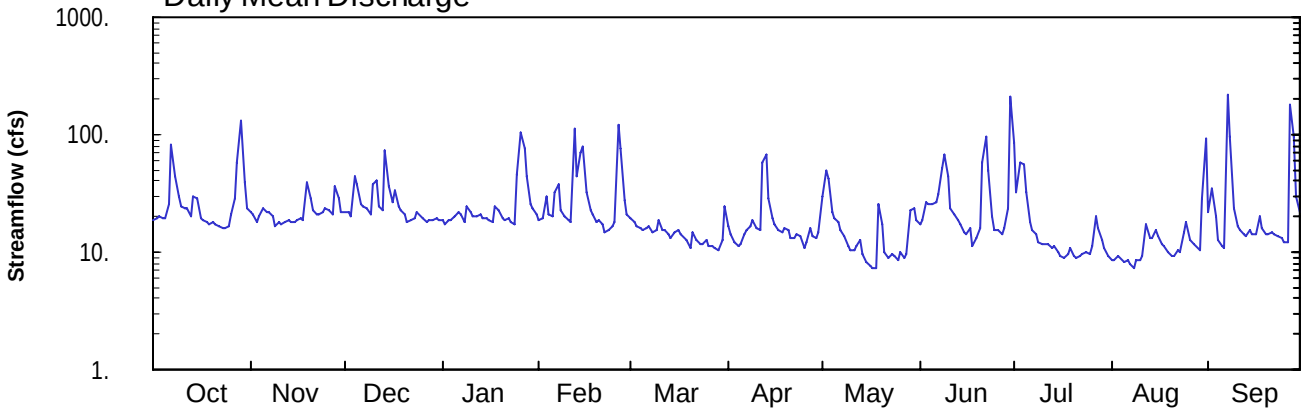
SAVANNAH RIVER BASIN

02197020 SPIRIT CREEK AT US 1, NEAR AUGUSTA, GA

Latitude: 33°22'24" Longitude: 082°08'21" Hydrologic Unit Code: 03060106

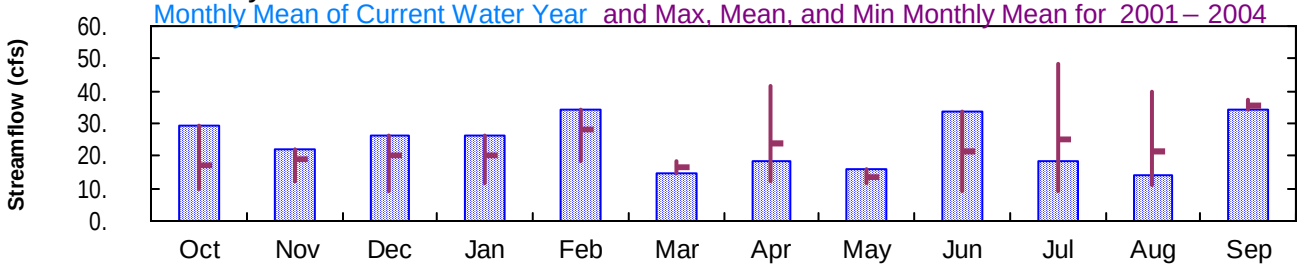
Richmond County Datum: 229.61 feet Drainage Area: 17.2 mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



SAVANNAH RIVER BASIN
2004 Water Year

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

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

DRAINAGE AREA.—10.53 square miles (revised).

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

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

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

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

WATER-STAGE RECORDS

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

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

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

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.48 feet, September 27; minimum gage-height recorded, 1.47 feet, August 8.

PRECIPITATION RECORDS

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

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	7.7	8.3	7.9	9.0	13	9.8	8.9	2.2	10	1.4	19
2	5.1	7.2	e7.8	8.0	9.6	13	8.4	13	2.0	6.8	1.3	13
3	5.0	7.0	e7.6	8.3	15	12	7.8	13	1.9	23	1.3	11
4	5.1	8.0	e19	8.4	10	11	7.4	6.2	1.9	19	1.2	8.0
5	5.2	9.0	15	8.9	9.4	11	6.5	4.8	1.8	6.8	1.1	7.1
6	5.8	8.3	10	9.7	14	11	6.5	4.1	1.7	3.8	1.0	7.1
7	21	8.1	9.1	8.3	19	11	6.6	3.6	1.7	2.7	0.98	131
8	12	8.0	8.7	8.1	11	10	6.8	3.2	3.6	2.2	0.92	56
9	9.2	8.6	8.5	11	9.5	10	7.1	3.0	23	2.3	0.99	17
10	8.3	8.3	14	10	9.3	13	6.4	2.9	13	1.8	1.3	12
11	8.9	7.8	16	8.6	9.1	10	7.0	2.9	4.4	1.7	1.3	11
12	8.9	7.8	10	8.3	59	10	29	4.1	3.0	2.4	3.9	9.3
13	7.8	7.5	9.5	8.3	21	9.5	25	8.9	2.5	10	3.9	8.2
14	9.9	6.8	27	8.1	45	9.5	12	4.3	2.6	3.0	2.9	8.5
15	e8.9	7.1	14	8.0	41	9.7	8.0	3.4	2.9	1.9	2.8	8.1
16	7.0	7.4	11	7.6	19	10	7.0	3.1	3.4	2.2	2.5	8.8
17	6.8	7.5	13	7.7	15	9.7	6.4	2.9	2.7	1.9	2.1	12
18	6.8	7.7	11	12	13	9.1	5.8	2.8	2.8	1.5	3.5	9.5
19	6.5	14	9.6	9.7	12	9.0	5.4	5.8	3.0	1.4	7.1	7.7
20	6.4	11	8.8	8.2	12	8.9	5.3	4.1	2.4	1.3	9.7	7.0
21	6.2	8.1	8.5	7.9	11	13	5.1	3.2	9.5	1.2	11	6.6
22	5.8	7.6	8.6	7.9	11	9.6	5.0	2.7	15	1.2	11	6.7
23	5.9	7.5	8.7	7.7	11	8.9	4.8	2.5	9.5	1.2	12	6.5
24	5.8	7.9	9.2	7.5	12	8.8	4.6	2.4	5.4	1.1	14	6.4
25	5.9	8.3	8.6	20	13	8.6	4.3	2.2	3.9	1.1	9.1	6.4
26	6.3	7.7	8.3	37	77	8.6	e4.5	2.1	4.3	1.3	7.1	6.7
27	6.8	7.9	8.3	26	41	8.5	6.0	2.0	3.4	5.5	6.2	97
28	12	14	8.1	19	18	8.4	4.6	2.1	3.5	3.0	5.7	64
29	27	13	8.1	12	15	8.0	4.2	3.6	6.3	2.1	5.4	12
30	11	8.9	8.4	11	---	8.7	4.8	2.9	9.7	2.0	43	8.5
31	8.3	---	7.9	9.6	---	16	---	2.4	---	1.7	56	---
TOTAL	260.8	255.7	330.6	340.7	570.9	317.5	232.1	133.1	153.0	127.1	231.69	592.1
MEAN	8.41	8.52	10.7	11.0	19.7	10.2	7.74	4.29	5.10	4.10	7.47	19.7
MAX	27	14	27	37	77	16	29	13	23	23	56	131
MIN	5.0	6.8	7.6	7.5	9.0	8.0	4.2	2.0	1.7	1.1	0.92	6.4
MED	6.8	7.9	8.8	8.3	13	9.7	6.4	3.2	3.2	2.1	3.5	8.7
AC-FT	517	507	656	676	1130	630	460	264	303	252	460	1170
CFSM	4.21	4.26	5.33	5.50	9.84	5.12	3.87	2.15	2.55	2.05	3.74	9.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	4.87	6.18	7.91	9.85	17.0	11.7	7.93	14.7	5.15	5.96	4.90	16.7
MAX	8.41	8.52	10.7	11.0	19.7	13.1	8.11	25.0	5.21	12.0	7.47	20.2
(WY)	2004	2004	2004	2004	2004	2002	2002	2002	2002	2003	2004	2002
MIN	1.54	3.83	5.16	7.72	14.3	10.2	7.74	4.29	5.10	1.75	2.33	10.2
(WY)	2002	2002	2002	2002	2002	2004	2004	2004	2004	2002	2002	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	3545.29			
ANNUAL MEAN	9.69		9.33	
HIGHEST ANNUAL MEAN			9.69	2004
LOWEST ANNUAL MEAN			8.98	2002
HIGHEST DAILY MEAN	131	Sep 7	510	May 31 2002
LOWEST DAILY MEAN	0.92	Aug 8	0.31	Aug 24 2002
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 3	0.37	Aug 8 2002
MAXIMUM PEAK FLOW	281	Sep 27	281	Sep 27 2004
MAXIMUM PEAK STAGE	5.48	Sep 27	5.94	May 31 2002
INSTANTANEOUS LOW FLOW	0.58	Aug 8	0.58	Aug 8 2004
ANNUAL RUNOFF (AC-FT)	7030		6760	
ANNUAL RUNOFF (CFSM)	4.84		4.67	
10 PERCENT EXCEEDS	15		15	
50 PERCENT EXCEEDS	8.0		5.8	
90 PERCENT EXCEEDS	2.1		1.2	

e Estimated

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

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

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.01	2.13	2.15	2.14	2.18	2.32	2.16	2.12	1.63	2.17	1.58	2.54
2	2.01	2.11	---	2.14	2.20	2.29	2.09	2.24	1.61	2.00	1.56	2.35
3	2.00	2.10	---	2.15	2.41	2.26	2.06	2.28	1.60	2.37	1.55	2.27
4	2.01	2.14	---	2.16	2.23	2.24	2.03	1.96	1.59	2.44	1.54	2.12
5	2.01	2.18	2.40	2.17	2.19	2.23	1.98	1.87	1.58	2.01	1.53	2.07
6	2.04	2.15	2.23	2.21	2.35	2.23	1.98	1.81	1.57	1.81	1.51	2.07
7	2.59	2.14	2.18	2.15	2.51	2.21	1.99	1.77	1.57	1.72	1.50	4.06
8	2.28	2.14	2.17	2.15	2.24	2.18	2.00	1.74	1.74	1.68	1.49	3.24
9	2.19	2.16	2.16	2.26	2.20	2.19	2.02	1.72	2.52	1.69	1.50	2.48
10	2.15	2.15	2.35	2.23	2.19	2.28	1.98	1.70	2.26	1.63	1.55	2.32
11	2.17	2.13	2.42	2.16	2.18	2.20	2.00	1.71	1.84	1.62	1.55	2.25
12	2.17	2.13	2.22	2.15	3.37	2.18	2.76	1.79	1.72	1.68	1.81	2.18
13	2.13	2.12	2.20	2.15	2.57	2.15	2.68	2.10	1.67	2.19	1.84	2.13
14	2.21	2.09	2.75	2.14	3.00	2.15	2.24	1.83	1.68	1.76	1.76	2.14
15	---	2.10	2.35	2.14	3.05	2.16	2.07	1.76	1.70	1.64	1.75	2.12
16	2.10	2.11	2.24	2.12	2.53	2.17	2.01	1.73	1.75	1.68	1.71	2.16
17	2.09	2.12	2.34	2.13	2.38	2.16	1.98	1.71	1.68	1.64	1.67	2.30
18	2.09	2.13	2.25	2.30	2.32	2.12	1.94	1.69	1.69	1.59	1.81	2.19
19	2.08	2.35	2.20	2.21	2.28	2.12	1.91	1.90	1.72	1.58	2.06	2.10
20	2.07	2.24	2.17	2.15	2.25	2.11	1.91	1.82	1.66	1.56	2.20	2.06
21	2.06	2.14	2.16	2.14	2.24	2.30	1.89	1.73	2.00	1.55	2.26	2.04
22	2.04	2.12	2.17	2.13	2.21	2.15	1.89	1.69	2.35	1.54	2.28	2.04
23	2.04	2.12	2.17	2.13	2.20	2.11	1.87	1.67	2.14	1.53	2.31	2.03
24	2.04	2.14	2.19	2.12	2.26	2.11	1.85	1.65	1.91	1.53	2.37	2.03
25	2.05	2.15	2.16	2.51	2.29	2.10	1.83	1.63	1.80	1.52	2.17	2.03
26	2.06	2.13	2.15	2.98	3.63	2.10	---	1.62	1.83	1.56	2.07	2.04
27	2.09	2.14	2.15	2.71	3.02	2.10	1.95	1.60	1.75	1.94	2.01	3.43
28	2.28	2.34	2.14	2.50	2.48	2.09	1.86	1.62	1.76	1.76	1.98	3.39
29	2.73	2.33	2.15	2.30	2.36	2.07	1.82	1.77	1.97	1.67	1.96	2.44
30	2.24	2.18	2.15	2.24	---	2.10	1.87	1.71	2.08	1.66	2.58	2.29
31	2.15	---	2.14	2.20	---	2.41	---	1.66	---	1.62	3.27	---
MEAN	---	2.16	---	2.24	2.46	2.18	---	1.79	1.81	1.75	1.89	2.36
MAX	---	2.35	---	2.98	3.63	2.41	---	2.28	2.52	2.44	3.27	4.06
MIN	---	2.09	---	2.12	2.18	2.07	---	1.60	1.57	1.52	1.49	2.03

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

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

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.00	0.00
2	0.00	0.00	---	0.00	0.35	0.00	0.00	0.69	0.00	0.21	0.02	0.41
3	0.00	0.00	---	0.00	0.01	0.00	0.00	0.00	0.00	0.50	0.00	0.00
4	0.00	0.03	---	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00
5	0.00	0.01	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.34	0.01	0.00	0.00	0.49	0.02	0.00	0.00	0.00	0.00	0.00	0.50
7	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	3.29
8	0.01	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.70	0.00	0.00	0.06
9	0.00	0.07	0.00	0.19	0.00	0.18	0.00	0.00	1.07	0.00	0.00	0.00
10	0.01	0.00	0.44	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.05	0.00	0.00	0.00	0.13	0.00	0.42	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.11	0.00	0.81	0.17	0.00	0.45	0.82	0.00
13	0.00	0.00	0.30	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.04
14	0.27	0.00	0.43	0.00	0.92	0.00	0.00	0.00	0.06	0.00	0.13	0.02
15	---	0.00	0.01	0.00	0.19	0.00	0.00	0.00	0.01	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.38	0.00	0.00	0.17
17	0.00	0.00	0.24	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.25
18	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
19	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	1.14	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.42	0.00	0.01	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.00	0.00
24	0.00	0.03	0.03	0.00	0.12	0.00	0.00	0.00	0.01	0.00	0.62	0.00
25	0.00	0.00	0.00	0.64	0.60	0.00	0.00	0.00	0.09	0.00	0.00	0.00
26	0.00	0.00	0.00	0.03	1.13	0.00	---	0.00	0.00	0.20	0.00	0.00
27	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.10	0.30	0.00	3.85
28	0.88	0.35	0.00	0.01	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.10
29	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.09	0.00	0.00	0.00
30	0.00	0.00	0.02	0.00	---	0.16	0.33	0.00	0.70	0.00	4.26	0.00
31	0.00	---	0.00	0.00	---	0.43	---	0.00	---	0.00	0.69	---
TOTAL	---	0.94	---	1.31	5.09	1.19	---	1.68	5.47	1.95	6.55	8.69

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

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

DRAINAGE AREA.—13.0 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

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

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

RATING.—None.

REMARKS.—No measurements were made during inspections due to high water conditions.

SAVANNAH RIVER BASIN
2004 Water Year

02197190 McBEAN CREEK AT US 25, NEAR McBEAN, GA

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

DRAINAGE AREA.—41.4 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1963 to current year.

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

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

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

MAXIMUM FOR CURRENT YEAR.--
STAGE: 4.00 feet, September 27
DISCHARGE: 234 cfs, September 27

02197560 SANDY RUN CREEK NEAR BLYTHE, GA

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

DRAINAGE AREA.—33.2 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

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

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

RATING.—None.

REMARKS.—No measurements were made during inspections due to high water conditions.

2004 Water Year

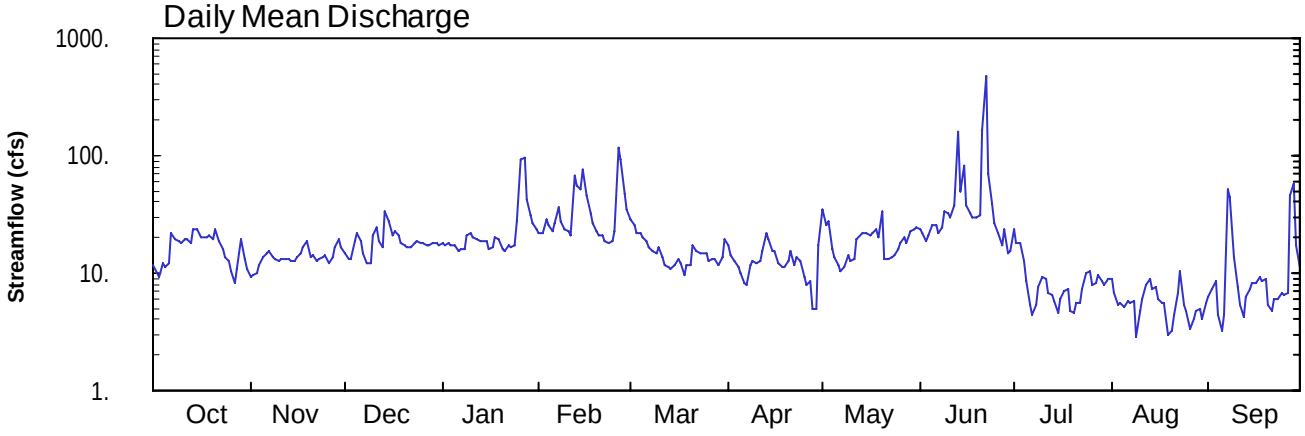
SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, GA

Latitude: 33°10'37" Longitude: 082°18'21" Hydrologic Unit Code: 03060108

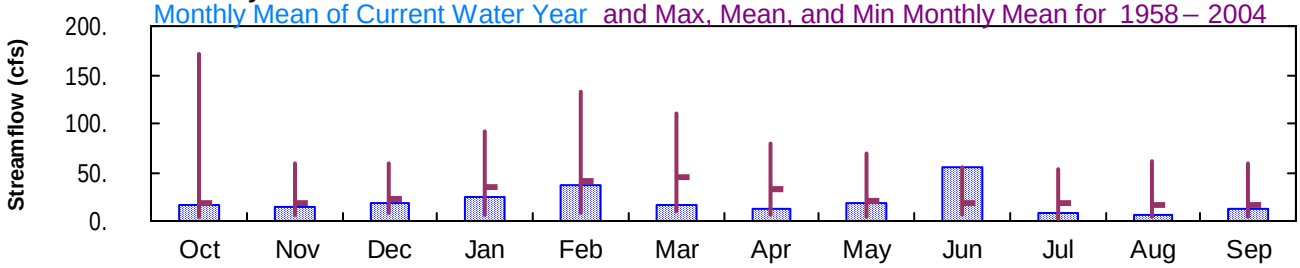
Jefferson County Datum: 282.56 feet Drainage Area: 28. mi²

Daily Mean Discharge

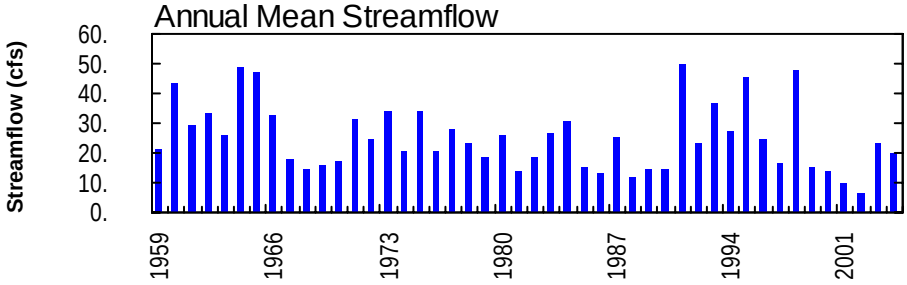


Monthly Statistics

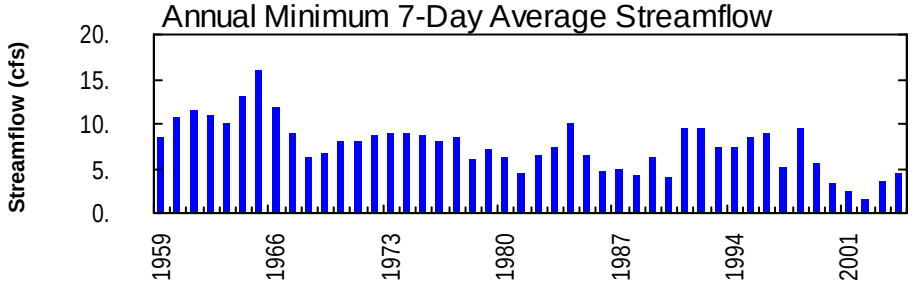
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1958 – 2004



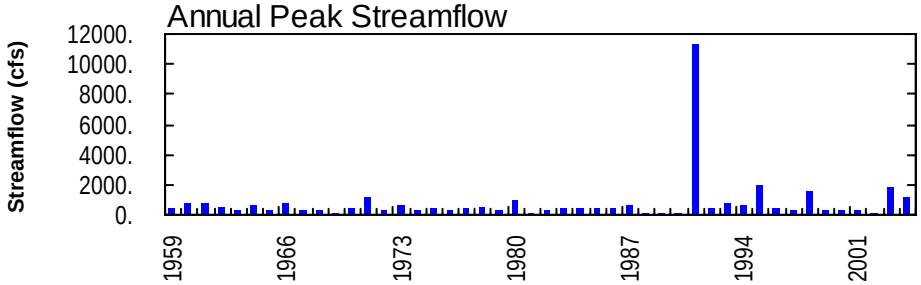
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02197600 BRUSHY CREEK NEAR WRENS, GA

LOCATION.—Lat 33°10'37", long 82°18'21", referenced to North American Datum (NAD) of 1927, Jefferson County, Hydrologic Unit 03060108, at right bank on downstream side of bridge on GA 80, 5.0 miles southeast of Wrens, and 5.5 miles upstream from Little Brushy Creek.

DRAINAGE AREA.—28.0 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1958 to current year.

GAGE.—Water-stage recorder. Datum of gage is 282.56 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by the Georgia Department of Transportation).

REMARKS.—Records poor. Discharge affected by beaver dams downstream of the gage. Moderate diurnal fluctuation occurs at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 300 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
06/22	0445	1,180*	8.11*

No other peaks above base discharge

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1958 to current year.

GAGE.—Water-stage recorder. Datum of gage is 282.56 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by the Georgia Department of Transportation).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.11 feet, June 22; minimum gage-height recorded, 3.45 feet, October 2.

02197600 BRUSHY CREEK NEAR WRENS, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 5, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02197600 BRUSHY CREEK NEAR WRENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 163
LATITUDE 331037 LONGITUDE 0821821 NAD27 DRAINAGE AREA 28.00* CONTRIBUTING DRAINAGE AREA DATUM 282.56 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	9.2	15	18	22	29	17	34	23	24	8.8	6.2
2	9.9	9.5	13	17	21	25	14	26	22	18	6.7	7.3
3	9.3	10	13	18	29	22	13	27	19	18	5.3	8.6
4	12	12	19	17	26	22	11	16	21	13	5.6	4.4
5	11	14	22	18	23	20	10	14	25	8.4	5.2	3.2
6	12	15	19	15	27	18	8.3	12	25	5.4	5.9	4.4
7	22	15	15	16	36	17	8.0	10	22	4.4	5.7	52
8	20	14	12	16	28	16	11	11	25	5.4	5.7	43
9	19	13	12	21	23	15	13	14	34	7.5	2.9	14
10	18	13	21	22	23	17	12	13	32	9.3	4.8	7.7
11	19	13	24	20	21	14	12	13	30	8.9	6.0	5.3
12	19	13	19	19	68	12	15	19	e37	6.9	8.0	4.2
13	18	13	16	19	56	11	22	21	158	6.6	9.0	6.2
14	24	13	34	19	53	11	19	22	49	5.7	7.3	7.4
15	24	13	28	18	77	12	15	22	81	4.5	7.5	8.2
16	20	14	21	16	45	13	16	21	38	5.9	5.9	8.2
17	20	15	23	16	32	12	12	22	33	7.1	5.6	9.1
18	21	16	21	20	26	9.5	11	23	30	7.4	5.6	8.7
19	21	19	18	19	23	12	11	21	30	4.7	3.0	8.9
20	20	14	17	16	21	11	13	34	32	4.5	3.2	5.4
21	23	14	17	15	21	17	15	13	168	5.6	4.5	4.7
22	19	12	16	17	19	15	12	13	483	5.5	6.9	6.1
23	16	13	18	17	18	15	14	13	71	7.4	10	6.1
24	13	14	19	17	18	14	13	14	40	9.9	5.4	6.7
25	13	14	18	27	22	15	9.4	16	26	10	4.7	6.5
26	10	12	18	93	115	13	7.8	18	22	8.1	3.4	6.9
27	8.2	14	17	95	94	13	e8.6	20	17	8.2	4.1	45
28	11	16	17	43	48	13	5.0	18	24	9.5	4.7	59
29	19	19	18	31	34	12	5.0	23	15	8.4	4.9	17
30	13	17	18	27	---	13	17	24	15	7.8	4.0	11
31	11	---	17	24	---	19	---	25	---	8.8	5.6	---
TOTAL	507.4	412.7	575	766	1069	477.5	370.1	592	1647	264.8	175.9	391.4
MEAN	16.4	13.8	18.5	24.7	36.9	15.4	12.3	19.1	54.9	8.54	5.67	13.0
MAX	24	19	34	95	115	29	22	34	483	24	10	59
MIN	8.2	9.2	12	15	18	9.5	5.0	10	15	4.4	2.9	3.2
CFSM	0.58	0.49	0.66	0.88	1.32	0.55	0.44	0.68	1.96	0.31	0.20	0.47
IN.	0.67	0.55	0.76	1.02	1.42	0.63	0.49	0.79	2.19	0.35	0.23	0.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	19.4	18.2	22.4	34.0	41.5	44.9	31.9	21.4	18.9	17.4	17.2	15.4
MAX	171	58.6	60.2	92.7	133	110	78.8	69.2	54.9	53.1	61.5	59.6
(WY)	1991	1993	1965	1995	1995	1980	1962	1964	2004	1964	1964	1998
MIN	3.56	7.13	7.60	6.47	9.06	11.2	7.13	4.92	6.01	2.82	3.09	3.76
(WY)	2002	2003	2002	2002	2002	2002	2002	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	9381.0		7248.8			
ANNUAL MEAN	25.7		19.8		25.1	
HIGHEST ANNUAL MEAN					50.1	1991
LOWEST ANNUAL MEAN					6.54	2002
HIGHEST DAILY MEAN	692	May 19	483	Jun 22	3800	Oct 12 1990
LOWEST DAILY MEAN	5.7	Sep 15	2.9	Aug 9	1.5	Jul 20 2002
ANNUAL SEVEN-DAY MINIMUM	8.1	Sep 14	4.5	Aug 24	1.6	Jul 16 2002
MAXIMUM PEAK FLOW			1120	Jun 22	11400	Oct 12 1990
MAXIMUM PEAK STAGE			8.04	Jun 22	14.02	Oct 12 1990
ANNUAL RUNOFF (CFSM)	0.918		0.707		0.897	
ANNUAL RUNOFF (INCHES)	12.46		9.63		12.18	
10 PERCENT EXCEEDS	37		30		45	
50 PERCENT EXCEEDS	18		15		16	
90 PERCENT EXCEEDS	10		5.7		7.8	

e Estimated

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

STATION NUMBER 02197600 BRUSHY CREEK NEAR WRENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 163
LATITUDE 331037 LONGITUDE 0821821 NAD27 DRAINAGE AREA 28.00* CONTRIBUTING DRAINAGE AREA DATUM 282.56 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.71	4.76	4.09	4.19	4.31	4.48	4.17	4.94	4.34	4.70	4.85	4.95
2	3.65	4.77	4.05	4.17	4.29	4.39	4.07	4.68	4.31	4.57	4.78	4.99
3	3.63	4.79	4.04	4.20	4.47	4.31	4.02	4.68	4.21	4.61	4.72	5.04
4	3.74	4.85	4.22	4.18	4.40	4.31	3.98	4.34	4.28	4.48	4.74	4.86
5	3.70	4.92	4.30	4.18	4.34	4.25	3.94	4.21	4.39	4.36	4.73	4.78
6	3.74	4.96	4.21	4.11	4.43	4.21	3.86	4.10	4.39	4.26	4.77	4.86
7	4.04	4.97	4.10	4.13	4.65	4.16	3.85	4.00	4.29	4.23	4.76	5.73
8	3.97	4.92	4.01	4.14	4.45	4.12	3.98	3.98	4.38	4.34	4.77	5.74
9	3.95	4.91	4.00	4.28	4.34	4.10	4.02	4.07	4.59	4.47	4.60	5.23
10	3.93	4.88	4.26	4.30	4.33	4.16	4.00	4.03	4.54	4.58	4.74	5.01
11	3.96	4.89	4.37	4.25	4.28	4.07	4.02	4.03	4.50	4.60	4.81	4.91
12	3.96	4.91	4.22	4.23	5.12	3.99	4.11	4.23	---	4.56	4.90	4.85
13	3.93	4.90	4.15	4.22	5.00	3.97	4.31	4.29	5.83	4.59	4.94	4.95
14	4.09	4.88	4.58	4.22	4.92	3.96	4.24	4.30	4.85	4.58	4.88	5.00
15	4.08	4.89	4.45	4.21	5.32	3.99	4.12	4.30	5.28	4.55	4.90	5.03
16	3.98	4.92	4.27	4.14	4.81	4.04	4.12	4.28	4.67	4.63	4.84	5.03
17	3.98	4.96	4.33	4.15	4.54	4.00	4.01	4.32	4.57	4.69	4.83	5.06
18	4.00	5.01	4.29	4.25	4.42	3.91	3.98	4.34	4.51	4.71	4.83	5.05
19	4.00	4.77	4.19	4.23	4.34	3.99	3.96	4.25	4.50	4.57	4.69	5.05
20	3.98	4.22	4.17	4.14	4.29	3.98	3.55	4.58	4.54	4.58	4.71	4.90
21	4.20	4.10	4.15	4.12	4.27	4.16	3.70	4.03	5.20	4.65	4.80	4.88
22	4.22	4.02	4.15	4.17	4.22	4.11	3.72	4.04	6.87	4.65	4.90	4.94
23	4.29	4.05	4.20	4.15	4.20	4.10	3.91	4.05	5.28	4.74	5.05	4.94
24	4.36	4.06	4.22	4.17	4.21	4.09	4.02	4.08	4.79	4.85	4.87	4.97
25	4.49	4.07	4.19	4.43	4.31	4.09	4.03	4.13	4.53	4.87	4.83	4.96
26	4.55	4.01	4.20	5.30	5.65	4.03	4.10	4.20	4.46	4.78	4.76	4.98
27	4.62	4.06	4.17	5.48	5.49	4.04	---	4.25	4.36	4.80	4.81	5.61
28	4.81	4.14	4.18	4.77	4.86	4.04	4.09	4.19	4.58	4.85	4.86	5.88
29	5.09	4.23	4.19	4.52	4.60	3.99	4.09	4.33	4.36	4.82	4.88	5.34
30	4.91	4.16	4.20	4.42	---	4.05	4.38	4.36	4.41	4.80	4.83	5.14
31	4.82	---	4.17	4.35	---	4.24	---	4.38	---	4.85	4.92	---
MEAN	4.14	4.60	4.20	4.32	4.58	4.11	---	4.26	---	4.62	4.82	5.09
MAX	5.09	5.01	4.58	5.48	5.65	4.48	---	4.94	---	4.87	5.05	5.88
MIN	3.63	4.01	4.00	4.11	4.20	3.91	---	3.98	---	4.23	4.60	4.78

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

STATION NUMBER 02197600 BRUSHY CREEK NEAR WRENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 163
LATITUDE 331037 LONGITUDE 0821821 NAD27 DRAINAGE AREA 28.00* CONTRIBUTING DRAINAGE AREA DATUM 282.56 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.01
2	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.78	0.00	0.05	0.00	0.34
3	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.01	0.00
4	0.00	0.06	0.39	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
5	0.00	0.15	0.01	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.64	0.01	0.00	0.00	0.51	0.04	0.00	0.00	0.00	0.00	0.00	0.44
7	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98
8	0.01	0.00	0.00	0.07	0.00	0.00	0.06	0.00	0.40	0.00	0.00	0.04
9	0.00	0.03	0.00	0.22	0.00	0.11	0.00	0.00	0.12	0.00	0.00	0.00
10	0.00	0.00	0.61	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.01	0.00	0.00	0.00	0.18	0.00	0.05	0.17	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.18	0.00	0.04	0.15	3.50	0.00	0.83	0.00
13	0.00	0.00	0.16	0.00	0.00	0.00	0.45	0.00	0.05	0.00	0.01	0.05
14	0.42	0.00	0.59	0.00	0.98	0.00	0.00	0.00	0.68	0.00	0.43	0.02
15	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.12	0.00	0.01	0.00
16	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.15	0.00	0.00	0.05
17	0.00	0.00	0.29	0.05	0.01	0.00	0.00	0.00	0.00	0.16	0.14	0.09
18	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.11	0.64	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	5.17	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	1.31	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
24	0.00	0.08	0.07	0.00	0.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	0.52	1.17	0.00	0.00	0.00	0.12	0.00	0.00	0.00
26	0.00	0.00	0.00	2.23	0.93	0.00	0.63	0.00	0.00	0.07	0.00	0.00
27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.51	0.03	0.00	3.44
28	1.26	0.28	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.05
29	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.07	0.02	0.00	0.00
30	0.01	0.00	0.04	0.00	---	0.18	2.37	0.00	0.50	0.00	1.10	0.00
31	0.00	---	0.00	0.00	---	0.24	---	0.06	---	0.00	0.39	---
TOTAL	2.59	1.24	2.19	3.27	5.49	0.88	3.60	1.61	12.60	0.78	4.23	7.51

2004 Water Year

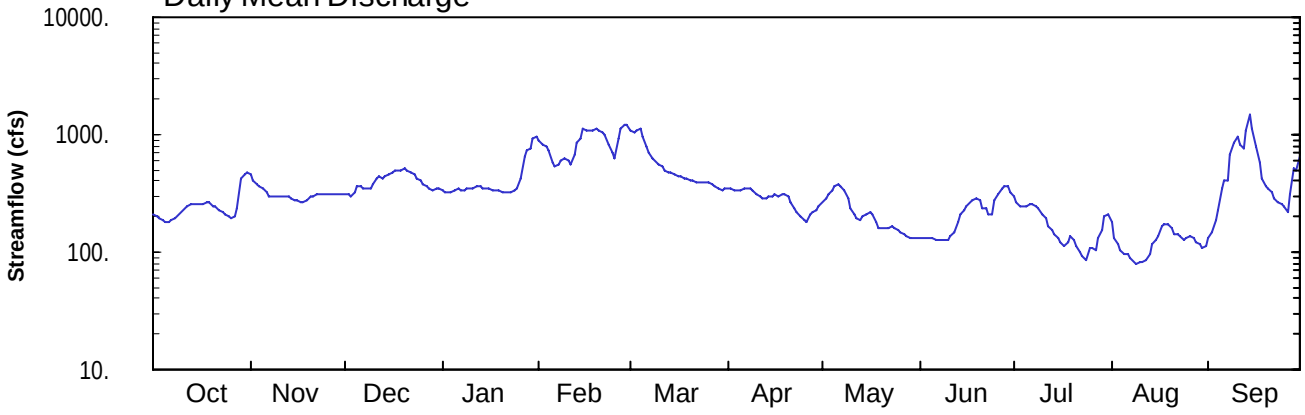
SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA

Latitude: 32°56'00" Longitude: 081°39'05" Hydrologic Unit Code: 03060108

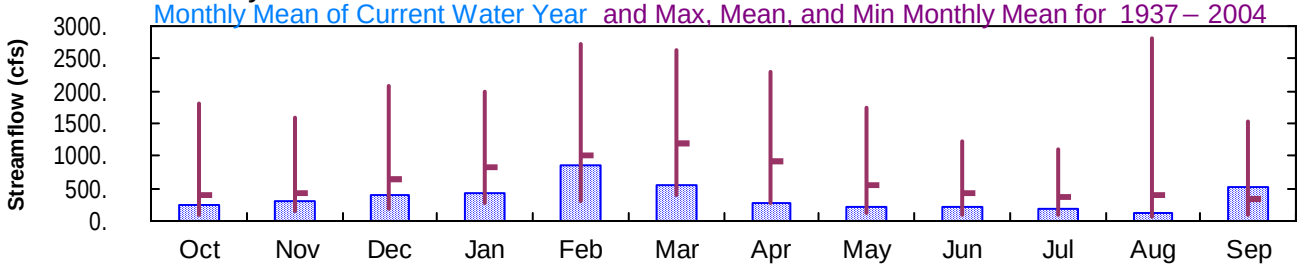
Screven County Datum: 95.88 feet Drainage Area: 646. mi²

Daily Mean Discharge

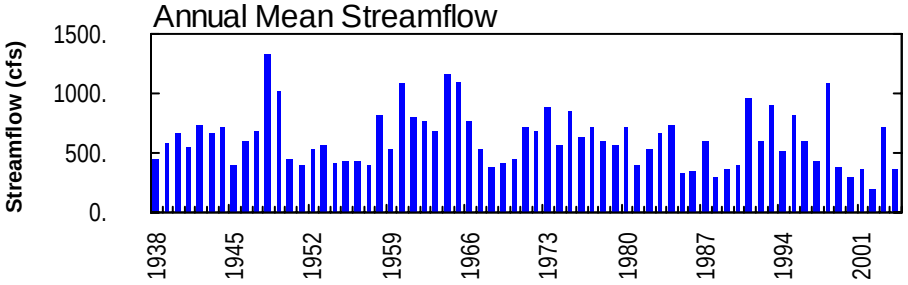


Monthly Statistics

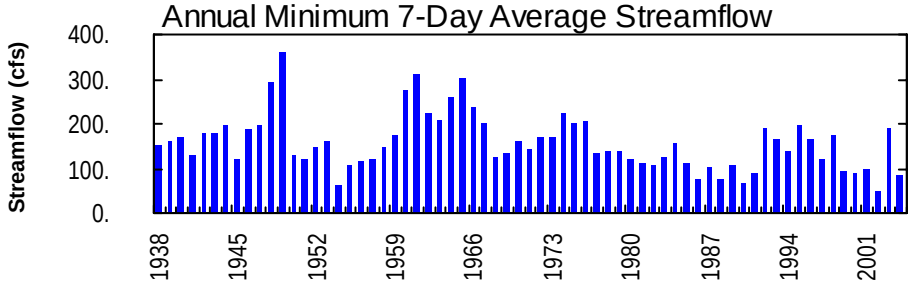
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



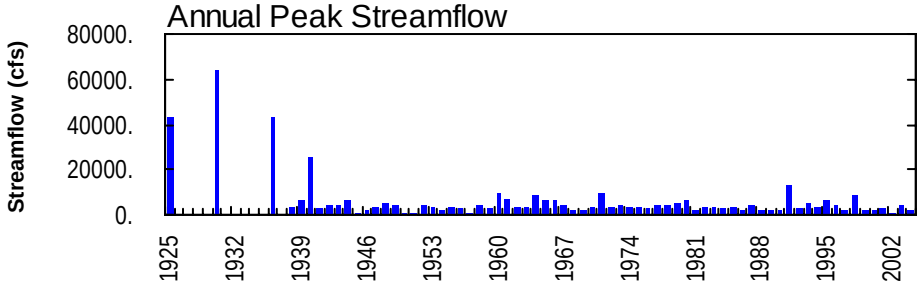
Annual Mean Streamflow

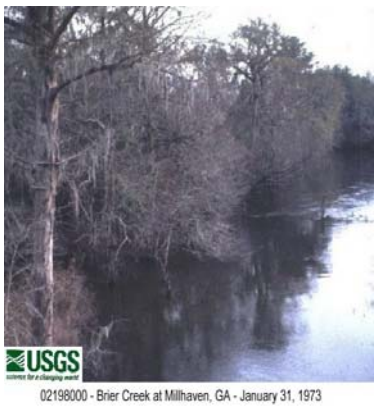


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02198000 - Brier Creek at Millhaven, GA - January 31, 1973

SAVANNAH RIVER BASIN
2004 Water Year

02198000 BRIER CREEK AT MILLHAVEN, GA

LOCATION.—Lat 32°56'00", long 81°39'05", referenced to North American Datum (NAD) of 1927, Screven County, Hydrologic Unit 03060108, near right bank on downstream side of pier of Girard-Millhaven Road bridge at Millhaven, 8.5 miles upstream from Beaverdam Creek.

DRAINAGE AREA.—646 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1936 to current year. Monthly discharges only for October 1936 to April 1937, published in WSP 1303.

REVISED RECORDS.—WSP 1383: Drainage area. WSP 1503: 1956.

GAGE.—Water-stage recorder. Datum of gage is 95.88 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 7, 1950, a non-recording gage was located at a site 200.00 feet downstream at same datum. From June 7, 1950 to April 30, 1951, a non-recording gage was located at present site and datum.

REMARKS.—Records good, except for periods of estimated discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1797, 25.1 feet in September or October 1929, from information provided by the Georgia Department of Transportation; discharge, 64,000 cfs, by slope-conveyance study.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/14	0345	1,600*	7.58*

02198000 BRIER CREEK AT MILLHAVEN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1936 to current year. Monthly discharges only for October 1936 to April 1937, published in WSP 1303.

REVISED RECORDS.—WSP 1383: Drainage area. WSP 1503: 1956.

GAGE.—Water-stage recorder. Datum of gage is 95.88 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 7, 1950, a non-recording gage was located at a site 200.00 feet downstream at same datum. From June 7, 1950 to April 30, 1951, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURENT YEAR.—Maximum gage-height recorded, 7.58 feet, September 14; minimum gage-height recorded, 0.03 feet, August 9.

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

STATION NUMBER 02198000 BRIER CREEK AT MILLHAVEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 325600 LONGITUDE 0813905 NAD27 DRAINAGE AREA 646 CONTRIBUTING DRAINAGE AREA 646* DATUM 95.88 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	213	463	315	333	903	1090	348	e270	e129	e303	181	130
2	204	406	306	327	833	1030	346	e290	e129	e267	132	150
3	194	381	299	326	797	1080	340	e308	e130	e249	115	187
4	186	367	324	328	721	1130	337	e338	e129	e246	104	231
5	180	345	358	333	590	976	341	e366	e129	e246	95	345
6	179	321	361	350	538	801	347	e382	e128	e251	94	405
7	186	303	354	336	566	694	348	e368	e128	e253	89	414
8	197	297	344	336	612	616	342	e329	e128	e249	83	668
9	208	294	345	342	636	573	329	e282	e125	e239	80	869
10	218	294	373	347	612	562	309	e240	e126	e211	81	961
11	233	296	426	351	567	530	296	e209	e136	e193	82	835
12	247	298	433	359	688	503	287	e191	e148	e163	84	747
13	252	298	425	356	850	485	288	e186	e178	e151	96	1100
14	256	290	441	349	916	476	299	e198	e206	e142	116	1500
15	255	280	465	350	1120	458	304	e208	e226	e134	128	1120
16	252	274	483	347	1080	444	307	e217	e248	120	136	803
17	260	269	497	341	1090	434	303	e209	e265	114	164	580
18	264	267	491	338	1100	425	310	e178	e279	120	171	429
19	261	277	492	335	1140	418	311	e161	e287	136	171	366
20	250	301	511	328	1090	409	294	e159	e275	124	159	348
21	241	303	502	324	1050	403	267	e161	e239	113	144	319
22	231	307	481	321	992	394	240	e162	e238	101	144	286
23	218	306	456	321	828	389	215	e163	e207	91	136	265
24	208	311	430	329	692	390	199	e161	e212	87	129	253
25	200	316	402	354	630	390	190	e154	e271	106	131	241
26	197	316	376	423	936	391	183	e147	e313	107	135	219
27	199	316	361	659	1130	383	e208	e142	e345	102	133	306
28	234	310	350	721	1190	366	e216	e138	e367	133	124	525
29	425	313	340	763	1240	347	e229	e133	e360	152	116	502
30	454	314	349	938	---	336	e245	e130	e328	203	108	641
31	478	---	347	968	---	344	---	e129	---	208	112	---
TOTAL	7580	9433	12437	12933	25137	17267	8578	6709	6409	5314	3773	15745
MEAN	245	314	401	417	867	557	286	216	214	171	122	525
MAX	478	463	511	968	1240	1130	348	382	367	303	181	1500
MIN	179	267	299	321	538	336	183	129	125	87	80	130
CFSM	0.38	0.49	0.62	0.65	1.34	0.86	0.44	0.34	0.33	0.27	0.19	0.81
IN.	0.44	0.54	0.72	0.74	1.45	0.99	0.49	0.39	0.37	0.31	0.22	0.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	395	428	631	838	999	1186	916	536	415	370	395	342
MAX	1814	1580	2091	1990	2709	2635	2304	1759	1211	1103	2817	1544
(WY)	1991	1948	1949	1993	1960	1948	1961	1964	1973	1941	1940	1964
MIN	103	141	193	284	304	410	286	125	88.0	87.0	69.1	102
(WY)	2002	2002	2002	2002	1989	2002	2004	2002	2002	2002	2002	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	256931		131315			
ANNUAL MEAN	704		359		618	
HIGHEST ANNUAL MEAN					1339	1948
LOWEST ANNUAL MEAN					195	2002
HIGHEST DAILY MEAN	3690	Apr 12	1500	Sep 14	22100	Aug 16 1940
LOWEST DAILY MEAN	179	Oct 6	80	Aug 9	45	Aug 17 2002
ANNUAL SEVEN-DAY MINIMUM	189	Oct 2	85	Aug 6	48	Aug 11 2002
MAXIMUM PEAK FLOW			1600	Sep 14	25400	Aug 16 1940
MAXIMUM PEAK STAGE			7.58	Sep 14	17.40	Aug 16 1940
INSTANTANEOUS LOW FLOW			85	Aug 9	62	Jul 9 1990
ANNUAL RUNOFF (CFSM)	1.09		0.555		0.957	
ANNUAL RUNOFF (INCHES)	14.80		7.56		13.00	
10 PERCENT EXCEEDS	1310		721		1240	
50 PERCENT EXCEEDS	518		306		442	
90 PERCENT EXCEEDS	252		129		181	

e Estimated

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

STATION NUMBER 02198000 BRIER CREEK AT MILLHAVEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 325600 LONGITUDE 0813905 NAD27 DRAINAGE AREA 646 CONTRIBUTING DRAINAGE AREA 646* DATUM 95.88 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.86	3.90	2.89	3.05	5.75	6.34	3.20	---	---	---	1.57	0.89
2	1.75	3.55	2.81	3.00	5.50	6.18	3.18	---	---	---	0.93	1.16
3	1.64	3.39	2.74	2.99	5.36	6.32	3.14	---	---	---	0.67	1.62
4	1.55	3.29	2.96	3.01	5.06	6.46	3.12	---	---	---	0.49	2.09
5	1.47	3.13	3.22	3.04	4.56	6.02	3.15	---	---	---	0.34	3.14
6	1.45	2.95	3.24	3.17	4.31	5.42	3.20	---	---	---	0.33	3.60
7	1.54	2.79	3.20	3.07	4.45	5.01	3.21	---	---	---	0.22	3.64
8	1.67	2.72	3.12	3.07	4.67	4.73	3.16	---	---	---	0.12	5.00
9	1.81	2.70	3.13	3.12	4.76	4.53	3.06	---	---	---	0.06	5.75
10	1.91	2.70	3.33	3.15	4.66	4.48	2.88	---	---	---	0.07	6.03
11	2.09	2.71	3.69	3.17	4.45	4.32	2.76	---	---	---	0.10	5.58
12	2.23	2.73	3.73	3.23	4.93	4.18	2.68	---	---	---	0.15	5.22
13	2.29	2.73	3.68	3.21	5.57	4.07	2.69	---	---	---	0.36	6.29
14	2.32	2.66	3.78	3.17	5.79	4.03	2.79	---	---	---	0.69	7.38
15	2.31	2.56	3.92	3.17	6.42	3.93	2.84	---	---	---	0.88	6.43
16	2.28	2.50	4.02	3.15	6.31	3.85	2.87	---	---	0.95	0.99	5.38
17	2.36	2.46	4.10	3.11	6.32	3.79	2.83	---	---	0.86	1.37	4.48
18	2.40	2.43	4.06	3.09	6.36	3.73	2.89	---	---	0.95	1.45	3.63
19	2.37	2.53	4.07	3.06	6.48	3.68	2.91	---	---	1.17	1.45	3.19
20	2.26	2.76	4.17	3.01	6.34	3.63	2.75	---	---	1.02	1.31	3.06
21	2.17	2.78	4.12	2.97	6.22	3.59	2.49	---	---	0.85	1.11	2.83
22	2.06	2.82	4.01	2.94	6.04	3.53	2.25	---	---	0.64	1.11	2.56
23	1.92	2.81	3.87	2.95	5.48	3.49	2.02	---	---	0.46	1.00	2.35
24	1.80	2.85	3.71	3.02	4.95	3.50	1.86	---	---	0.38	0.89	2.23
25	1.72	2.90	3.53	3.20	4.74	3.50	1.77	---	---	0.71	0.92	2.11
26	1.67	2.90	3.35	3.65	5.83	3.51	1.70	---	---	0.70	0.98	1.86
27	1.70	2.90	3.25	4.83	6.46	3.45	---	---	---	0.59	0.95	2.63
28	2.08	2.85	3.17	5.06	6.63	3.33	---	---	---	1.02	0.81	4.20
29	3.68	2.87	3.10	5.23	6.75	3.19	---	---	---	1.25	0.69	4.07
30	3.86	2.89	3.16	5.87	---	3.10	---	---	---	1.84	0.56	4.73
31	3.99	---	3.15	5.97	---	3.16	---	---	---	1.89	0.63	---
MEAN	2.14	2.86	3.49	3.48	5.56	4.26	---	---	---	---	0.75	3.77
MAX	3.99	3.90	4.17	5.97	6.75	6.46	---	---	---	---	1.57	7.38
MIN	1.45	2.43	2.74	2.94	4.31	3.10	---	---	---	---	0.06	0.89

CAL YR 2003 MEAN 4.51 MAX 10.44 MIN 1.45

2004 Water Year

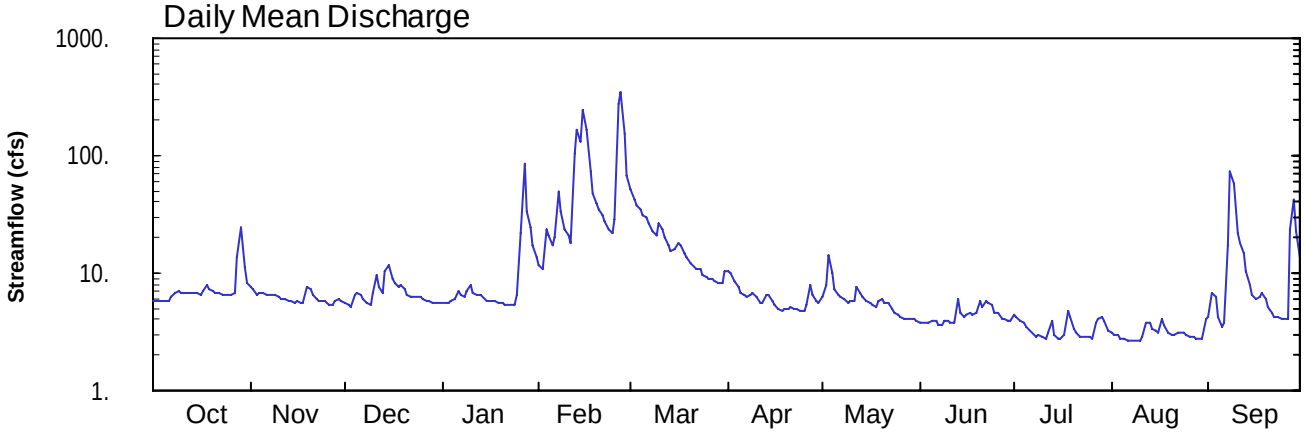
SAVANNAH RIVER BASIN

02198100 BEAVERDAM CREEK NEAR SARDIS, GA

Latitude: 32°56'15" Longitude: 081°48'56" Hydrologic Unit Code: 03060108

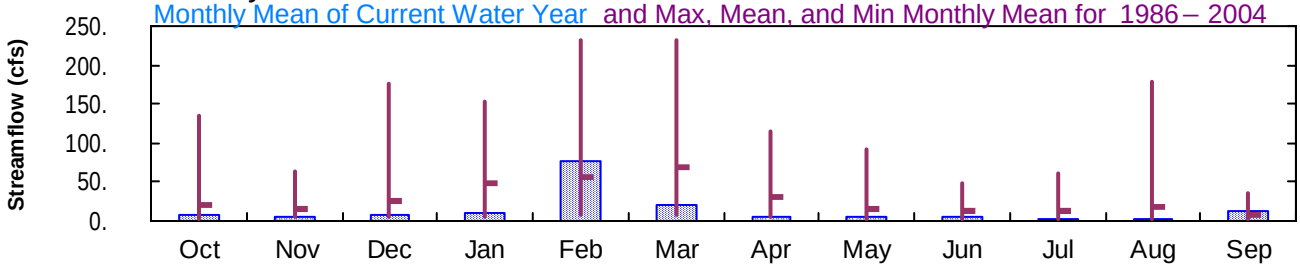
Burke County Datum: 186.48 feet Drainage Area: 30.8 mi^2

Daily Mean Discharge

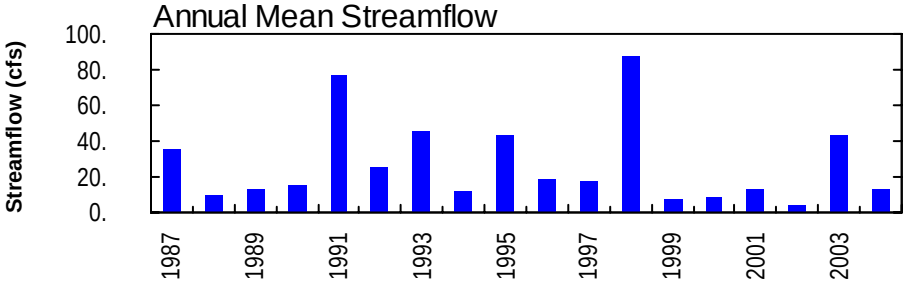


Monthly Statistics

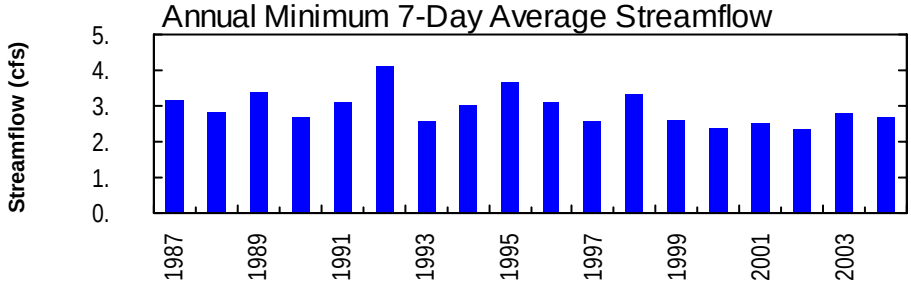
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1986 – 2004



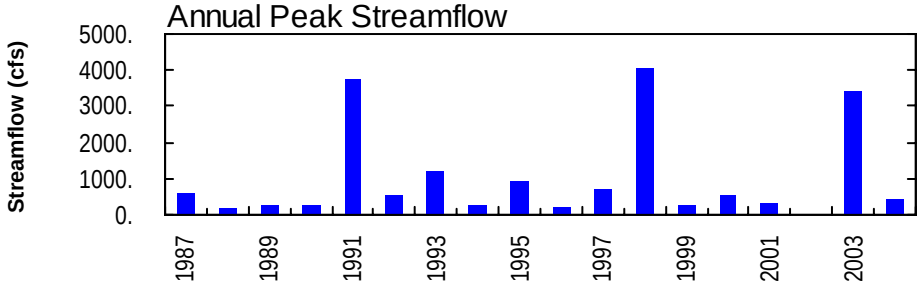
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02198100 Beaverdam Creek near Sardis, GA
September 4, 1991

SAVANNAH RIVER BASIN
2004 Water Year

02198100 BEAVERDAM CREEK NEAR SARDIS, GA

LOCATION.—Lat 32°56'15", long 81°48'56", referenced to North American Datum (NAD) of 1927, Burke-Jenkins County line, Hydrologic Unit 03060108, at downstream side of bridge on GA 23, 0.8 miles downstream from Slough Branch, and 4.2 miles southwest of Sardis.

DRAINAGE AREA.—30.8 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1986 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 186.48 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

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

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/26	2100	447*	6.21*

No other peaks above base discharge

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1986 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 186.48 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.21 feet, February 26; minimum gage-height recorded, 1.11 feet, August 6-9, 29.

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

STATION NUMBER 02198100 BEAVERDAM CREEK NEAR SARDIS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 325615 LONGITUDE 0814856 NAD27 DRAINAGE AREA 30.80* CONTRIBUTING DRAINAGE AREA DATUM 186.48 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	7.5	5.5	5.6	12	51	10	6.2	3.8	4.5	3.0	4.3
2	5.8	7.2	5.3	5.6	11	43	10	8.1	3.8	4.2	3.0	6.9
3	5.7	6.5	5.2	5.6	e24	38	8.6	14	3.7	4.0	2.9	6.2
4	5.7	6.7	6.5	5.7	e21	34	7.6	9.8	3.8	3.8	2.8	4.2
5	5.7	6.7	6.9	6.0	17	31	6.8	7.4	3.9	3.4	2.7	3.5
6	5.7	6.5	6.4	7.0	20	29	6.4	6.5	3.8	3.2	2.6	3.8
7	6.3	6.5	5.9	6.5	50	27	6.2	6.2	3.7	3.1	2.6	17
8	6.9	6.5	5.6	6.1	33	23	6.4	6.1	3.6	2.9	2.6	74
9	7.0	6.6	5.4	7.0	24	21	6.7	5.6	3.9	3.0	2.6	57
10	6.7	6.2	6.9	7.8	21	27	6.2	5.7	4.0	2.9	2.6	22
11	6.8	6.0	9.5	6.8	18	24	5.7	5.8	3.8	2.8	2.9	18
12	6.8	6.0	7.7	6.6	102	20	5.5	7.5	3.8	3.1	3.7	15
13	6.7	5.9	6.7	6.5	167	17	6.6	6.9	6.0	3.9	3.8	10
14	6.8	5.8	10	6.2	132	16	6.5	6.2	4.5	3.0	3.4	7.9
15	6.8	5.6	12	5.8	242	16	5.7	5.8	4.2	e2.8	3.2	6.6
16	6.6	5.7	8.8	5.8	163	18	5.3	5.6	4.3	2.8	3.1	6.1
17	7.0	5.7	8.1	5.7	72	17	5.0	5.4	4.6	2.9	4.1	6.4
18	7.9	5.6	7.7	5.7	48	15	4.9	5.2	4.3	4.9	3.6	6.7
19	7.2	7.5	8.0	5.7	40	14	5.0	5.8	4.6	4.2	3.1	5.9
20	6.9	7.3	7.2	5.5	35	12	5.0	6.0	5.7	3.3	3.0	5.1
21	6.8	6.5	6.4	5.3	31	12	5.1	5.6	5.1	3.1	3.0	4.6
22	6.6	6.1	6.2	5.3	28	11	4.9	5.5	5.7	2.9	3.1	4.3
23	6.5	5.8	6.2	5.3	23	11	4.9	e4.9	5.6	2.9	3.2	4.2
24	6.4	5.8	6.3	5.3	22	9.8	4.8	4.6	5.4	2.8	3.1	4.1
25	6.4	5.7	6.2	6.5	28	9.2	4.8	4.4	4.5	2.8	3.0	4.1
26	6.6	5.5	6.0	22	280	8.9	5.3	4.2	4.6	2.8	2.9	4.1
27	6.7	5.4	5.8	86	350	8.8	7.9	4.1	4.2	3.7	2.9	24
28	14	5.9	5.8	34	154	8.6	6.4	4.1	4.0	4.1	2.8	43
29	24	6.1	5.6	25	67	8.3	5.7	4.1	4.0	4.2	2.8	22
30	11	5.7	5.7	17	---	8.1	5.6	4.0	3.9	3.9	2.8	13
31	8.3	---	5.7	14	---	10	---	3.9	---	3.2	4.0	---
TOTAL	234.2	186.5	211.2	348.9	2235	598.7	185.5	185.2	130.8	105.1	94.9	414.0
MEAN	7.55	6.22	6.81	11.3	77.1	19.3	6.18	5.97	4.36	3.39	3.06	13.8
MAX	24	7.5	12	86	350	51	10	14	6.0	4.9	4.1	74
MIN	5.7	5.4	5.2	5.3	11	8.1	4.8	3.9	3.6	2.8	2.6	3.5
CFSM	0.25	0.20	0.22	0.37	2.50	0.63	0.20	0.19	0.14	0.11	0.10	0.45
IN.	0.28	0.23	0.26	0.42	2.70	0.72	0.22	0.22	0.16	0.13	0.11	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

MEAN	19.5	15.5	24.8	47.5	55.7	68.9	31.2	14.1	13.2	11.9	17.4	8.62
MAX	135	63.5	176	153	232	233	114	92.8	49.1	62.3	179	34.5
(WY)	1991	1993	1998	1998	1998	1998	1998	1991	1992	2003	1991	1992
MIN	3.46	4.84	4.95	6.03	8.04	8.84	4.30	3.14	3.23	2.93	2.73	3.17
(WY)	2001	1994	1999	2002	2002	1999	2002	2002	1990	2000	2002	1993

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL TOTAL	15660.5		4930.0			
ANNUAL MEAN	42.9		13.5		27.4	
HIGHEST ANNUAL MEAN					88.0	1998
LOWEST ANNUAL MEAN					4.99	2002
HIGHEST DAILY MEAN	1100	Mar 16	350	Feb 27	3010	Mar 9 1998
LOWEST DAILY MEAN	4.2	Jun 3	2.6	Aug 6 a	2.1	Apr 24 2002
ANNUAL SEVEN-DAY MINIMUM	4.7	May 31	2.6	Aug 4	2.3	Jun 6 2002
MAXIMUM PEAK FLOW			447	Feb 26	4070	Mar 9 1998
MAXIMUM PEAK STAGE			6.21	Feb 26	8.49	Mar 9 1998
INSTANTANEOUS LOW FLOW			2.4	Aug 6	2.1	Jul 22 2000
ANNUAL RUNOFF (CFSM)	1.39		0.437		0.888	
ANNUAL RUNOFF (INCHES)	18.91		5.95		12.07	
10 PERCENT EXCEEDS	77		24		57	
50 PERCENT EXCEEDS	9.6		6.0		7.1	
90 PERCENT EXCEEDS	5.7		3.1		3.3	

e Estimated
a Also Aug 7,8,9,10

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

STATION NUMBER 02198100 BEAVERDAM CREEK NEAR SARDIS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 325615 LONGITUDE 0814856 NAD27 DRAINAGE AREA 30.80* CONTRIBUTING DRAINAGE AREA DATUM 186.48 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.35	1.61	1.56	1.57	1.94	3.37	1.87	1.60	1.35	1.36	1.18	1.31
2	1.34	1.58	1.54	1.57	1.90	3.14	1.85	1.72	1.34	1.33	1.18	1.49
3	1.34	1.54	1.53	1.57	---	3.00	1.77	2.07	1.33	1.31	1.17	1.48
4	1.34	1.55	1.62	1.57	---	2.87	1.70	1.83	1.34	1.30	1.15	1.30
5	1.33	1.56	1.66	1.59	2.20	2.76	1.65	1.68	1.34	1.25	1.14	1.22
6	1.33	1.55	1.62	1.66	2.32	2.69	1.62	1.62	1.34	1.23	1.13	1.26
7	1.39	1.55	1.59	1.63	3.34	2.60	1.60	1.59	1.32	1.21	1.13	2.01
8	1.43	1.56	1.56	1.60	2.83	2.44	1.62	1.59	1.32	1.19	1.13	3.84
9	1.44	1.56	1.55	1.67	2.46	2.35	1.65	1.54	1.34	1.19	1.13	3.52
10	1.42	1.54	1.65	1.72	2.38	2.58	1.60	1.56	1.34	1.18	1.14	2.37
11	1.42	1.53	1.82	1.65	2.24	2.48	1.57	1.56	1.32	1.17	1.16	2.20
12	1.42	1.53	1.71	1.64	3.91	2.33	1.56	1.68	1.32	1.20	1.25	2.04
13	1.42	1.53	1.64	1.63	4.96	2.21	1.63	1.64	1.52	1.28	1.27	1.78
14	1.42	1.52	1.87	1.60	4.62	2.14	1.63	1.59	1.40	1.19	1.22	1.62
15	1.43	1.52	1.95	1.58	5.47	2.16	1.57	1.55	1.36	---	1.20	1.52
16	1.41	1.52	1.78	1.58	4.92	2.24	1.54	1.53	1.37	1.16	1.19	1.48
17	1.43	1.52	1.74	1.57	3.84	2.22	1.51	1.52	1.39	1.18	1.29	1.50
18	1.50	1.53	1.71	1.57	3.30	2.10	1.50	1.50	1.37	1.36	1.24	1.53
19	1.46	1.66	1.73	1.57	3.05	2.05	1.51	1.55	1.39	1.31	1.19	1.46
20	1.43	1.66	1.68	1.56	2.89	1.97	1.51	1.56	1.49	1.23	1.17	1.39
21	1.42	1.60	1.62	1.54	2.76	1.94	1.52	1.52	1.44	1.19	1.17	1.35
22	1.41	1.58	1.61	1.54	2.64	1.89	1.51	1.51	1.49	1.18	1.18	1.31
23	1.40	1.56	1.61	1.54	2.45	1.89	1.50	---	1.48	1.17	1.19	1.30
24	1.39	1.56	1.61	1.54	2.41	1.84	1.49	1.44	1.46	1.17	1.18	1.29
25	1.39	1.56	1.61	1.63	2.64	1.81	1.49	1.41	1.38	1.17	1.17	1.29
26	1.41	1.54	1.59	2.25	5.43	1.79	1.53	1.40	1.38	1.17	1.15	1.29
27	1.41	1.54	1.58	4.09	5.94	1.78	1.72	1.38	1.34	1.26	1.15	2.28
28	1.81	1.59	1.58	2.86	4.81	1.77	1.62	1.37	1.33	1.30	1.14	3.12
29	2.42	1.60	1.57	2.52	3.75	1.75	1.57	1.37	1.32	1.31	1.14	2.40
30	1.84	1.57	1.57	2.20	---	1.74	1.56	1.37	1.30	1.28	1.14	1.97
31	1.66	---	1.57	2.04	---	1.87	---	1.36	---	1.20	1.27	---
MEAN	1.47	1.56	1.65	1.80	---	2.25	1.60	---	1.37	---	1.18	1.80
MAX	2.42	1.66	1.95	4.09	---	3.37	1.87	---	1.52	---	1.29	3.84
MIN	1.33	1.52	1.53	1.54	---	1.74	1.49	---	1.30	---	1.13	1.22

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

STATION NUMBER 02198100 BEAVERDAM CREEK NEAR SARDIS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 325615 LONGITUDE 0814856 NAD27 DRAINAGE AREA 30.80* CONTRIBUTING DRAINAGE AREA DATUM 186.48 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.01	0.00	0.00	0.00	0.17	0.00	0.01	0.00	0.00
2	---	0.00	0.00	0.00	0.39	0.00	0.00	0.86	0.00	0.00	0.01	1.65
3	---	0.00	0.00	0.00	0.02	0.00	0.00	0.12	0.00	0.00	0.00	0.00
4	---	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.12	0.01	0.00	0.00
5	---	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	---	0.00	0.01	0.00	0.63	0.00	0.00	0.00	0.05	0.00	0.00	0.55
7	---	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.61
8	---	0.00	0.00	0.07	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.64
9	---	0.00	0.00	0.25	0.00	0.14	0.01	0.00	0.06	0.00	0.00	0.00
10	---	0.00	0.60	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.03
11	---	0.00	0.01	0.00	0.20	0.00	0.00	0.02	0.01	0.00	0.03	0.00
12	---	0.00	0.00	0.00	1.42	0.00	0.00	0.03	1.19	0.85	0.96	0.00
13	---	0.00	0.01	0.00	0.00	0.00	0.26	0.00	0.14	0.01	0.06	0.01
14	---	0.00	0.55	0.00	1.17	0.00	0.00	0.00	0.10	0.00	0.01	0.01
15	---	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.02	0.00	0.00	0.00
16	---	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.06	0.00	0.00	0.00
17	---	0.00	0.08	0.00	0.06	0.00	0.00	0.01	0.00	0.13	0.53	0.12
18	---	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.29	0.77	0.00	0.00
19	---	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.48	0.00	0.01	0.00
20	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	---	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.63	0.00	0.01	0.00
22	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.05	0.00
23	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
24	---	0.00	0.02	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.07	0.00
25	---	0.00	0.00	0.32	0.98	0.00	0.00	0.00	0.37	0.00	0.00	0.00
26	---	0.00	0.00	2.03	1.32	0.00	0.69	0.00	0.00	0.03	0.00	0.01
27	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.79	0.00	2.90
28	---	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.02
29	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.29	0.00	0.00
30	---	0.00	0.00	0.00	---	0.09	0.07	0.00	0.43	0.00	1.51	0.00
31	0.00	---	0.00	0.00	---	0.11	---	0.01	---	0.00	0.29	---
TOTAL	---	0.17	1.70	3.10	6.38	0.39	1.28	2.06	4.46	2.90	3.54	9.55

SAVANNAH RIVER BASIN
2004 Water Year

02198500 SAVANNAH RIVER NEAR CLYO, GA

LOCATION.—Lat 32°31'41", long 81°16'08", referenced to North American Datum (NAD) of 1927, Effingham County, GA-Jasper County, SC, Hydrologic Unit 03060109, at Georgia-South Carolina State Line, on downstream side of GA Highway 119 bridge, 3.0 miles north of Clyo, and at mile 61.4.

DRAINAGE AREA.—9,850 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1929 to September 1933, October 1937 to current year. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

REVISED RECORDS.—WSP 1112: 1940.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 13.39 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 31, 1933, a non-recording gage was located at the same site and at datum 4.00 feet higher. From January 31, 1933 to June 12, 1945, a non-recording gage was located at the same site and datum.

REMARKS.—Records good, except for estimated daily discharges, which are poor. Flow is regulated by Thurmond Lake (see station 02194500), and by other power plants above the station. This station is operated by the USGS, South Carolina District. For more information, please check http://sc.water.usgs.gov.

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

STATION NUMBER 02198500 SAVANNAH RIVER NEAR CLYO, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 323141 LONGITUDE 0811608 NAD27 DRAINAGE AREA 9850* CONTRIBUTING DRAINAGE AREA DATUM 13.39 NGVD29
Date Processed: 2005-02-18 07:04 By sellisor
APPROVED
DD #18, ,PUBLISHED
Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7040	9130	e7630	13300	e10500	17100	6760	5540	4820	e6610	5510	7980
2	6620	8760	e7340	12400	e9500	17900	7240	5600	4760	e6990	5620	e8070
3	6310	8080	e7390	10100	e8740	18400	7380	5630	4840	e6590	5640	e8560
4	6250	7560	e8180	e10100	e8550	18200	7010	5550	5440	e6460	5720	e8520
5	6320	7390	e8710	e10900	8530	16800	6340	5680	5350	e6740	5630	e8650
6	6070	7470	e8910	10600	8670	14500	6160	6070	4950	e6590	5410	e9910
7	6230	7430	e8840	9520	8460	12800	6340	6110	4820	e6660	5390	e10500
8	6480	7260	e8430	8850	8450	11700	6710	5750	4760	6290	5320	e10900
9	6810	7360	8770	8360	8560	e11200	6800	5530	4720	6400	5160	10900
10	7160	7420	9520	9590	8420	e10900	6310	5510	5180	6770	4990	e11300
11	7050	7270	e10400	e10500	8220	10500	5860	5580	6670	7110	4860	e11800
12	6920	7090	e11300	e8910	8610	10400	5660	6120	7270	6900	4860	e12300
13	6930	e6810	e11700	e8630	8970	10500	5550	6210	7380	6370	e5260	e12700
14	6770	e6880	e12000	e7700	9690	e10500	5540	6010	7270	6450	e5670	e13100
15	6650	e7020	e12400	e7790	10700	10200	5690	5930	6860	7130	5820	13400
16	6820	e6780	e12600	e8690	11600	9470	5660	5990	6120	7450	5660	13800
17	6970	6780	e12600	e8950	12200	9190	6180	5760	5850	7590	5640	e14200
18	6930	6750	e12900	e8380	12600	10400	7050	5420	e5770	7250	5680	e14600
19	6900	6770	e13200	e8090	12800	11300	7160	5240	e6250	6400	e5740	e15100
20	6750	7070	13400	e7770	12700	11900	7000	5160	6520	6100	5650	e15400
21	6610	e7000	13800	e7530	11800	12400	6560	5290	e6620	6120	5930	e15800
22	6450	e7020	14200	e7490	10300	12100	6290	5450	e6190	6080	6390	e16100
23	6330	e7410	14500	7730	10000	10100	6270	5580	e6150	6030	6280	e16200
24	6440	7490	14800	7530	11300	8230	6140	5470	e6220	5860	5940	e16000
25	6290	e7110	14700	7320	12500	8050	6010	5220	e6670	5630	5790	e15100
26	6170	e6980	13400	7280	13500	8220	5660	5160	e7390	5450	6010	e13300
27	6220	7510	12700	7420	e14500	7850	5470	5010	e7310	5380	6690	e10700
28	6200	e8280	12800	8010	15300	7030	5420	4780	e7080	5660	7450	e8770
29	6810	e8460	13100	9030	16200	6700	5490	4710	e6880	5860	7860	e8510
30	7790	e8070	13400	9890	---	6570	5530	4770	e6550	5670	8080	e9870
31	8610	---	13500	10400	---	6400	---	4830	---	5470	8080	---
TOTAL	207900	222410	357120	278760	311870	347510	187240	170660	182660	198060	183730	362040
MEAN	6706	7414	11520	8992	10750	11210	6241	5505	6089	6389	5927	12070
MAX	8610	9130	14800	13300	16200	18400	7380	6210	7390	7590	8080	16200
MIN	6070	6750	7340	7280	8220	6400	5420	4710	4720	5380	4860	7980
CFSM	0.68	0.75	1.17	0.91	1.09	1.14	0.63	0.56	0.62	0.65	0.60	1.23
IN.	0.79	0.84	1.35	1.05	1.18	1.31	0.71	0.64	0.69	0.75	0.69	1.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	9027	8617	11040	13910	15660	18180	16930	11610	9559	8827	8986	8168
MAX	83660	26510	39150	43930	42490	39350	55680	33890	27770	21260	32850	23520
(WY)	1930	1948	1949	1993	1998	1998	1964	1964	1973	1941	1940	1964
MIN	2772	3233	5122	5619	6027	6070	5698	4873	4825	4635	4661	3098
(WY)	1932	1932	1940	2002	2002	2002	2000	1941	2002	1952	2002	1931

^

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	5164300		3009960			
ANNUAL MEAN	14150		8224		11690	
HIGHEST ANNUAL MEAN					20900	1964
LOWEST ANNUAL MEAN					5289	2002
HIGHEST DAILY MEAN	39600	Mar 24	18400	Mar 3	e 203000	b Oct 2 1929
LOWEST DAILY MEAN	5710	Jan 19	4710	May 29	1950	Sep 27 1931
ANNUAL SEVEN-DAY MINIMUM	5870	Jan 18	4790	May 28	2470	Sep 23 1931
MAXIMUM PEAK FLOW			18500 a	Mar 3	c 270000	Oct 6 1929
MAXIMUM PEAK STAGE			12.77	Mar 3	c 29.70	Oct 6 1929
ANNUAL RUNOFF (CFSM)	1.44		0.835		1.19	
ANNUAL RUNOFF (INCHES)	19.50		11.37		16.12	
10 PERCENT EXCEEDS	26100		12800		21500	
50 PERCENT EXCEEDS	13000		7140		8730	
90 PERCENT EXCEEDS	6440		5480		5550	

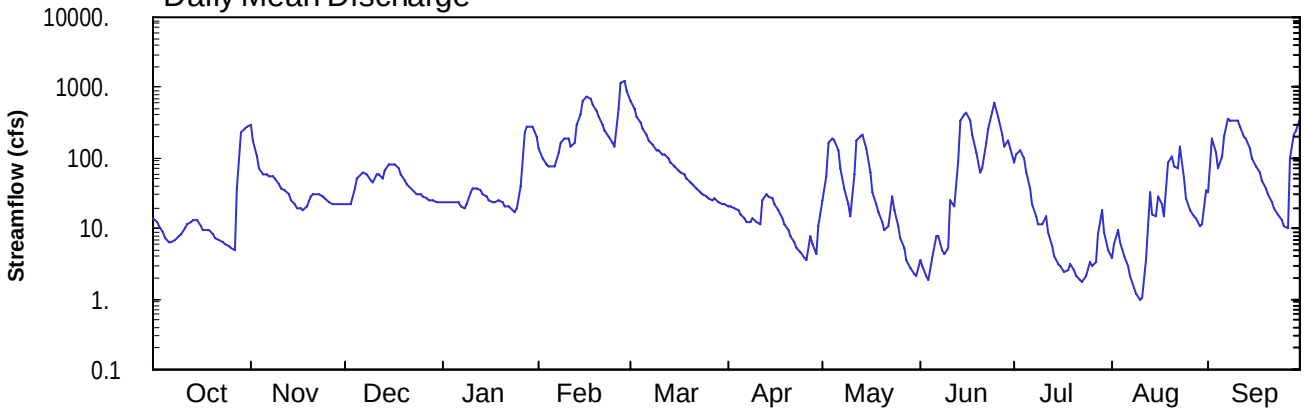
a Also occurred Mar. 4.
b Also occurred Oct. 3-10, 1929, which are estimates.
c Present datum (from information by U.S. Army Corps of Engineers) and from rating curve extended above 120,000 ft3/s.

e Estimated

02198690 EBENEZER CREEK AT SPRINGFIELD, GA

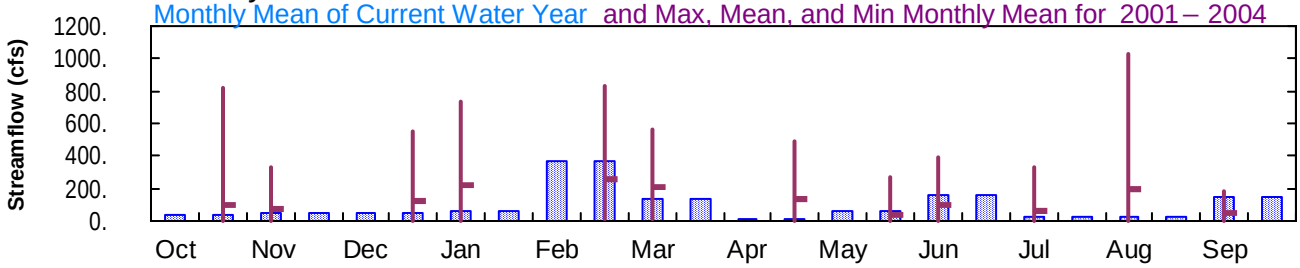
Latitude: 32°21'56" Longitude: 081°17'51" Hydrologic Unit Code: 03060109
Effingham County Datum: 20 feet Drainage Area: 181. mi²

Daily Mean Discharge

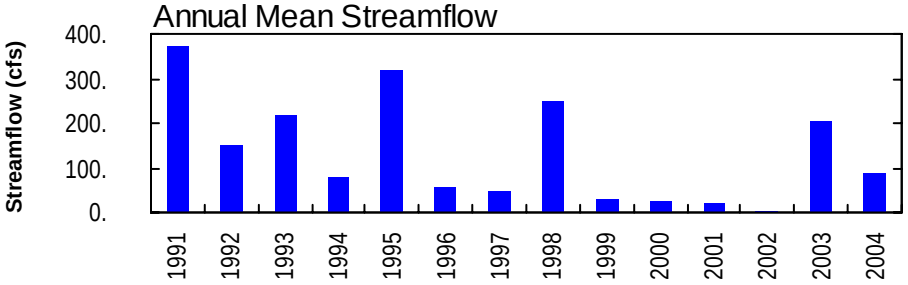


Monthly Statistics

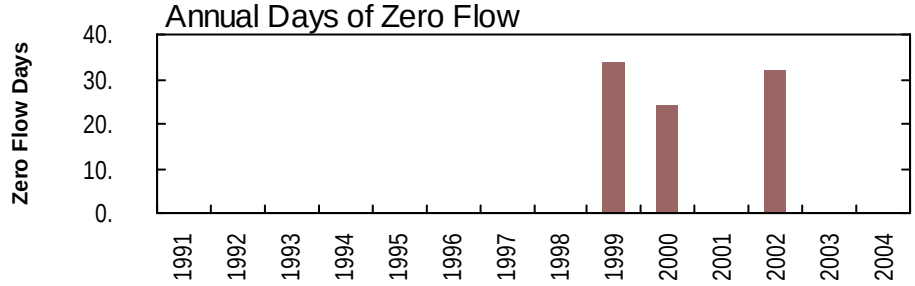
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



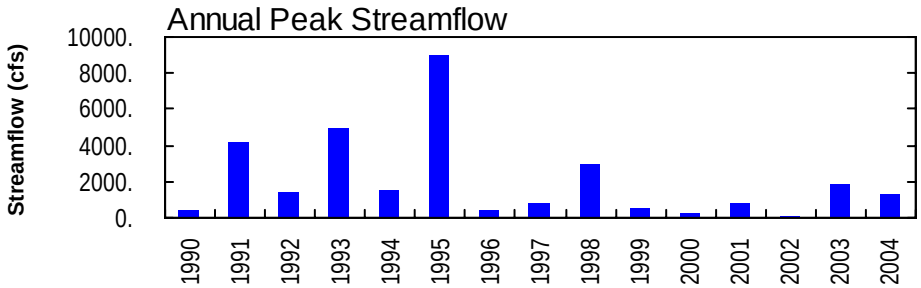
Annual Mean Streamflow



Annual Days of Zero Flow



Annual Peak Streamflow



SAVANNAH RIVER BASIN
2004 Water Year

02198690 EBENEZER CREEK AT SPRINGFIELD, GA

LOCATION.—Lat 32°21'56", long 81°17'51", referenced to North American Datum (NAD) of 1927, Effingham County, Hydrologic Unit 03060109, at downstream side of bridge pier on Stillwell Road, 0.5 miles east of Springfield, and 3.0 miles upstream from Little Ebenezer Creek.

DRAINAGE AREA.—181 square miles.

COOPERATION.—City of Springfield.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1990 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 20.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to April 25, 1990, a non-recording gage was located at same site and datum.

REMARKS.—Records good, except those less than 5.0 cfs, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/28	0245	1,370*	12.27*

No other peaks above base discharge

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1990 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 20.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to April 25, 1990, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.27 feet, February 28; minimum gage-height recorded, 3.08 feet, August 10, 11.

STATION NUMBER 02198690 EBENEZER CREEK AT SPRINGFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 322156 LONGITUDE 0811751 NAD27 DRAINAGE AREA 181.0 CONTRIBUTING DRAINAGE AREA 181.0* DATUM 20 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	290	22	23	135	650	21	26	3.6	88	3.7	32
2	12	181	22	24	99	499	20	53	2.9	115	6.2	183
3	11	104	23	23	84	399	19	164	2.1	126	9.6	122
4	9.1	71	36	23	77	321	18	187	1.9	100	6.4	72
5	7.4	58	52	24	74	259	16	174	3.9	64	4.0	105
6	6.4	61	60	23	77	213	14	129	7.7	38	3.0	201
7	6.6	56	62	21	121	183	13	70	7.7	23	2.1	354
8	7.0	55	58	19	171	154	12	38	4.8	15	1.5	337
9	7.7	52	48	22	195	130	14	23	4.4	11	1.2	343
10	8.1	44	46	34	184	124	13	15	5.4	12	0.97	347
11	9.8	38	60	37	142	116	11	59	26	15	1.0	277
12	11	34	57	37	165	109	25	180	21	8.8	3.6	198
13	12	30	53	34	293	100	30	198	89	5.6	32	187
14	13	25	66	31	422	86	29	217	341	4.0	16	138
15	13	22	83	28	648	75	26	140	415	3.2	15	98
16	11	20	82	26	757	69	22	61	437	3.0	28	77
17	9.2	19	80	23	695	63	18	34	335	2.5	22	61
18	9.7	18	71	24	561	57	14	22	210	2.6	15	48
19	9.3	21	59	25	457	52	11	17	117	3.1	89	38
20	8.3	28	50	23	375	46	9.2	12	64	2.6	103	30
21	7.4	30	42	21	305	42	7.7	9.4	71	2.2	76	24
22	6.7	30	36	20	244	38	6.3	11	168	1.9	70	19
23	6.4	30	33	19	197	33	5.2	28	264	1.8	148	16
24	5.9	29	31	17	163	31	4.5	18	447	2.1	51	13
25	5.6	27	30	19	147	28	3.8	11	598	3.4	28	11
26	5.2	23	28	40	496	26	3.7	7.5	379	3.0	18	10
27	4.9	21	27	228	1170	26	8.0	5.1	211	3.3	15	96
28	38	21	26	280	1250	27	6.2	3.7	142	8.3	14	211
29	227	23	25	272	875	24	4.4	2.8	182	18	11	240
30	265	21	24	275	---	23	11	2.3	136	9.1	11	357
31	282	---	23	204	---	22	---	2.1	---	5.1	34	---
TOTAL	1049.7	1482	1415	1919	10579	4025	416.0	1919.9	4697.4	700.6	839.27	4245
MEAN	33.9	49.4	45.6	61.9	365	130	13.9	61.9	157	22.6	27.1	142
MAX	282	290	83	280	1250	650	30	217	598	126	148	357
MIN	4.9	18	22	17	74	22	3.7	2.1	1.9	1.8	0.97	10
CFSM	0.19	0.27	0.25	0.34	2.02	0.72	0.08	0.34	0.87	0.12	0.15	0.78
IN.	0.22	0.30	0.29	0.39	2.17	0.83	0.09	0.39	0.97	0.14	0.17	0.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	102	73.2	117	224	259	211	133	40.9	101	58.8	194	54.9
MAX	817	327	557	734	838	564	494	275	389	329	1033	182
(WY)	1995	1993	1995	1993	1998	1998	1998	1991	2003	2003	1991	2003
MIN	0.23	0.44	1.24	4.99	14.9	11.3	2.52	0.02	0.57	0.05	0.35	0.12
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2000	1990	1999	1993

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	73284.5		33287.87			
ANNUAL MEAN	201		91.0		134	
HIGHEST ANNUAL MEAN					373	1991
LOWEST ANNUAL MEAN					4.02	2002
HIGHEST DAILY MEAN	1650	Jun 17	1250	Feb 28	7010	Aug 27 1995
LOWEST DAILY MEAN	4.4	May 18	0.97	Aug 10	0.00	May 22 1999
ANNUAL SEVEN-DAY MINIMUM	6.0	Oct 21	1.9	Aug 6	0.00	May 22 1999
MAXIMUM PEAK FLOW			1370	Feb 28	8960	Aug 26 1995
MAXIMUM PEAK STAGE			12.27	Feb 28	17.80	Aug 26 1995
INSTANTANEOUS LOW FLOW			0.88	Aug 10	0.00	May 24 2000
ANNUAL RUNOFF (CFSM)	1.11		0.502		0.739	
ANNUAL RUNOFF (INCHES)	15.06		6.84		10.04	
10 PERCENT EXCEEDS	542		264		365	
50 PERCENT EXCEEDS	80		28		28	
90 PERCENT EXCEEDS	13		4.5		0.31	

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

STATION NUMBER 02198690 EBENEZER CREEK AT SPRINGFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 322156 LONGITUDE 0811751 NAD27 DRAINAGE AREA 181.0 CONTRIBUTING DRAINAGE AREA 181.0* DATUM 20 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.93	8.22	4.21	4.25	6.47	10.46	4.10	4.23	3.30	5.70	3.32	4.43
2	3.85	7.07	4.23	4.27	5.90	9.76	4.07	4.86	3.25	6.17	3.44	6.88
3	3.78	5.98	4.24	4.26	5.65	9.10	4.03	6.87	3.19	6.34	3.63	6.26
4	3.71	5.40	4.62	4.26	5.52	8.50	3.98	7.16	3.18	5.91	3.47	5.40
5	3.62	5.14	5.02	4.28	5.48	7.93	3.91	7.01	3.32	5.21	3.33	5.98
6	3.57	5.20	5.19	4.25	5.52	7.46	3.83	6.37	3.51	4.59	3.26	7.27
7	3.58	5.10	5.24	4.17	6.25	7.12	3.77	5.35	3.54	4.15	3.19	8.77
8	3.60	5.07	5.14	4.12	6.97	6.75	3.75	4.58	3.39	3.85	3.14	8.63
9	3.63	5.01	4.93	4.22	7.26	6.39	3.81	4.14	3.36	3.71	3.11	8.68
10	3.66	4.82	4.88	4.57	7.13	6.31	3.77	3.88	3.42	3.72	3.09	8.71
11	3.74	4.67	5.20	4.65	6.58	6.18	3.71	4.81	4.24	3.85	3.10	8.10
12	3.81	4.57	5.13	4.66	6.87	6.07	4.22	7.08	4.09	3.59	3.24	7.29
13	3.86	4.46	5.03	4.57	8.24	5.91	4.36	7.29	5.05	3.43	4.43	7.17
14	3.89	4.31	5.30	4.49	9.26	5.67	4.33	7.51	8.67	3.33	3.90	6.52
15	3.88	4.21	5.63	4.41	10.45	5.46	4.26	6.52	9.22	3.28	3.82	5.88
16	3.79	4.14	5.61	4.34	10.86	5.33	4.14	5.15	9.37	3.26	4.32	5.50
17	3.71	4.11	5.58	4.26	10.64	5.22	3.97	4.47	8.60	3.22	4.13	5.16
18	3.74	4.07	5.41	4.27	10.09	5.08	3.83	4.11	7.41	3.23	3.84	4.84
19	3.72	4.17	5.17	4.31	9.50	4.95	3.72	3.95	6.19	3.27	5.68	4.60
20	3.67	4.42	4.96	4.25	8.93	4.81	3.61	3.76	5.23	3.23	5.97	4.38
21	3.62	4.47	4.77	4.18	8.36	4.71	3.53	3.62	5.35	3.20	5.48	4.19
22	3.59	4.45	4.63	4.15	7.79	4.59	3.47	3.65	6.92	3.18	5.24	4.03
23	3.57	4.47	4.54	4.11	7.28	4.46	3.41	4.32	7.97	3.17	6.60	3.89
24	3.54	4.45	4.50	4.06	6.87	4.39	3.36	3.99	9.41	3.19	4.91	3.80
25	3.53	4.36	4.46	4.11	6.64	4.32	3.32	3.70	10.24	3.29	4.29	3.70
26	3.51	4.26	4.40	4.64	9.37	4.26	3.31	3.53	8.94	3.26	3.99	3.67
27	3.49	4.20	4.37	7.60	11.90	4.25	3.55	3.40	7.41	3.28	3.86	5.74
28	4.45	4.20	4.35	8.13	12.05	4.28	3.46	3.31	6.57	3.53	3.81	7.43
29	7.61	4.24	4.30	8.06	11.20	4.18	3.36	3.25	7.11	3.98	3.68	7.74
30	8.00	4.20	4.28	8.09	---	4.14	3.63	3.21	6.47	3.60	3.69	8.79
31	8.15	---	4.26	7.35	---	4.13	---	3.20	---	3.40	4.49	---
MEAN	4.12	4.78	4.83	4.88	8.10	5.88	3.79	4.78	5.93	3.87	4.05	6.11
MAX	8.15	8.22	5.63	8.13	12.05	10.46	4.36	7.51	10.24	6.34	6.60	8.79
MIN	3.49	4.07	4.21	4.06	5.48	4.13	3.31	3.20	3.18	3.17	3.09	3.67

SAVANNAH RIVER BASIN
2004 Water Year

02198760 SAVANNAH RIVER ABOVE HARDEESVILLE, GA

LOCATION.—Lat 32°20'34", long 81°07'53", referenced to North American Datum (NAD) of 1927, Jasper County, SC, Hydrologic Unit 03060109, on canal near Bride Point at Jasper-Beaufort Water Authority pump house, 14.0 miles upstream from Abercorn Creek, and 7.0 miles northwest of Hardeesville.

DRAINAGE AREA.—10,250 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1987 to current year. Records prior to October 1, 1987 are available through the USGS-Georgia District.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 00.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 30, 1990 station was at a site 2.0 miles downstream of present location at the same datum.

REMARKS.—Gage-height affected by tide.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height, 14.18 feet, February 17, 1998; minimum gage-height, 1.97 feet, August 18, 2002.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 10.98 feet, March 5; minimum gage-height, 2.53 feet, May 29, August 11, 12.

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

STATION NUMBER 02198760 SAVANNAH RIVER ABOVE HARDEEVILLE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 322021 LONGITUDE 0810743 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM
Date Processed: 2005-03-02 06:41 By sellisor
APPROVED
DD #13, ,PUBLISHED,MAX,MIN,MEAN
Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.84	5.13	6.03	7.27	5.96	6.62	5.94	4.77	5.37	8.89	8.58	8.72
2	6.57	4.73	5.74	7.20	6.05	6.67	5.91	4.60	5.19	8.89	8.40	8.64
3	6.48	4.51	5.59	7.01	5.72	6.47	6.00	4.42	5.23	8.51	7.35	8.02
4	6.20	4.24	5.33	6.74	5.21	6.07	6.44	4.62	5.61	7.61	6.81	7.16
5	6.08	4.16	5.12	6.45	4.86	5.71	6.64	5.10	5.89	7.65	6.77	7.20
6	6.00	3.99	5.05	6.42	4.76	5.58	6.60	5.46	6.03	7.71	7.03	7.30
7	6.06	4.02	5.02	6.34	4.72	5.54	7.00	5.67	6.32	7.52	6.52	7.02
8	6.17	4.24	5.20	6.46	4.69	5.60	6.96	5.55	6.24	7.23	5.98	6.59
9	6.31	4.44	5.36	6.49	4.75	5.66	6.83	5.47	6.18	6.92	5.53	6.21
10	6.41	4.73	5.66	6.55	4.79	5.67	7.24	5.79	6.53	7.14	5.55	6.38
11	6.56	4.90	5.74	6.39	4.65	5.49	7.24	6.17	6.67	7.65	6.44	7.03
12	6.51	4.88	5.71	5.97	4.35	5.10	7.73	6.73	7.20	7.65	6.84	7.21
13	6.32	4.80	5.59	5.38	3.90	4.54	8.12	7.19	7.63	7.25	5.97	6.68
14	6.27	4.64	5.48	5.63	3.79	4.55	8.35	7.59	7.95	6.65	5.35	6.03
15	5.84	4.30	5.10	5.64	4.00	4.70	8.35	7.73	8.01	6.28	5.17	5.72
16	5.99	4.32	5.11	5.54	4.00	4.64	8.47	7.91	8.15	6.59	5.23	5.99
17	6.02	4.52	5.21	5.43	3.82	4.51	8.48	8.05	8.22	6.98	5.52	6.39
18	6.05	4.63	5.23	5.73	3.94	4.76	8.59	8.04	8.33	7.54	6.14	6.87
19	6.13	4.62	5.30	5.76	3.99	4.77	8.63	8.21	8.42	7.49	6.36	6.83
20	6.08	4.40	5.20	6.08	3.88	4.99	8.78	8.27	8.56	7.33	5.87	6.55
21	6.06	4.34	5.16	6.32	4.28	5.37	9.08	8.48	8.83	6.98	5.28	6.12
22	6.17	4.22	5.10	6.39	4.31	5.38	9.29	8.75	9.05	6.66	4.83	5.72
23	6.41	4.37	5.42	6.58	4.40	5.55	9.49	8.97	9.26	6.34	4.67	5.42
24	6.49	4.47	5.54	6.79	4.69	5.76	9.64	9.20	9.44	6.37	4.66	5.49
25	6.57	4.55	5.61	6.68	4.64	5.65	9.67	9.31	9.50	6.44	4.53	5.49
26	6.45	4.31	5.40	6.63	4.40	5.59	9.63	9.20	9.45	6.36	4.67	5.57
27	6.41	4.12	5.35	6.66	4.52	5.65	9.38	8.78	9.10	---	---	---
28	6.58	4.25	5.51	6.82	4.87	5.87	9.01	8.56	8.80	5.99	4.78	5.35
29	6.48	4.61	5.63	6.45	5.16	5.64	8.90	8.49	8.69	6.25	5.15	5.83
30	6.91	4.89	5.89	6.37	5.09	5.74	8.83	8.51	8.65	6.65	5.77	6.34
31	7.08	5.56	6.33	---	---	---	8.86	8.51	8.70	7.12	6.32	6.79
MONTH	7.08	3.99	5.44	7.27	3.79	5.46	9.67	4.42	7.65	---	---	---

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

STATION NUMBER 02198760 SAVANNAH RIVER ABOVE HARDEEVILLE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 322021 LONGITUDE 0810743 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM
Date Processed: 2005-03-02 06:41 By sellisor
APPROVED
DD #13, ,PUBLISHED,MAX,MIN,MEAN
Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.62	6.73	7.14	10.32	10.12	10.24	5.76	4.33	5.02	5.54	3.54	4.53
2	7.59	6.67	7.04	10.47	10.29	10.40	6.20	4.65	5.41	5.93	3.66	4.76
3	7.08	6.00	6.48	10.71	10.45	10.57	6.60	5.08	5.82	5.99	3.85	4.85
4	6.76	5.58	6.08	10.85	10.65	10.76	6.54	5.08	5.82	6.28	3.98	5.06
5	6.88	5.45	6.12	10.93	10.82	10.87	6.49	4.64	5.64	6.37	3.97	5.13
6	6.99	5.60	6.28	10.90	10.62	10.76	6.38	4.33	5.31	6.39	4.20	5.23
7	6.80	5.45	6.01	10.64	10.01	10.31	6.42	4.33	5.30	6.51	4.28	5.35
8	6.64	5.32	5.89	10.04	9.18	9.59	6.37	4.61	5.42	6.42	3.99	5.20
9	6.82	5.51	6.13	9.37	8.49	8.92	6.51	4.81	5.61	6.20	3.72	4.96
10	6.70	5.49	6.08	8.91	8.08	8.50	6.55	4.44	5.51	5.97	3.72	4.87
11	6.54	5.29	5.86	8.61	7.68	8.17	6.19	4.02	5.11	5.85	3.75	4.81
12	6.71	5.50	6.10	8.28	7.45	7.85	6.22	3.97	5.11	5.82	3.78	4.97
13	6.88	5.77	6.34	8.13	7.48	7.79	5.87	3.80	4.65	6.01	4.32	5.22
14	7.32	5.92	6.74	8.20	7.49	7.83	4.69	3.45	4.02	5.95	4.23	5.11
15	7.75	6.61	7.35	8.15	7.40	7.73	5.59	3.50	4.57	5.97	4.09	4.99
16	8.22	7.24	7.86	7.99	7.19	7.55	5.78	3.75	4.72	6.02	4.05	4.95
17	8.66	7.84	8.34	7.64	6.73	7.20	5.97	3.83	4.85	5.94	3.91	4.89
18	8.91	8.29	8.63	8.03	6.83	7.48	6.34	4.46	5.30	5.69	3.48	4.58
19	9.06	8.52	8.80	8.44	7.45	7.93	6.36	4.94	5.55	5.55	3.22	4.33
20	9.13	8.63	8.88	8.84	7.97	8.40	6.28	4.80	5.44	5.45	3.04	4.08
21	9.08	8.39	8.74	8.96	8.44	8.69	6.23	4.52	5.28	5.33	3.11	3.98
22	8.75	7.62	8.20	9.07	8.60	8.84	6.05	4.15	4.95	5.33	3.23	4.06
23	8.14	7.04	7.56	9.08	8.11	8.64	5.82	4.05	4.73	5.30	3.43	4.12
24	7.91	7.14	7.57	8.45	6.64	7.52	5.52	4.02	4.58	5.27	3.30	4.11
25	8.41	7.71	8.08	7.37	5.94	6.54	5.47	3.96	4.57	5.10	3.04	3.85
26	9.04	8.26	8.83	6.89	5.81	6.25	5.35	3.61	4.37	4.86	2.97	3.72
27	9.40	8.88	9.23	6.64	5.51	6.03	4.91	3.49	4.12	4.64	2.84	3.66
28	9.85	9.37	9.70	6.26	4.96	5.56	4.85	3.46	4.14	4.68	2.77	3.64
29	10.15	9.84	10.05	6.21	4.72	5.40	5.28	3.51	4.32	5.08	2.53	3.65
30	---	---	---	6.04	4.70	5.31	5.33	3.47	4.41	5.48	2.80	4.14
31	---	---	---	5.96	4.56	5.12	---	---	---	5.61	2.77	4.15
MONTH	10.15	5.29	7.45	10.93	4.56	8.15	6.60	3.45	4.99	6.51	2.53	4.55

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

STATION NUMBER 02198760 SAVANNAH RIVER ABOVE HARDEEVILLE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 322021 LONGITUDE 0810743 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM
Date Processed: 2005-03-02 06:41 By sellisor
APPROVED
DD #13, ,PUBLISHED,MAX,MIN,MEAN
Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.77	2.80	4.16	6.80	4.78	5.69	6.17	3.45	4.81	6.71	5.32	6.02
2	5.96	2.83	4.29	6.96	5.05	5.88	6.14	3.67	4.94	6.72	5.35	6.06
3	6.01	2.84	4.35	7.09	5.46	6.16	6.24	3.76	5.05	6.99	5.73	6.39
4	6.11	3.37	4.56	7.17	5.76	6.43	6.04	3.74	4.92	7.04	5.81	6.42
5	6.16	3.43	4.72	7.27	5.76	6.51	5.83	3.60	4.77	7.09	5.88	6.52
6	6.03	3.18	4.59	7.12	5.39	6.28	5.60	3.36	4.57	7.56	6.19	6.94
7	5.87	2.96	4.41	6.80	4.91	5.92	5.73	3.35	4.65	7.94	6.91	7.49
8	5.60	2.89	4.32	6.28	4.40	5.44	5.40	3.27	4.38	7.99	7.40	7.67
9	5.43	2.82	4.21	5.95	4.20	5.14	5.19	2.96	4.04	7.94	7.38	7.62
10	5.46	2.82	4.32	6.15	4.39	5.25	5.05	2.75	3.84	8.13	7.43	7.72
11	5.95	3.54	4.80	6.43	4.85	5.59	4.93	2.53	3.64	8.47	7.70	8.01
12	6.36	4.56	5.36	6.23	4.80	5.50	5.02	2.53	3.51	8.78	8.04	8.35
13	7.10	5.08	5.96	5.89	4.19	5.02	5.15	2.64	3.60	8.96	8.36	8.62
14	7.07	5.65	6.33	5.79	3.99	4.74	5.26	3.09	4.07	9.14	8.59	8.86
15	6.94	5.75	6.39	5.95	4.34	4.97	5.57	3.38	4.25	9.21	8.81	9.04
16	6.62	4.93	5.77	6.49	4.77	5.36	5.62	3.27	4.32	9.36	8.95	9.17
17	6.10	4.43	5.24	6.50	4.97	5.64	5.62	3.31	4.38	9.51	9.13	9.34
18	5.96	4.12	4.94	6.43	4.85	5.54	5.64	3.36	4.43	9.53	9.22	9.40
19	6.12	4.23	4.92	6.19	4.19	5.16	5.67	3.43	4.47	9.75	9.41	9.58
20	6.40	4.60	5.33	5.99	3.87	4.81	5.55	3.37	4.38	9.97	9.61	9.79
21	6.48	4.89	5.62	5.80	3.84	4.71	5.22	3.34	4.29	---	---	---
22	6.44	4.64	5.43	5.72	3.83	4.71	5.57	3.71	4.58	---	---	---
23	6.04	4.72	5.22	5.63	3.73	4.65	5.87	3.99	4.90	---	---	---
24	6.01	5.04	5.49	5.53	3.64	4.61	5.98	3.85	4.91	---	---	---
25	6.31	5.28	5.84	5.52	3.42	4.46	5.91	3.53	4.75	---	---	---
26	6.88	5.62	6.35	5.52	3.22	4.36	5.96	3.51	4.71	---	---	---
27	7.39	6.31	6.85	5.71	3.08	4.34	6.33	3.96	5.01	---	---	---
28	7.02	6.04	6.59	5.92	3.20	4.44	6.79	4.62	5.60	9.66	7.90	8.74
29	6.65	5.08	5.93	6.03	3.56	4.67	6.75	5.09	5.91	8.27	6.72	7.43
30	6.67	4.65	5.60	6.16	3.48	4.77	6.76	5.26	5.98	7.79	6.67	7.27
31	---	---	---	6.20	3.40	4.82	6.76	5.37	6.04	---	---	---
MONTH	7.39	2.80	5.26	7.27	3.08	5.21	6.79	2.53	4.64	---	---	---

SAVANNAH RIVER BASIN
2004 Water Year

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA

LOCATION.—Lat 32°14'08", long 81°09'05", referenced to North American Datum (NAD) of 1927, Effingham County, Hydrologic Unit 03060109, at right downstream fender of bridge on Interstate 95, 1.0 mile downstream from Abercorn Creek, and 6.1 miles north of Port Wentworth.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—City of Savannah.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1987 to current year.

GAGE.—Satellite transmitter with a water-stage recorder and continuous water-quality monitor. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.37 feet, February 7, 1993; minimum gage-height recorded, -5.24 feet, April 7, 1989. Extremes have been adjusted to NGVD of 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.20 feet, September 26; minimum gage-height recorded, -4.43 feet, April 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.87	-1.58	2.91	5.51	-1.27	2.64	4.27	-3.04	0.76	4.35	-2.24	1.14
2	5.70	-1.55	2.77	5.44	-1.20	2.77	4.43	-2.54	1.28	4.51	-2.27	1.19
3	5.72	-1.02	3.02	5.56	-0.89	3.16	4.84	-2.45	1.82	4.51	-2.32	1.15
4	5.38	-1.84	2.58	5.35	-1.38	2.72	5.27	-1.56	2.25	4.47	-2.76	1.09
5	5.18	-2.37	1.99	5.20	-1.82	2.38	5.11	-2.36	1.75	4.65	-3.03	1.03
6	5.25	-2.37	2.04	5.26	-2.20	2.13	4.49	-2.84	1.29	4.38	-3.11	0.86
7	5.25	-2.28	2.05	5.12	-2.45	2.00	5.08	-2.52	1.87	4.73	-2.84	1.34
8	5.28	-2.32	2.02	5.39	-2.15	2.46	5.13	-2.30	1.93	4.98	-2.73	1.43
9	5.26	-2.35	2.13	5.49	-0.96	2.79	5.02	-2.16	1.99	5.08	-2.68	1.58
10	5.33	-2.00	2.31	5.48	-1.24	2.59	5.31	-1.82	2.01	5.20	-2.45	1.76
11	5.31	-2.02	2.29	5.33	-1.87	2.15	4.65	-3.19	0.73	5.19	-2.11	1.81
12	5.40	-1.67	2.45	4.85	-2.23	1.47	4.95	-2.33	1.50	4.65	-2.79	1.16
13	5.28	-1.80	2.29	3.73	-3.08	0.47	5.29	-1.53	2.22	4.49	-2.97	0.73
14	5.10	-1.77	2.16	4.58	-2.10	1.11	5.26	-1.35	2.12	4.75	-2.64	1.13
15	4.48	-2.62	1.41	4.45	-2.17	1.12	4.87	-2.01	1.52	4.25	-2.97	0.69
16	4.73	-1.66	1.67	4.38	-2.03	1.04	4.89	-1.64	1.59	4.69	-2.62	1.53
17	4.58	-1.60	1.61	4.33	-2.28	0.93	4.50	-2.67	0.88	4.91	-2.56	1.78
18	4.58	-1.39	1.62	4.73	-2.27	1.40	4.56	-2.69	1.16	5.35	-2.79	1.71
19	4.77	-1.37	1.74	4.78	-3.54	1.40	4.62	-2.87	0.87	5.16	-3.47	1.50
20	4.79	-2.11	1.57	5.12	-3.76	1.52	4.77	-3.11	1.34	5.61	-3.13	2.13
21	4.81	-2.59	1.54	5.44	-2.64	2.25	5.43	-2.87	2.18	5.56	-3.11	2.01
22	5.04	-3.11	1.38	5.61	-2.81	2.27	5.62	-2.61	2.29	5.36	-3.13	1.62
23	5.56	-2.67	2.42	5.80	-2.80	2.34	5.81	-2.47	2.48	4.93	-3.78	0.89
24	5.57	-2.26	2.50	5.92	-2.73	2.35	5.69	-2.06	2.42	4.73	-3.64	1.02
25	5.73	-2.11	2.54	5.85	-3.20	2.21	5.35	-2.49	1.92	5.22	-3.33	1.68
26	5.67	-2.66	2.24	5.94	-2.44	2.52	5.30	-2.32	1.92	5.11	-2.22	1.99
27	5.72	-2.80	2.22	5.80	-2.37	2.43	5.19	-2.18	1.85	4.91	-2.67	1.59
28	5.81	-2.69	2.47	5.50	-2.71	1.68	5.12	-1.98	1.79	4.27	-3.03	0.45
29	5.38	-2.48	2.30	4.70	-3.56	0.44	4.85	-1.85	1.60	3.78	-2.52	0.71
30	5.65	-2.32	2.21	4.71	-2.52	1.21	4.33	-2.42	1.06	3.87	-2.25	0.61
31	5.55	-1.41	2.50	---	---	---	4.44	-1.82	1.32	3.71	-1.81	1.10
MONTH	5.87	-3.11	2.16	5.94	-3.76	1.93	5.81	-3.19	1.67	5.61	-3.78	1.30

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.88	-0.83	1.97	4.14	-1.39	1.31	4.26	-2.64	0.83	4.66	-3.06	1.25
2	5.05	-0.86	2.33	4.18	-1.72	1.05	4.41	-3.28	0.86	5.03	-3.24	1.48
3	4.72	-2.23	1.30	4.29	-1.90	1.11	4.90	-3.28	1.45	5.14	-3.92	1.20
4	4.76	-3.10	1.07	4.59	-1.92	1.51	5.02	-3.28	1.30	5.60	-3.22	1.81
5	5.17	-2.85	1.74	4.95	-1.84	1.83	5.23	-3.10	1.78	5.67	-3.34	1.83
6	5.25	-2.51	1.84	5.07	-1.80	1.75	5.45	-3.19	1.61	5.65	-3.53	1.67
7	4.45	-3.53	0.66	5.06	-2.18	1.70	5.29	-3.59	1.50	5.62	-3.25	1.72
8	4.86	-3.91	0.74	5.16	-2.60	1.53	5.26	-3.31	1.39	5.55	-3.02	1.76
9	5.04	-2.93	1.39	5.33	-2.47	2.02	5.21	-2.94	1.49	5.44	-2.65	1.80
10	4.76	-3.21	1.16	5.29	-2.10	2.15	5.25	-2.72	1.66	5.26	-2.43	1.79
11	4.55	-3.19	0.89	5.29	-2.48	1.98	5.04	-2.82	1.43	5.13	-2.38	1.70
12	4.78	-2.31	1.50	5.02	-2.70	1.44	5.18	-2.12	1.59	4.92	-2.44	1.69
13	4.83	-2.39	1.51	4.87	-2.28	1.67	4.88	-4.05	0.83	4.83	-2.72	1.64
14	4.90	-2.21	1.78	5.04	-2.15	1.77	3.33	-4.43	-0.40	4.86	-3.08	1.54
15	5.27	-2.68	1.99	4.92	-2.50	1.55	4.65	-3.89	1.04	4.97	-3.15	1.43
16	5.39	-2.66	2.09	4.88	-2.53	1.67	4.90	-3.33	1.31	5.03	-3.18	1.35
17	5.52	-1.86	2.45	4.85	-2.82	1.63	4.90	-3.33	1.24	5.10	-3.12	1.31
18	5.44	-2.48	2.18	5.28	-2.81	2.11	4.88	-3.50	1.02	5.10	-3.18	1.30
19	5.53	-2.49	2.16	5.15	-2.65	1.95	4.80	-3.62	0.86	5.03	-3.06	1.25
20	5.44	-2.45	2.10	5.45	-2.04	2.52	4.77	-3.76	0.60	4.76	-3.32	0.91
21	5.07	-2.72	1.70	5.08	-2.57	2.02	4.79	-3.36	0.84	4.69	-3.20	0.68
22	5.08	-2.62	1.77	5.23	-2.15	2.10	4.60	-3.33	0.79	4.57	-2.94	0.72
23	5.10	-2.42	1.83	5.08	-2.04	2.16	4.23	-3.05	0.53	4.47	-2.75	0.75
24	5.08	-2.42	1.90	4.91	-2.50	1.61	4.13	-3.05	0.36	4.47	-2.65	0.68
25	5.05	-1.02	2.58	4.78	-2.80	1.11	4.13	-2.67	0.63	4.30	-2.80	0.50
26	5.77	-0.74	3.11	4.41	-2.76	0.76	4.07	-2.31	0.66	4.12	-2.89	0.48
27	4.78	-1.20	1.91	4.06	-2.34	0.72	3.65	-2.28	0.64	3.87	-3.01	0.48
28	4.53	-0.75	2.06	3.69	-2.02	0.74	3.69	-1.98	1.10	4.02	-3.13	0.64
29	4.41	-0.99	1.65	4.52	-1.16	1.66	4.39	-2.31	1.21	4.71	-3.08	1.02
30	---	---	---	4.52	-1.21	1.80	4.40	-2.72	1.27	5.20	-2.86	1.82
31	---	---	---	4.50	-2.53	1.49	---	---	---	5.32	-3.51	1.52
MONTH	5.77	-3.91	1.77	5.45	-2.82	1.63	5.45	-4.43	1.05	5.67	-3.92	1.28

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.49	-3.88	1.30	5.66	-3.46	1.78	5.66	-3.39	1.98	5.03	-3.16	1.49
2	5.74	-3.63	1.58	5.68	-3.37	1.82	5.69	-2.74	2.13	5.02	-2.82	1.74
3	5.75	-3.74	1.61	5.75	-3.22	1.91	5.69	-2.46	2.31	5.22	-1.90	2.20
4	5.71	-3.59	1.54	5.68	-2.89	2.04	5.40	-2.54	2.05	5.14	-1.82	2.13
5	5.62	-3.44	1.54	5.68	-2.71	2.04	5.10	-2.60	1.83	5.30	-0.90	2.69
6	5.63	-3.06	1.73	5.47	-2.40	2.03	5.01	-2.79	1.89	5.45	0.01	3.10
7	5.54	-2.62	1.78	5.35	-2.26	2.05	5.22	-1.56	2.28	4.88	-0.24	2.66
8	5.30	-2.51	1.77	5.10	-2.66	1.81	4.80	-2.04	1.78	4.67	-1.43	1.67
9	5.13	-2.55	1.76	4.88	-2.60	1.63	4.61	-2.16	1.52	4.35	-1.91	1.24
10	5.04	-2.60	1.84	4.91	-2.70	1.68	4.51	-2.23	1.36	4.64	-2.28	1.33
11	5.03	-2.86	1.57	5.01	-2.32	1.86	4.42	-2.54	1.15	5.10	-1.92	1.88
12	5.12	-2.87	1.63	4.82	-2.38	1.65	4.50	-2.86	1.00	5.55	-1.58	2.44
13	5.67	-1.66	2.61	4.82	-2.75	1.22	4.48	-3.47	0.58	5.56	-1.38	2.66
14	5.33	-1.94	2.27	4.69	-2.90	0.96	4.46	-2.92	0.97	5.64	-1.10	2.92
15	5.27	-2.23	1.94	4.42	-2.88	0.92	4.81	-3.42	0.88	5.53	-1.29	2.87
16	5.05	-2.71	1.45	5.14	-2.83	1.26	4.96	-3.27	1.00	5.58	-1.34	2.75
17	5.01	-2.81	1.27	5.07	-2.51	1.45	4.96	-2.98	1.24	5.31	-1.90	2.42
18	4.89	-2.96	1.05	4.69	-2.89	1.12	4.99	-2.96	1.33	5.11	-2.33	1.89
19	5.06	-2.64	1.14	5.00	-2.93	1.23	4.82	-3.03	1.21	5.25	-1.75	2.37
20	5.35	-2.03	1.79	4.91	-2.72	1.27	4.77	-3.08	1.08	5.80	-0.56	3.16
21	5.25	-1.42	2.18	4.85	-2.77	1.29	4.38	-3.24	0.78	6.00	-0.28	3.48
22	5.25	-2.37	1.59	4.85	-2.62	1.36	4.54	-3.28	0.78	5.68	-0.42	3.19
23	4.72	-2.51	0.78	4.71	-2.62	1.28	4.84	-2.88	1.38	5.33	-1.22	2.65
24	4.35	-2.81	0.74	4.63	-2.72	1.31	5.19	-2.41	1.82	5.58	-1.12	2.91
25	4.30	-2.47	1.03	4.78	-2.93	1.28	5.28	-2.40	1.98	5.93	-0.51	3.37
26	4.24	-2.69	1.05	4.88	-3.05	1.34	5.32	-3.08	1.81	6.20	0.22	3.76
27	5.15	-2.42	1.69	5.17	-3.08	1.58	5.51	-3.16	1.86	6.06	0.58	4.15
28	4.99	-2.69	1.48	5.34	-3.48	1.52	5.80	-2.58	2.26	5.16	-2.34	2.47
29	5.30	-3.56	1.40	5.41	-3.37	1.53	5.42	-3.52	1.88	5.31	-2.58	1.98
30	5.56	-3.51	1.64	5.67	-3.50	1.72	5.20	-3.32	1.60	5.38	-2.52	2.20
31	---	---	---	5.76	-3.13	2.03	5.08	-3.13	1.53	---	---	---
MONTH	5.75	-3.88	1.56	5.76	-3.50	1.55	5.80	-3.52	1.52	6.20	-3.16	2.53
YEAR	6.20	-4.43	1.66									

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.15	0.25	0.17	0.00
2	0.00	0.00	0.00	0.00	0.02	0.00	0.00	1.46	0.00	0.34	0.25	0.03
3	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
4	0.00	0.01	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.37	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.13
6	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.22	0.00	0.00	1.68
7	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67
8	0.00	0.01	0.00	0.09	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.01
9	0.06	0.00	0.00	0.35	0.00	0.14	0.00	0.00	0.16	0.15	0.00	0.00
10	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.07	0.40	0.00	0.01
11	0.02	0.00	0.00	0.00	0.16	0.00	1.10	0.49	0.00	0.00	0.07	0.45
12	0.00	0.00	0.00	0.00	0.67	0.00	2.95	0.22	0.00	0.00	0.86	0.03
13	0.06	0.00	0.03	0.00	0.00	0.00	0.36	0.00	2.93	0.00	0.31	0.30
14	0.04	0.00	0.59	0.00	0.89	0.00	0.00	0.00	0.68	0.00	0.06	0.25
15	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.31	0.00	0.43	0.01
16	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.13
17	0.23	0.00	0.00	0.00	0.12	0.00	0.00	0.10	0.01	0.01	0.01	0.01
18	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
19	0.00	0.43	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.02	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.61	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.05	0.00	0.66	0.00
23	0.00	0.00	0.00	0.00	0.06	0.00	---	0.04	0.12	0.00	0.22	0.00
24	0.00	0.07	0.00	0.00	0.00	0.00	---	0.00	0.09	0.78	0.00	0.00
25	0.02	0.00	0.00	0.18	0.43	0.00	---	0.00	0.19	0.01	0.15	0.00
26	0.00	0.00	0.00	1.33	0.71	0.00	---	0.00	0.06	0.00	0.00	0.75
27	0.11	0.00	0.00	0.00	0.00	0.00	---	0.00	0.05	0.00	0.07	1.57
28	2.60	0.23	0.00	0.00	0.00	0.00	---	0.00	0.10	0.00	0.00	0.00
29	0.05	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.19	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.02	0.21	0.00	1.00	0.05	0.16	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.01	---	0.24	0.16	---
TOTAL	3.37	1.13	1.41	1.98	3.70	0.16	---	2.36	6.88	2.45	3.62	6.03

SAVANNAH RIVER BASIN
2004 Water Year

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA

LOCATION.—Lat 32°14'08", long 81°09'05", referenced to North American Datum (NAD) of 1927, Effingham County, Hydrologic Unit 03060109, at right downstream fender of bridge on Interstate 95, 1.0 mile downstream from Abercorn Creek, and 6.1 miles north of Port Wentworth.

DRAINAGE AREA.—Not determined.

COOPERATION.—City of Savannah.

PERIOD OF RECORD.—October 1986 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1987 to current year.
WATER TEMPERATURE: October 1999 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 8,370 microsiemens, August 7, 2002; minimum recorded, 30 microsiemens, August 26, 1995.
WATER TEMPERATURE: Maximum recorded, 31.4 °C, July 20, 2002; minimum recorded, 5.1 °C, January 31, 2000.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 704 microsiemens, June 4; minimum recorded, 74 microsiemens, March 1, 2.
WATER TEMPERATURE: Maximum recorded, 30.1 °C, August 5; minimum recorded, 7.0 °C, January 31, February 1, 2.

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	126	120	123	125	115	119	111	107	108	88	84	85
2	122	118	120	115	113	114	115	110	113	92	87	90
3	125	118	121	120	113	117	115	114	114	93	87	89
4	131	125	126	119	113	116	122	114	119	105	93	97
5	135	126	130	125	118	122	123	119	122	120	105	113
6	143	132	135	127	124	126	121	109	114	108	94	97
7	141	132	135	137	127	132	110	107	109	96	90	93
8	146	130	135	135	128	131	109	107	108	106	95	102
9	149	132	138	131	126	128	112	107	109	111	106	109
10	137	126	131	132	127	129	116	111	115	110	105	108
11	132	122	129	132	128	130	115	106	109	122	104	114
12	127	118	120	130	122	125	106	92	101	106	93	98
13	124	117	121	126	124	125	93	87	90	99	95	96
14	131	119	124	129	125	127	92	88	90	104	99	100
15	129	119	123	132	128	129	90	89	89	121	104	113
16	127	121	124	137	128	134	91	88	90	120	116	118
17	129	126	128	132	127	130	94	89	91	118	110	114
18	130	121	124	134	127	129	91	90	90	113	107	111
19	128	118	122	140	130	136	95	90	93	107	98	101
20	130	121	125	137	131	134	94	81	88	101	97	99
21	129	122	126	152	133	138	84	80	82	112	100	107
22	134	121	128	160	123	136	84	80	82	118	110	116
23	---	---	---	149	126	132	87	84	85	125	116	121
24	173	131	141	147	125	131	88	86	87	127	124	126
25	156	127	137	171	120	133	87	86	87	128	116	122
26	165	127	139	177	116	127	96	87	90	124	113	117
27	194	126	139	127	115	122	115	96	102	125	115	119
28	164	127	135	128	124	126	115	88	102	119	115	117
29	132	125	128	130	116	125	89	84	86	124	117	120
30	132	121	128	116	108	112	88	82	85	121	108	116
31	133	125	128	---	---	---	86	83	85	111	105	108
MONTH	---	---	---	177	108	127	123	80	98	128	84	108

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	108	101	104	75	74	74	129	124	127	153	133	138
2	103	98	100	75	74	74	139	128	133	163	133	139
3	104	101	103	77	75	76	136	123	128	163	130	138
4	113	103	109	79	76	78	129	116	120	160	135	143
5	116	112	115	83	79	81	123	117	119	162	136	142
6	122	115	119	88	83	85	124	118	121	194	139	148
7	120	119	120	95	88	92	138	123	129	182	140	149
8	120	113	117	93	91	92	145	126	136	153	131	140
9	122	118	120	93	90	92	142	127	130	143	123	130
10	122	120	120	96	93	94	133	120	125	133	127	130
11	121	119	120	94	92	93	123	120	121	144	132	138
12	122	120	120	98	92	95	122	112	116	144	138	141
13	123	118	120	100	96	98	132	113	123	142	137	140
14	118	108	113	100	93	95	136	124	131	143	131	138
15	118	112	115	94	92	93	141	135	137	135	122	126
16	112	106	109	97	92	95	---	---	---	129	122	124
17	106	102	105	101	95	97	150	130	137	129	121	124
18	102	98	100	108	96	100	141	135	137	134	123	126
19	101	97	99	110	86	98	139	123	134	134	117	122
20	98	94	96	89	83	84	---	---	---	129	120	126
21	94	93	93	85	81	82	---	---	---	134	129	131
22	101	92	94	87	82	84	---	---	---	138	132	135
23	105	100	101	99	86	92	---	---	---	141	132	138
24	111	104	108	109	98	101	---	---	---	140	131	133
25	109	90	103	118	107	111	---	---	---	134	130	131
26	90	80	85	126	117	122	---	---	---	135	131	133
27	80	78	79	125	111	117	---	---	---	144	133	137
28	78	77	78	113	106	111	---	---	---	149	135	142
29	78	75	76	116	113	113	---	---	---	198	137	147
30	---	---	---	128	114	121	141	133	137	227	139	161
31	---	---	---	135	127	130	---	---	---	409	146	179
MONTH	123	75	105	135	74	96	---	---	---	409	117	138

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	565	144	201	150	117	126	281	128	150	111	102	105
2	689	138	233	147	123	128	256	136	149	114	105	107
3	535	140	208	136	118	123	263	141	152	118	104	109
4	704	142	229	128	111	115	172	138	145	119	106	111
5	549	140	208	119	112	115	157	138	142	119	107	111
6	343	123	176	119	110	113	152	136	141	121	109	114
7	237	117	142	115	109	112	146	134	138	120	92	108
8	156	125	136	123	114	120	147	137	142	99	90	95
9	165	131	145	124	119	122	154	143	147	107	94	99
10	170	137	144	129	120	123	155	137	144	110	98	104
11	155	139	144	127	110	118	160	139	146	107	96	101
12	140	124	134	116	110	113	181	146	152	105	94	99
13	128	106	113	116	106	111	182	146	155	102	94	97
14	108	104	106	117	106	112	175	150	157	106	88	97
15	111	101	108	128	116	122	177	143	155	96	86	89
16	108	101	105	131	122	126	163	137	143	95	85	88
17	114	107	110	122	107	113	167	129	144	95	85	89
18	124	114	119	113	109	112	167	132	147	95	86	89
19	126	122	124	118	107	111	169	140	149	93	86	88
20	128	124	126	122	107	114	162	138	144	95	86	89
21	128	116	125	140	116	128	153	134	139	95	85	88
22	124	111	115	140	130	133	146	136	139	93	85	88
23	115	110	112	139	129	134	148	128	140	94	86	89
24	121	115	118	141	126	131	140	123	129	96	88	91
25	118	108	112	138	125	129	142	122	129	98	90	93
26	108	105	106	141	125	132	153	128	136	102	94	98
27	113	101	107	156	134	140	165	133	141	101	97	100
28	---	---	---	199	138	146	161	126	136	103	98	101
29	108	99	102	191	138	148	131	113	121	113	102	107
30	132	105	113	313	132	156	121	103	111	125	113	119
31	---	---	---	451	130	161	113	101	106	---	---	---
MONTH	---	---	---	451	106	125	281	101	141	125	85	99

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.3	22.5	23.0	20.3	19.9	20.1	14.5	13.8	14.1	10.3	10.0	10.2
2	23.0	22.4	22.8	20.2	19.7	19.9	14.0	13.4	13.6	10.3	10.0	10.2
3	22.5	21.8	22.2	20.0	19.6	19.8	13.5	12.9	13.2	10.4	10.0	10.2
4	22.2	21.6	21.9	20.5	19.8	20.1	12.9	12.7	12.8	11.6	10.4	10.9
5	22.3	21.6	21.9	21.3	20.5	20.8	12.8	12.3	12.5	12.6	11.6	12.1
6	22.2	21.7	22.0	22.1	21.3	21.5	12.3	11.7	12.0	12.6	12.4	12.5
7	22.1	21.9	22.0	22.5	22.0	22.2	12.0	11.6	11.8	12.4	11.7	11.9
8	22.4	21.9	22.1	22.5	22.2	22.4	11.9	11.5	11.7	11.7	11.2	11.3
9	22.4	22.2	22.3	22.2	20.6	21.5	11.7	11.2	11.4	11.2	10.6	10.9
10	22.5	22.0	22.3	20.7	19.6	20.0	11.7	11.3	11.4	10.6	9.9	10.2
11	22.4	22.2	22.3	19.6	19.1	19.3	11.7	11.3	11.5	9.9	9.4	9.6
12	22.4	22.2	22.3	19.3	18.9	19.1	12.2	11.5	11.8	9.4	8.7	9.0
13	22.2	21.9	22.1	19.2	18.7	19.0	12.2	12.0	12.1	9.1	8.7	8.9
14	22.6	22.2	22.4	18.7	17.7	18.2	12.3	12.0	12.2	9.3	8.8	9.0
15	22.5	22.0	22.2	17.7	17.0	17.3	12.0	11.4	11.6	9.9	9.2	9.5
16	22.0	21.5	21.8	17.1	16.7	16.9	11.5	11.0	11.2	10.1	9.7	9.9
17	21.7	21.3	21.5	17.4	16.9	17.1	11.4	11.3	11.3	10.1	9.8	9.9
18	21.5	21.2	21.3	17.6	17.0	17.3	11.3	10.7	11.0	11.0	10.0	10.5
19	21.4	20.9	21.1	18.3	17.6	17.9	10.8	10.2	10.4	11.1	10.9	11.0
20	21.3	20.8	21.0	18.3	17.9	18.1	10.6	10.3	10.4	11.0	10.5	10.8
21	21.3	20.8	21.0	18.2	17.6	17.8	10.6	10.0	10.2	10.8	10.3	10.4
22	21.3	20.8	21.0	17.7	17.4	17.6	10.2	9.4	9.7	10.4	10.0	10.2
23	---	---	---	17.6	17.2	17.4	9.8	9.2	9.5	10.2	9.8	9.9
24	20.9	20.4	20.6	17.5	17.3	17.4	10.2	9.6	9.9	10.0	9.4	9.8
25	20.8	20.3	20.6	17.5	16.8	17.1	10.0	9.6	9.8	10.1	9.9	10.0
26	21.3	20.7	20.9	16.8	16.3	16.5	9.6	9.1	9.3	10.0	9.5	9.8
27	21.4	21.1	21.2	16.5	16.1	16.4	9.5	9.0	9.2	9.5	8.8	9.1
28	21.4	20.9	21.2	16.7	16.4	16.6	10.0	9.2	9.5	8.8	8.0	8.4
29	20.9	20.5	20.8	16.5	15.3	15.7	9.9	9.7	9.8	8.1	7.6	7.9
30	20.7	20.1	20.5	15.3	14.5	14.8	10.4	9.8	10.1	7.7	7.2	7.4
31	20.4	19.9	20.2	---	---	---	10.6	10.1	10.3	7.7	7.0	7.3
MONTH	---	---	---	22.5	14.5	18.5	14.5	9.0	11.1	12.6	7.0	10.0

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.2	7.0	7.1	9.5	8.8	9.1	18.0	17.4	17.7	22.3	21.9	22.1
2	7.6	7.0	7.3	10.7	9.4	10	17.6	17.1	17.3	22.7	22.1	22.3
3	8.4	7.6	7.9	12.2	10.7	11.4	17.2	16.6	16.9	22.7	22.4	22.5
4	8.5	7.9	8.2	13.7	12.2	12.9	17.2	16.6	16.9	22.7	21.8	22.1
5	8.9	8.4	8.6	15.2	13.7	14.3	16.9	16.3	16.6	22.2	21.2	21.7
6	10.2	8.9	9.5	16.1	15.2	15.7	17.0	16.3	16.6	22.8	21.5	22.0
7	10.9	10.2	10.5	16.6	16.0	16.3	17.2	16.5	16.9	23.3	22.2	22.6
8	10.6	10.1	10.4	16.4	15.9	16.1	17.5	17.0	17.2	23.8	22.9	23.3
9	10.5	10.2	10.4	15.9	14.8	15.3	18.2	17.4	17.8	24.4	23.6	23.8
10	10.4	10.2	10.3	14.8	13.8	14.1	18.9	18.0	18.4	24.6	23.9	24.2
11	10.4	10.2	10.3	13.8	13.1	13.4	19.8	18.7	19.3	24.6	24.2	24.4
12	10.4	10.2	10.3	13.6	12.8	13.2	20.6	19.7	20.0	24.2	23.8	24.0
13	10.6	10.1	10.3	13.6	12.9	13.3	21.1	20.3	20.7	24.6	23.8	24.1
14	10.6	10.3	10.4	13.8	13.0	13.4	20.5	19.2	19.8	25.0	24.3	24.6
15	10.6	10.2	10.4	14.6	13.6	14.0	19.3	18.7	19.0	25.2	24.5	24.8
16	10.4	10.2	10.3	15.0	14.3	14.7	19.2	18.4	18.8	25.2	24.5	24.7
17	10.3	9.7	10	15.7	14.8	15.2	19.6	18.7	19.1	25.0	24.2	24.4
18	9.9	9.3	9.6	15.8	15.2	15.5	20.1	19.2	19.6	25.0	24.1	24.4
19	9.9	9.3	9.6	15.9	15.1	15.4	20.4	19.5	20.0	25.6	24.9	25.1
20	10.3	9.5	9.9	15.4	14.7	15.0	---	---	---	26.4	25.3	25.7
21	11.1	10.1	10.5	15.7	14.8	15.2	---	---	---	26.9	25.9	26.3
22	11.7	10.7	11.2	15.7	14.9	15.3	---	---	---	27.2	26.4	26.8
23	12.2	11.5	11.8	15.5	14.9	15.2	---	---	---	27.5	26.9	27.2
24	12.4	12.1	12.3	15.3	14.6	15.0	---	---	---	27.7	26.9	27.2
25	12.4	11.5	11.9	15.8	14.9	15.3	---	---	---	27.6	26.9	27.3
26	11.5	9.9	10.6	16.3	15.5	15.9	---	---	---	28.1	27.0	27.5
27	9.9	8.8	9.3	16.7	16.0	16.3	---	---	---	28.1	27.3	27.7
28	9.0	8.3	8.7	17.4	16.4	16.8	---	---	---	28.3	27.6	27.9
29	9.1	8.3	8.7	18.1	17.1	17.5	---	---	---	28.5	27.8	28.1
30	---	---	---	17.9	17.8	17.8	22.5	22.1	22.3	28.7	28.0	28.3
31	---	---	---	18.3	17.7	17.9	---	---	---	28.8	28.3	28.5
MONTH	12.4	7.0	9.9	18.3	8.8	14.7	---	---	---	28.8	21.2	25.0

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

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.7	28.1	28.4	27.8	27.2	27.4	28.8	28.2	28.5	26.8	26.2	26.5
2	28.5	27.7	28.0	27.5	27.0	27.3	28.6	28.1	28.3	26.7	26.3	26.5
3	28.5	27.7	28.0	27.3	26.7	27.0	29.0	28.1	28.5	26.6	26.1	26.3
4	28.3	27.7	27.9	27.3	26.6	27.0	29.8	28.8	29.2	26.3	25.7	26.0
5	28.0	27.5	27.8	27.8	26.8	27.3	30.1	29.4	29.7	26.0	25.6	25.8
6	27.9	27.3	27.6	28.2	27.4	27.8	29.9	29.4	29.7	25.7	25.1	25.4
7	27.9	27.1	27.5	28.7	27.8	28.2	29.4	28.6	29.0	25.1	24.5	24.8
8	28.0	27.2	27.6	29.1	28.4	28.7	28.6	27.9	28.2	24.8	24.2	24.4
9	28.0	27.6	27.8	29.5	28.9	29.1	28.5	27.8	28.1	25.1	24.3	24.7
10	27.9	27.2	27.6	29.7	28.9	29.2	28.4	27.7	28.1	25.0	24.5	24.7
11	28.5	27.5	27.8	29.3	28.5	28.9	28.1	27.7	28.0	24.6	24.2	24.4
12	28.6	27.7	28.2	29.4	28.6	29.0	27.9	27.4	27.8	24.2	23.9	24.1
13	28.4	26.9	27.4	29.6	28.7	29.1	27.4	26.5	27.1	24.0	23.8	23.9
14	27.0	25.8	26.1	30.0	29.0	29.5	26.8	26.4	26.5	23.8	23.5	23.8
15	26.2	25.4	25.7	30.0	29.2	29.8	27.0	26.4	26.7	23.5	23.0	23.2
16	26.3	25.7	25.9	29.4	28.6	29.0	27.4	26.7	27.0	23.5	23.0	23.2
17	27.1	26.2	26.5	29.2	28.6	28.9	27.3	27.0	27.2	24.0	23.4	23.7
18	28.1	26.9	27.3	28.6	27.6	28.1	27.6	26.9	27.3	24.0	23.3	23.7
19	28.9	27.9	28.2	27.8	27.2	27.5	28.0	27.2	27.6	23.8	23.3	23.5
20	29.2	28.6	28.9	27.9	27.1	27.6	28.4	27.5	27.9	23.4	22.5	22.8
21	29.2	28.3	28.8	28.4	27.7	28.0	28.4	28.0	28.2	22.5	21.9	22.1
22	28.4	27.5	28.0	28.6	27.9	28.3	28.5	27.9	28.2	22.2	21.6	21.9
23	27.8	27.2	27.5	29.0	28.2	28.6	28.2	27.5	27.9	22.2	21.7	22.0
24	27.8	27.2	27.5	29.4	28.7	29.0	28.4	27.6	27.9	22.5	21.9	22.2
25	27.7	27.1	27.5	29.5	28.8	29.1	28.7	28.0	28.3	22.6	22.2	22.4
26	27.8	27.3	27.5	29.3	28.7	29.0	28.5	28.1	28.3	22.7	22.4	22.5
27	27.7	26.9	27.3	29.2	28.4	28.8	28.2	27.8	28.0	23.2	22.7	23.0
28	---	---	---	29.7	28.8	29.1	27.9	27.1	27.6	23.9	23.1	23.5
29	27.6	26.6	27.1	29.3	28.5	29.0	27.4	26.7	27.0	24.3	23.7	24.0
30	27.8	27.2	27.4	29.0	28.3	28.6	27.3	26.8	27.1	24.6	24.2	24.4
31	---	---	---	28.9	28.3	28.6	27.0	26.3	26.6	---	---	---
MONTH	---	---	---	30.0	26.6	28.5	30.1	26.3	27.9	26.8	21.6	24.0

SAVANNAH RIVER BASIN
2004 Water Year

02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA

LOCATION.—Lat 32°09'57", long 81°09'14", referenced to North American Datum (NAD) of 1927, Chatham County, Hydrologic Unit 03060109, at right downstream fender of bridge on GA 25, 1.4 miles north of Port Wentworth.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1987 to May 1998, July 1999 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to October 1, 2001, datum of gage was 3.39 feet lower.

REMARKS.—Records good. Previously published as "Savannah River at US 17, at Port Wentworth, GA".

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.69 feet, February 7, 1993 and September 26, 1992; minimum gage-height recorded, -6.80 feet, April 7, 1989 and March 13, 1993, but was lower during the day when the stage went below the recordable range in stage. Extremes have been adjusted to NGVD of 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded**,** 6.26 feet, September 26; minimum gage-height recorded, -5.98 feet, March 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 17, 2004 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.95	-2.71	2.11	5.47	-2.17	1.94	3.95	-3.92	0.12	4.19	-3.11	0.56
2	5.75	-2.34	2.12	5.40	-1.90	2.10	4.18	-3.18	0.75	4.41	-3.27	0.66
3	5.76	-1.57	2.40	5.56	-2.38	2.49	4.61	-2.35	1.37	4.43	-3.62	0.64
4	5.31	-2.79	1.93	5.28	-3.08	2.01	5.16	-2.94	1.71	4.43	-3.62	0.65
5	5.05	-3.32	1.41	5.11	-3.13	1.74	4.95	-3.18	1.19	4.64	-4.05	0.52
6	5.16	-3.32	1.51	5.19	-3.42	1.47	4.37	-3.79	0.82	4.36	-4.40	0.34
7	5.17	-3.19	1.49	4.99	-3.64	1.38	5.05	-3.44	1.35	4.78	-3.98	0.91
8	5.20	-3.22	1.42	5.37	-3.14	1.92	5.09	-3.37	1.35	5.08	-3.62	0.97
9	5.17	-3.66	1.51	5.49	-1.79	2.26	4.98	-3.10	1.45	5.23	-3.47	1.10
10	5.24	-3.16	1.62	5.47	-2.01	2.01	5.31	-2.58	1.36	5.35	-3.07	1.31
11	5.23	-3.13	1.63	5.25	-2.78	1.51	4.48	-4.01	0.16	5.29	-3.42	1.24
12	5.35	-2.54	1.80	4.66	-2.93	0.94	4.90	-3.05	0.95	4.61	-4.10	0.51
13	5.18	-2.52	1.71	3.55	-3.73	0.03	5.38	-2.08	1.76	4.43	-3.95	0.19
14	5.12	-2.26	1.72	4.42	-2.71	0.78	5.34	-2.57	1.52	4.74	-3.59	0.67
15	4.49	-3.15	1.06	4.23	-2.54	0.73	4.86	-2.95	0.93	4.14	-3.70	0.24
16	4.70	-1.81	1.44	4.11	-2.60	0.62	4.90	-2.53	1.08	4.70	-3.23	1.11
17	4.55	-1.84	1.37	4.06	-2.61	0.52	4.54	-3.61	0.31	4.96	-3.45	1.28
18	4.55	-1.51	1.41	4.42	-2.73	0.89	4.44	-4.04	0.43	5.47	-4.62	1.05
19	4.73	-1.51	1.48	4.47	-4.90	0.73	4.52	-4.80	0.05	5.25	-4.63	0.84
20	4.72	-2.39	1.24	4.93	-4.64	0.89	4.69	-4.78	0.46	5.88	-4.40	1.49
21	4.79	-3.56	1.11	5.36	-3.69	1.48	5.56	-5.05	1.23	5.86	-4.70	1.27
22	5.09	-3.88	0.93	5.65	-4.32	1.41	5.78	-5.00	1.17	5.57	-4.82	0.83
23	5.71	-3.73	1.86	5.88	-4.58	1.36	6.04	-5.21	1.23	4.94	-5.23	0.23
24	5.71	-3.83	1.77	6.05	-4.63	1.25	5.84	-4.98	1.01	4.69	-5.20	0.26
25	5.97	-4.08	1.69	6.00	-5.21	1.24	5.40	-5.11	0.59	5.32	-4.37	1.14
26	5.88	-4.47	1.33	6.18	-3.88	1.58	5.32	-4.56	0.70	5.19	-3.29	1.41
27	5.90	-4.38	1.30	5.94	-3.75	1.51	5.21	-4.02	0.80	4.83	-3.54	1.07
28	6.02	-4.23	1.55	5.41	-4.71	0.69	5.10	-3.47	0.92	4.08	-3.75	-0.10
29	5.37	-4.54	1.37	4.45	-4.61	-0.27	4.77	-3.34	0.83	3.67	-3.18	0.22
30	5.70	-3.25	1.50	4.46	-3.44	0.52	4.21	-3.59	0.32	3.63	-2.81	0.10
31	5.54	-2.13	1.82	---	---	---	4.30	-2.65	0.68	3.47	-2.41	0.66
MONTH	6.02	-4.54	1.57	6.18	-5.21	1.26	6.04	-5.21	0.92	5.88	-5.23	0.75

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.71	-1.33	1.55	3.83	-2.54	0.50	4.11	-3.70	0.47	4.34	-3.78	0.73
2	4.95	-2.14	1.85	3.85	-3.61	0.07	4.25	-4.05	0.39	4.92	-4.40	0.87
3	4.51	-3.46	0.69	3.96	-3.71	0.03	4.72	-4.32	0.88	4.89	-5.52	0.38
4	4.54	-4.11	0.49	4.33	-3.98	0.33	4.90	-4.43	0.62	5.58	-5.00	1.06
5	5.08	-3.84	1.16	4.72	-4.31	0.50	5.21	-4.67	1.05	5.68	-4.91	0.93
6	5.15	-3.66	1.09	4.87	-4.90	0.20	5.67	-4.72	0.91	5.69	-5.08	0.67
7	4.12	-4.88	-0.31	4.89	-5.45	0.14	5.27	-5.10	0.63	5.66	-4.51	0.77
8	4.66	-5.38	-0.07	5.01	-5.98	-0.04	5.30	-4.76	0.59	5.63	-4.44	0.84
9	4.86	-4.45	0.53	5.29	-5.09	0.79	5.28	-4.38	0.77	5.52	-3.61	1.03
10	4.50	-4.70	0.29	5.26	-4.06	1.04	5.34	-3.55	1.02	5.10	-3.54	1.05
11	4.29	-4.51	0.10	5.27	-4.33	0.91	5.06	-3.60	0.84	4.93	-3.17	1.04
12	4.55	-3.32	0.81	4.94	-4.20	0.48	5.19	-2.94	0.97	4.69	-3.26	1.01
13	4.64	-3.44	0.77	4.75	-3.71	0.87	4.84	-4.84	0.22	4.56	-3.70	0.94
14	4.64	-3.38	0.96	4.98	-3.17	0.96	3.00	-5.68	-1.06	4.57	-4.13	0.86
15	5.10	-4.04	1.05	4.81	-3.55	0.70	4.39	-4.61	0.42	4.71	-4.09	0.82
16	5.26	-3.23	1.24	4.76	-4.06	0.84	4.64	-4.42	0.71	4.79	-4.18	0.73
17	5.42	-3.75	1.47	4.74	-4.29	0.83	4.76	-4.31	0.64	5.02	-4.05	0.71
18	5.29	-4.64	1.01	5.27	-4.32	1.23	4.57	-4.78	0.29	4.74	-4.25	0.58
19	5.40	-4.92	0.86	5.12	-4.74	0.91	4.49	-4.96	0.10	4.81	-3.97	0.57
20	5.37	-5.11	0.72	5.48	-3.84	1.47	4.46	-4.97	-0.14	4.35	-4.16	0.22
21	4.89	-5.36	0.29	4.91	-4.94	0.73	4.63	-4.56	0.17	4.26	-4.15	0.02
22	4.98	-4.97	0.58	5.03	-3.81	0.99	4.40	-4.16	0.17	4.24	-3.87	0.15
23	4.99	-4.18	0.85	5.02	-3.78	1.11	3.87	-3.93	-0.01	4.15	-3.56	0.20
24	4.83	-3.92	1.08	4.74	-3.66	0.81	3.89	-3.74	-0.12	4.09	-3.37	0.11
25	5.17	-2.04	2.00	4.59	-3.66	0.49	3.87	-3.25	0.22	3.95	-3.53	-0.05
26	5.80	-2.00	2.26	4.29	-3.46	0.25	3.88	-2.58	0.31	3.75	-3.53	-0.03
27	4.66	-2.33	1.23	3.93	-2.78	0.31	3.45	-2.54	0.31	3.51	-3.53	-0.08
28	4.33	-1.73	1.46	3.56	-2.31	0.43	3.47	-2.20	0.82	3.64	-3.74	0.04
29	4.19	-2.08	0.91	4.44	-1.27	1.41	4.20	-2.60	0.84	4.33	-3.69	0.42
30	---	---	---	4.40	-1.38	1.54	4.19	-3.38	0.81	4.92	-3.60	1.13
31	---	---	---	4.40	-2.87	1.16	---	---	---	5.10	-4.51	0.81
MONTH	5.80	-5.38	0.93	5.48	-5.98	0.71	5.67	-5.68	0.46	5.69	-5.52	0.60

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.34	-5.16	0.52	5.69	-5.08	0.91	5.78	-5.00	1.13	4.91	-4.89	0.63
2	5.67	-5.12	0.75	5.75	-5.14	0.79	5.83	-4.28	1.28	4.95	-4.17	1.00
3	5.68	-5.41	0.63	5.78	-5.15	0.82	5.38	-3.92	1.42	5.04	-2.89	1.43
4	5.62	-5.22	0.46	5.72	-4.74	0.86	5.36	-4.06	1.29	5.08	-2.56	1.58
5	5.47	-5.02	0.45	5.43	-4.46	0.92	5.00	-3.66	1.22	5.31	-1.37	2.25
6	5.35	-4.53	0.72	5.42	-4.50	1.01	5.05	-3.75	1.45	5.43	-1.02	2.61
7	5.37	-4.10	0.86	5.29	-3.93	1.19	5.21	-1.77	1.93	4.73	-0.84	2.14
8	5.04	-3.88	0.94	4.95	-3.89	1.07	4.65	-2.40	1.46	4.47	-1.97	1.15
9	4.79	-3.70	0.99	4.68	-3.47	1.01	4.44	-2.44	1.24	4.18	-2.62	0.73
10	4.67	-3.57	1.06	4.73	-3.47	1.10	4.32	-2.40	1.13	4.44	-3.17	0.73
11	4.64	-3.79	0.77	4.80	-2.97	1.24	4.26	-2.74	0.92	5.03	-2.82	1.33
12	4.72	-3.79	0.90	4.59	-3.00	1.12	4.45	-3.04	0.80	5.58	-2.80	1.79
13	5.53	-2.47	1.85	4.54	-3.24	0.74	4.32	-4.00	0.24	5.59	-2.75	1.86
14	5.11	-2.93	1.49	4.41	-3.61	0.47	4.26	-3.25	0.68	5.71	-2.84	2.03
15	4.93	-3.38	1.07	4.15	-3.48	0.40	4.69	-4.13	0.48	5.57	-3.20	1.83
16	4.67	-3.72	0.64	4.96	-3.71	0.80	5.00	-3.83	0.68	5.41	-3.47	1.54
17	4.60	-3.77	0.54	4.87	-3.61	0.84	4.89	-3.58	0.82	4.99	-4.25	1.06
18	4.47	-3.77	0.35	4.61	-3.49	0.62	4.93	-3.69	0.88	4.91	-4.61	0.68
19	4.68	-3.56	0.46	4.82	-3.66	0.70	4.84	-3.83	0.78	5.09	-3.74	1.30
20	5.06	-2.97	1.13	4.84	-3.66	0.81	4.51	-3.95	0.63	5.73	-1.81	2.24
21	5.05	-2.11	1.51	4.66	-3.57	0.79	4.32	-3.92	0.37	5.94	-1.43	2.52
22	4.96	-2.99	0.90	4.59	-3.38	0.86	4.56	-3.77	0.41	5.57	-2.15	2.10
23	4.29	-3.41	0.11	4.51	-3.36	0.79	4.88	-3.42	0.98	5.16	-2.81	1.62
24	3.96	-3.81	0.03	4.40	-3.42	0.76	5.18	-2.86	1.38	5.46	-2.69	1.96
25	3.89	-3.41	0.30	4.56	-3.58	0.74	5.30	-2.80	1.50	5.89	-2.47	2.40
26	3.72	-3.80	0.13	4.70	-3.63	0.80	5.34	-3.78	1.31	6.26	-2.15	2.70
27	4.71	-3.80	0.65	5.07	-3.65	1.00	5.61	-4.11	1.34	6.17	-2.16	2.87
28	4.89	-4.31	0.54	5.30	-4.31	0.99	5.97	-3.75	1.69	4.98	-4.85	0.93
29	5.20	-4.79	0.63	5.45	-4.47	0.93	5.49	-5.21	0.98	5.19	-4.86	0.90
30	5.57	-4.89	0.87	5.81	-4.73	1.11	5.18	-4.91	0.72	5.28	-4.30	1.23
31	---	---	---	5.96	-4.50	1.31	5.03	-5.15	0.61	---	---	---
MONTH	5.68	-5.41	0.74	5.96	-5.15	0.89	5.97	-5.21	1.02	6.26	-4.89	1.64
YEAR	6.26	-5.98	0.96									

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00* CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	0.00	0.00	0.00	0.08	0.24	0.18	0.01
2	---	---	---	---	---	0.00	0.00	1.02	0.00	0.15	0.15	0.06
3	---	---	---	---	---	0.00	0.00	0.05	0.00	0.00	0.03	0.00
4	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.02
6	---	---	---	---	---	0.00	0.00	0.00	0.24	0.00	0.00	2.25
7	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.51
8	---	---	---	---	---	0.00	0.09	0.00	0.00	0.00	0.00	0.02
9	---	---	---	---	---	0.07	0.00	0.00	0.72	0.07	0.00	0.00
10	---	---	---	---	---	0.00	0.00	0.00	0.01	0.22	0.00	0.00
11	---	---	---	---	---	0.00	0.93	0.45	0.00	0.00	0.40	0.16
12	---	---	---	---	---	0.00	2.55	0.05	0.00	0.00	0.88	0.02
13	---	---	---	---	---	0.00	0.44	0.00	2.49	0.00	0.50	0.44
14	---	---	---	---	---	0.00	0.00	0.00	1.63	0.00	0.06	0.76
15	---	---	---	---	---	0.00	0.00	0.00	0.24	0.00	0.01	0.02
16	---	---	---	---	---	0.01	0.00	0.00	0.76	0.00	0.00	0.07
17	---	---	---	---	---	0.00	0.00	0.00	0.00	0.22	0.72	0.02
18	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00
19	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
22	---	---	---	---	0.00	0.00	0.00	0.00	---	0.00	0.32	0.00
23	---	---	---	---	0.04	0.00	0.00	0.41	---	0.00	0.32	0.00
24	---	---	---	---	0.00	0.00	0.00	0.00	---	0.04	0.00	0.00
25	---	---	---	---	0.44	0.00	0.00	0.00	---	0.00	0.22	0.00
26	---	---	---	---	0.68	0.00	0.31	0.00	---	0.26	0.00	0.96
27	---	---	---	---	0.00	0.00	0.00	0.00	---	0.00	0.00	0.90
28	---	---	---	---	0.00	0.00	0.00	0.00	---	0.03	0.00	0.00
29	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
30	---	---	---	---	---	0.01	0.18	0.00	0.59	0.00	0.00	0.00
31	---	---	---	---	---	0.00	---	0.00	---	0.32	0.00	---
TOTAL	---	---	---	---	---	0.09	4.50	1.98	---	1.69	3.79	6.22

SAVANNAH RIVER BASIN
2004 Water Year

02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA

LOCATION.—Lat 32°09'57", long 81°09'14", referenced to North American Datum (NAD) of 1927, Chatham County, Hydrologic Unit 03060109, at right downstream fender of bridge on GA 25, 1.4 miles north of Port Wentworth.

DRAINAGE AREA.—Not determined.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

PERIOD OF RECORD.—October 1987 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1987 to May 1998, June 1999 to current year.
WATER TEMPERATURE: November 1999 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 32,600 microsiemens, April 18, 2001; minimum recorded, 30 microsiemens, January 2, 3, April 2-8, 10, 11, 1993, October 4, 1994, October 28, 1995.
WATER TEMPERATURE: Maximum recorded, 31.7 °C, July 20, 2002; minimum recorded, 5.0°, January 4, 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 31,000 microsiemens, October 19; minimum recorded, 75 microsiemens, March 1, 2.
WATER TEMPERATURE: Maximum recorded, 30.3 °C, July 15; minimum recorded, 7.2°, January 31.

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11200	141	3110	12300	141	3790	12800	125	4250	6420	94	1150
2	15000	139	4440	13600	138	4360	17100	139	6040	12000	95	2440
3	17300	146	7110	15700	163	5810	18300	145	8130	15800	95	2890
4	16600	161	6840	14000	153	5470	17900	230	7730	14400	110	3980
5	15900	162	6570	12000	146	4670	17100	176	6710	18100	131	4690
6	14100	191	6350	9830	146	3710	16400	150	5640	15300	109	4350
7	13500	204	6170	8640	144	3380	19500	144	7630	13800	108	4770
8	11800	208	5210	9680	151	3950	16000	163	5920	12500	116	4210
9	10200	192	4290	12300	195	4700	13300	150	4940	10600	125	3600
10	9420	169	3610	17200	186	6360	12500	150	3970	10800	124	3600
11	10500	154	3970	16200	184	6420	10600	121	2840	12200	130	3450
12	11700	177	4560	14600	179	5520	14100	112	4230	10400	105	2520
13	11600	156	4420	17000	146	5180	17100	104	4920	9850	105	2560
14	13400	146	4860	27500	275	10800	18100	114	3990	15800	113	4570
15	13100	141	4810	29800	478	11200	12300	99	2850	14800	122	4840
16	20700	162	7200	29400	514	11100	14400	97	3030	16500	150	6830
17	23800	219	8200	30000	544	12000	12200	99	1820	15200	137	5910
18	25800	309	9450	26300	351	12800	18600	100	4810	14400	139	4270
19	31100	412	11900	23400	170	9650	14700	100	3620	9850	122	3160
20	27300	267	11900	18200	167	8720	11500	88	2900	10500	116	3300
21	23700	203	11300	17200	241	7850	8740	86	2210	7810	125	2300
22	19200	189	9440	15600	199	6480	3820	88	770	5290	129	1500
23	18000	335	9360	13500	196	5120	1630	92	421	4520	143	1260
24	15700	316	7120	11600	170	3820	543	97	222	4140	148	1490
25	13700	302	5600	10600	162	3080	266	92	142	6830	150	2280
26	12000	200	4200	10100	163	2960	242	92	130	7150	136	2460
27	10800	175	3590	10100	144	2750	446	100	144	---	---	---
28	11300	159	3190	6410	142	1820	674	97	209	11600	154	2970
29	7010	148	2060	6420	137	1310	3800	89	498	15100	161	4630
30	9550	147	2480	11400	134	3270	2060	88	357	18000	157	5140
31	11200	147	2920	---	---	---	4470	93	881	21000	169	6280
MONTH	31100	139	6010	30000	134	5940	19500	86	3290	---	---	---

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	4990	75	519	---	---	---	19900	240	10000
2	---	---	---	11200	75	1020	---	---	---	16900	225	8000
3	---	---	---	11200	76	1390	---	---	---	12500	157	5510
4	---	---	---	11400	77	1270	16500	161	6910	12000	182	4950
5	---	---	---	8530	80	1220	12900	192	5740	10500	161	3740
6	---	---	---	3180	83	410	11100	160	4330	9380	154	2730
7	---	---	---	346	92	166	9490	145	3530	8350	151	2370
8	---	---	---	326	92	155	8380	145	2690	8560	145	2420
9	---	---	---	570	90	182	8170	137	2720	8420	139	2400
10	---	---	---	1310	95	252	8560	131	2750	8280	151	2840
11	---	---	---	1540	93	372	8900	128	2730	8700	156	3110
12	---	---	---	1830	94	407	8620	111	2140	8020	158	3230
13	---	---	---	4220	96	1010	7790	118	2260	7430	147	2600
14	14300	111	4500	9040	93	1860	14600	131	4010	7100	146	2580
15	13200	111	3960	8700	92	2110	18200	152	7950	7940	139	3010
16	13700	106	3380	7010	94	2000	15400	160	6970	9330	135	3250
17	12500	103	3270	7890	96	2490	13400	168	5500	7860	140	2930
18	8200	98	2000	8260	98	2160	10500	146	4010	6840	138	2360
19	4310	97	958	4060	104	1130	7500	151	2430	7520	134	2470
20	1540	96	416	3030	84	788	6640	127	1780	9710	135	2850
21	580	93	238	625	80	245	8760	121	2350	12200	146	3850
22	484	92	212	633	81	238	8480	123	2800	13600	157	4770
23	1100	100	278	761	86	221	9930	130	2870	---	---	---
24	3300	106	507	1170	98	233	15200	133	3940	21000	188	6990
25	8980	100	1170	4170	107	531	18700	156	5110	22400	217	8160
26	14500	82	2750	10400	118	1450	19800	186	6720	22800	306	9780
27	6160	79	935	17100	125	2650	---	---	---	24500	384	11500
28	13100	80	1720	19400	134	5280	---	---	---	25800	428	13100
29	7680	76	1150	---	---	---	---	---	---	25000	878	14300
30	---	---	---	---	---	---	---	---	---	24200	502	14300
31	---	---	---	---	---	---	---	---	---	21700	281	11700
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20300	289	9790	11400	138	4000	11100	174	4310	4460	108	1460
2	19500	329	9360	9930	140	2890	11800	185	4100	6640	110	1840
3	17300	343	8320	8790	133	2170	11500	199	4300	8500	111	2410
4	16400	283	7030	7340	126	1800	10800	186	4180	11600	114	3130
5	15500	243	5970	7300	122	1380	11000	175	4400	17600	123	4730
6	15500	253	5680	5390	121	1550	11700	167	5050	14500	161	4050
7	14600	232	5740	6220	124	2010	16600	200	7130	1970	105	478
8	14300	229	5930	7580	123	2430	17800	213	7430	8150	92	1090
9	13600	253	6120	9680	133	3190	19700	214	8140	24900	96	3050
10	14600	225	6790	14400	132	5220	23100	250	9470	17300	107	4880
11	12900	190	5640	17000	146	6720	23500	345	10600	21800	106	5960
12	14500	159	5660	18200	128	6580	21700	434	10800	15300	102	5300
13	18800	201	6860	21900	127	7330	20900	245	9890	11100	101	3190
14	13100	128	3900	20100	141	8130	19700	312	9840	5200	99	1460
15	8170	126	2680	21700	145	8470	17500	193	7910	2370	88	588
16	8850	115	2240	24900	163	9570	14600	169	6290	783	86	318
17	10700	122	3200	20500	172	8920	14200	205	6450	593	86	197
18	14700	135	4260	18300	138	7300	13900	185	6200	1620	86	249
19	18300	156	5870	17800	139	7120	12000	175	5300	3090	85	584
20	20900	193	7980	16700	152	6980	11300	163	4740	8010	86	1360
21	19100	224	7490	16800	168	7110	11500	151	4350	14300	87	2700
22	18000	153	5670	16800	204	7090	12900	145	4750	11700	87	2010
23	15100	132	4450	15700	182	6540	15500	147	5860	5400	87	964
24	16000	141	5270	15500	182	6770	16000	155	7000	7260	88	1250
25	18000	134	6110	16400	172	7030	14900	150	6930	7980	91	1700
26	19200	124	5920	15500	164	6870	13500	165	6070	5970	97	1360
27	20000	132	7870	15100	162	6460	11500	164	5100	1320	101	328
28	18600	108	6450	14400	166	6020	11500	170	4480	243	101	135
29	15200	115	5620	13000	179	5530	9250	135	3290	585	103	193
30	13800	124	5170	13000	176	5180	5920	113	2150	1710	118	504
31	---	---	---	12500	191	4900	4860	108	1650	---	---	---
MONTH	20900	108	5970	24900	121	5590	23500	108	6070	24900	85	1920

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.9	22.7	23.7	21.2	19.9	20.6	16.3	13.9	14.9	10.9	10.1	10.4
2	24.5	22.5	23.5	21.1	19.7	20.4	16.0	13.4	14.6	10.7	9.9	10.3
3	24.2	21.8	23.1	21.0	19.7	20.4	15.6	12.9	14.2	10.9	10.2	10.5
4	23.7	21.6	22.7	21.1	19.9	20.6	15.2	12.7	13.8	11.4	10.3	10.9
5	23.3	21.8	22.6	21.4	20.5	21.0	14.7	12.3	13.4	12.6	11.3	11.8
6	23.2	22.0	22.7	21.9	21.2	21.6	14.2	11.8	12.8	12.8	12.0	12.4
7	23.1	22.0	22.6	22.4	21.8	22.1	13.8	11.7	12.6	12.3	11.6	12.0
8	23.1	21.9	22.5	22.6	22.3	22.4	13.1	11.6	12.2	12.0	11.2	11.6
9	23.0	22.1	22.6	22.3	21.0	21.8	12.8	11.4	12.0	11.8	10.8	11.3
10	23.1	22.2	22.7	21.9	19.8	20.8	12.6	11.3	11.9	11.5	10.1	10.8
11	23.2	22.2	22.7	21.2	19.2	20.2	12.4	11.4	11.8	11.1	9.4	10.1
12	23.2	22.2	22.8	20.8	19.1	20.0	12.5	11.3	11.9	10.6	9.0	9.6
13	23.4	22.1	22.8	20.6	18.9	19.7	12.6	11.8	12.2	10.2	8.7	9.4
14	23.6	22.2	22.9	20.3	18.1	19.2	12.7	11.9	12.2	10.3	8.8	9.5
15	23.5	22.1	22.7	20.0	17.4	18.6	12.5	11.5	11.9	10.3	9.1	9.7
16	23.4	21.7	22.6	19.8	17.0	18.3	12.4	11.0	11.6	10.4	9.5	10
17	23.2	21.4	22.3	19.6	16.9	18.3	12.2	11.1	11.4	10.4	9.7	10.1
18	23.1	21.2	22.1	19.4	17.3	18.4	12.1	10.7	11.2	11.0	10.0	10.5
19	23.0	21.0	22.0	19.3	17.7	18.6	11.7	10.2	10.7	11.2	10.7	10.9
20	22.7	20.8	21.8	19.0	17.8	18.4	11.2	10.0	10.4	11.1	10.5	10.8
21	22.5	20.9	21.7	18.8	17.5	18.2	10.6	9.9	10.2	10.8	10.4	10.6
22	22.2	20.9	21.6	18.6	17.5	18.0	10.1	9.5	9.8	10.6	10.0	10.4
23	22.0	20.8	21.4	18.4	17.3	17.8	10.1	9.3	9.7	10.4	9.9	10.2
24	21.6	20.5	21.1	18.4	17.3	17.8	10.5	9.7	10.1	10.4	9.6	10.0
25	21.4	20.4	21.0	18.2	16.9	17.5	10.4	9.7	10.0	10.5	9.9	10.2
26	21.6	20.7	21.2	17.8	16.4	17.1	10.1	9.2	9.6	10.6	9.7	10.1
27	21.7	21.1	21.4	17.8	16.2	17.0	9.8	9.0	9.4	---	---	---
28	21.8	21.0	21.4	17.6	16.4	16.9	10.1	9.1	9.5	10.3	8.3	9.0
29	21.6	20.6	21.1	16.9	15.1	16.0	10.5	9.7	9.9	10.0	7.8	8.7
30	21.6	20.2	20.9	16.8	14.5	15.4	10.6	9.8	10.1	9.6	7.4	8.2
31	21.4	19.9	20.7	---	---	---	10.8	10.1	10.4	9.6	7.2	8.1
MONTH	24.9	19.9	22.2	22.6	14.5	19.1	16.3	9.0	11.5	---	---	---

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	9.5	8.8	9.2	17.8	16.6	17.3	22.6	22.2	22.4
2	---	---	---	10.8	9.4	9.9	17.6	16.8	17.2	23.0	22.2	22.6
3	---	---	---	12.0	10.3	11.1	17.3	17.0	17.1	22.9	22.4	22.6
4	---	---	---	13.4	11.2	12.5	17.5	16.9	17.1	22.6	22.1	22.4
5	---	---	---	15.0	12.6	14.0	17.4	16.6	17.1	22.6	21.4	22.1
6	---	---	---	16.1	14.4	15.5	17.5	16.4	17.1	22.7	21.6	22.2
7	---	---	---	16.9	16.0	16.3	17.6	16.5	17.1	23.5	22.2	22.8
8	---	---	---	16.5	16.0	16.2	17.8	17.0	17.4	24.1	22.9	23.4
9	---	---	---	16.2	15.3	15.7	18.4	17.3	17.8	24.3	23.4	23.8
10	---	---	---	15.8	14.2	14.7	19.1	17.9	18.3	24.6	23.8	24.1
11	---	---	---	14.9	13.2	13.9	19.9	18.3	19.0	24.4	24.1	24.2
12	---	---	---	14.2	12.9	13.6	20.4	18.9	19.7	24.5	24.0	24.2
13	---	---	---	14.1	13.0	13.5	21.0	19.6	20.2	24.6	23.9	24.3
14	11.0	10.2	10.6	14.2	13.1	13.6	20.5	19.3	19.8	24.8	24.4	24.6
15	10.9	10.2	10.5	14.7	13.6	14.1	19.6	18.9	19.3	25.3	24.6	24.9
16	10.9	10.1	10.5	14.9	14.3	14.6	19.7	18.9	19.2	25.6	24.8	25.0
17	10.7	9.6	10.2	15.4	14.6	15.0	19.7	18.8	19.3	25.5	24.7	25.1
18	10.2	9.4	9.8	15.9	14.9	15.4	20.1	19.3	19.7	25.4	24.3	24.9
19	10.2	9.5	9.9	16.2	15.4	15.8	20.6	19.8	20.1	25.7	24.6	25.2
20	10.6	9.5	10.1	16.3	15.3	15.8	20.8	20.0	20.4	26.1	25.3	25.6
21	11.3	10.1	10.7	16.2	14.9	15.6	21.2	20.3	20.7	26.8	25.7	26.2
22	11.6	10.7	11.2	15.9	14.9	15.4	21.9	20.8	21.2	27.2	26.1	26.6
23	12.3	11.3	11.7	15.6	14.9	15.3	22.5	21.3	21.8	---	---	---
24	12.7	11.9	12.3	15.6	14.7	15.2	22.9	21.6	22.2	27.8	26.7	27.2
25	12.7	11.6	12.2	15.8	14.9	15.4	23.3	21.7	22.6	28.0	26.7	27.3
26	12.1	10.2	11.0	16.4	15.5	15.9	23.6	21.8	22.9	28.3	26.9	27.4
27	11.0	8.9	9.6	17.0	16.0	16.4	23.5	21.9	22.8	28.1	27.0	27.5
28	10.5	8.5	9.0	17.6	16.0	16.7	23.6	22.0	22.6	28.2	27.1	27.6
29	9.6	8.4	8.9	17.8	15.7	17.0	23.0	22.2	22.6	28.4	27.3	27.8
30	---	---	---	17.7	16.1	17.1	22.7	22.3	22.5	28.5	27.5	27.9
31	---	---	---	17.9	16.5	17.3	---	---	---	28.6	27.9	28.2
MONTH	---	---	---	17.9	8.8	14.8	23.6	16.4	19.7	---	---	---

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

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 0.0 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.6	28.0	28.2	28.3	27.2	27.7	29.4	28.4	28.9	27.9	26.2	27.1
2	28.7	27.9	28.2	28.3	27.2	27.7	29.4	28.3	28.8	27.9	26.5	27.2
3	28.6	27.9	28.3	28.2	26.9	27.5	29.5	28.1	28.9	27.8	26.1	27.0
4	28.4	27.8	28.1	28.4	26.8	27.6	29.9	28.6	29.3	27.7	26.0	26.9
5	28.4	27.4	28.0	28.5	26.9	27.8	30.2	29.2	29.7	27.9	25.8	26.7
6	28.4	27.4	27.9	29.2	27.5	28.3	30.2	29.5	29.8	27.5	25.3	26.2
7	28.5	27.2	27.9	29.3	27.9	28.7	30.0	28.8	29.4	25.9	24.8	25.3
8	28.8	27.4	28.1	29.3	28.1	28.8	29.8	28.1	28.9	25.9	24.5	25.0
9	28.6	27.7	28.1	29.6	28.7	29.2	29.4	27.9	28.8	26.6	24.4	25.0
10	28.4	27.5	28.0	29.9	29.1	29.5	29.2	28.0	28.6	26.0	24.7	25.3
11	28.6	27.6	28.2	30.0	29.0	29.5	29.0	28.0	28.5	26.1	24.5	25.1
12	28.9	28.1	28.5	30.0	28.9	29.4	28.7	27.8	28.2	25.6	24.1	24.8
13	28.9	26.8	28.4	30.1	29.1	29.5	28.4	27.2	27.9	25.2	23.8	24.3
14	28.0	26.1	27.0	30.1	29.3	29.7	28.2	26.9	27.6	24.5	23.6	24.0
15	27.3	25.8	26.4	30.3	29.7	29.9	28.2	26.6	27.4	24.2	23.3	23.8
16	27.2	25.8	26.4	30.0	29.3	29.6	28.1	26.7	27.4	24.2	23.1	23.6
17	27.4	26.1	26.7	29.8	28.9	29.4	28.0	27.0	27.5	24.6	23.5	24.0
18	28.2	26.8	27.4	29.6	28.4	29.1	28.2	27.0	27.7	24.7	23.6	24.1
19	29.1	27.7	28.1	29.4	27.6	28.6	28.5	27.3	28.0	24.6	23.4	23.9
20	29.3	28.3	28.7	29.4	27.5	28.5	28.8	27.7	28.3	24.3	22.7	23.3
21	29.1	28.7	28.9	29.6	27.6	28.6	28.8	28.0	28.5	24.2	22.1	22.8
22	29.1	27.9	28.5	29.8	28.0	28.9	29.0	27.9	28.5	23.4	21.8	22.3
23	28.9	27.4	28.2	29.8	28.3	29.0	29.0	27.9	28.5	22.8	21.7	22.2
24	28.8	27.2	28.1	29.8	28.7	29.2	29.0	27.6	28.4	22.9	21.9	22.4
25	29.3	27.4	28.1	29.7	28.9	29.3	28.9	27.9	28.5	23.0	22.3	22.6
26	28.8	27.3	28.0	29.8	29.0	29.4	28.9	28.1	28.5	23.0	22.4	22.7
27	28.7	27.2	27.9	29.8	28.8	29.3	28.8	28.0	28.4	23.4	22.6	23.0
28	28.5	26.7	27.6	29.8	28.8	29.3	28.7	27.7	28.3	23.9	23.0	23.4
29	28.5	26.9	27.7	30.0	29.0	29.3	28.3	27.1	27.7	24.4	23.6	24.0
30	28.4	27.3	27.8	29.7	28.7	29.2	28.2	27.1	27.6	25.0	24.1	24.5
31	---	---	---	29.7	28.5	29.1	28.3	26.7	27.5	---	---	---
MONTH	29.3	25.8	27.9	30.3	26.8	28.9	30.2	26.6	28.4	27.9	21.7	24.4

SAVANNAH RIVER BASIN
2004 Water Year

02198977 SAVANNAH RIVER AT BROAD STREET AT SAVANNAH, GA

LOCATION.—Lat 32°05'02", long 81°05'45", referenced to North American Datum (NAD) of 1927, Chatham County, Hydrologic Unit 3060109, at downstream side of seawall at SEPCO Riverside Power Plant, located on River Street at the foot of Martin Luther King Jr. Boulevard, 0.4 miles northwest of U.S. Customs House at Savannah.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929, supplementary adjustment of 1936 (levels by U.S. Army Corps of Engineers). Prior to October 1, 2001, gage datum was 3.46 feet lower.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.58 feet, February 7, 1993; minimum gage-height recorded, -6.38 feet, November 6, 2002. Extremes have been adjusted to NGVD of 1929 (SA of 1936).

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 6.68 feet, September 27; minimum gage-height recorded, -6.04 feet, March 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 14, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02198977 SAVANNAH RIVER AT BROAD STREET, AT SAVANNAH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320502 LONGITUDE 0810545 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.94	-2.60	1.98	5.40	-2.07	1.86	3.72	-3.79	0.06	3.89	-3.18	0.44
2	5.67	-2.21	2.01	5.33	-1.76	2.03	3.97	-3.13	0.70	4.15	-3.21	0.54
3	5.67	-1.56	2.28	5.53	-2.30	2.41	4.47	-2.30	1.34	4.18	-3.61	0.52
4	5.16	-2.71	1.81	5.18	-2.97	1.93	5.07	-2.99	1.64	4.20	-3.66	0.52
5	4.91	-3.25	1.32	4.99	-2.97	1.67	4.78	-3.17	1.12	4.37	-4.06	0.35
6	5.00	-3.25	1.41	5.06	-3.28	1.41	4.14	-3.68	0.77	4.10	-4.37	0.18
7	5.02	-3.08	1.39	4.86	-3.50	1.33	4.90	-3.40	1.28	4.50	-3.97	0.76
8	5.07	-3.17	1.32	5.30	-3.03	1.89	4.95	-3.19	1.28	4.83	-3.68	0.81
9	5.02	-3.56	1.42	5.46	-1.66	2.23	4.86	-3.02	1.38	5.00	-3.49	0.96
10	5.08	-3.07	1.51	5.43	-1.90	1.97	5.19	-2.46	1.29	5.14	-3.06	1.16
11	5.09	-3.02	1.55	5.16	-2.69	1.46	4.24	-3.97	0.11	5.10	-3.43	1.07
12	5.23	-2.42	1.72	4.52	-2.82	0.91	4.70	-3.31	0.84	4.31	-4.14	0.34
13	5.04	-2.46	1.62	3.44	-3.62	0.03	5.21	-2.02	1.64	4.10	-3.97	0.04
14	5.05	-2.27	1.63	4.32	-2.58	0.79	5.15	-2.62	1.36	4.47	-3.57	0.52
15	4.33	-3.09	0.98	4.12	-2.43	0.74	4.56	-3.00	0.75	3.82	-3.73	0.09
16	4.54	-1.73	1.39	3.99	-2.49	0.63	4.58	-2.59	0.90	4.44	-3.24	0.93
17	4.39	-1.75	1.31	3.92	-2.52	0.53	4.25	-3.72	0.11	4.70	-3.46	1.08
18	4.41	-1.48	1.35	4.24	-2.69	0.85	4.02	-4.28	0.20	5.25	-4.64	0.83
19	4.59	-1.49	1.43	4.28	-4.77	0.67	4.08	-4.86	-0.17	4.99	-4.64	0.64
20	4.54	-2.38	1.16	4.82	-4.30	0.87	4.39	-4.88	0.25	5.73	-4.48	1.27
21	4.54	-3.56	1.00	5.31	-3.92	1.43	5.33	-4.95	0.97	5.74	-4.69	1.05
22	4.95	-3.82	0.83	5.74	-4.18	1.38	5.60	-5.09	0.94	5.11	-4.59	0.58
23	5.61	-3.70	1.76	5.90	-4.13	1.32	5.80	-4.94	1.03	4.53	-5.38	0.10
24	5.63	-3.75	1.65	6.10	-4.46	1.20	5.52	-4.52	-0.05	4.29	-4.81	0.11
25	5.92	-4.09	1.56	5.98	-5.05	1.15	-1.58	-1.59	-1.58	---	---	---
26	5.87	-4.42	1.23	6.16	-3.75	1.48	-1.59	-1.60	-1.59	---	---	---
27	5.88	-4.34	1.20	5.95	-3.59	1.40	-0.64	-3.79	-1.64	4.62	-3.38	1.00
28	6.00	-4.10	1.45	5.31	-4.64	0.57	4.71	-3.17	0.32	3.83	-3.78	-0.18
29	5.33	-4.42	1.26	4.25	-4.52	-0.29	4.52	-3.28	0.72	3.49	-3.12	0.13
30	5.63	-3.05	1.42	4.25	-3.37	0.44	3.93	-3.67	0.18	3.38	-2.75	0.04
31	5.48	-2.04	1.75	---	---	---	4.02	-2.62	0.55	3.30	-2.35	0.61
MONTH	6.00	-4.42	1.47	6.16	-5.05	1.21	5.80	-5.09	0.54	---	---	---

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

STATION NUMBER 02198977 SAVANNAH RIVER AT BROAD STREET, AT SAVANNAH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320502 LONGITUDE 0810545 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.64	-1.33	1.49	3.67	-2.58	0.46	4.03	-3.64	0.53	---	---	---
2	4.83	-2.14	1.77	3.70	-3.52	0.05	4.18	-3.91	0.45	---	---	---
3	4.37	-3.57	0.63	3.76	-3.70	0.01	4.80	-4.13	0.96	5.11	-5.35	0.50
4	4.31	-4.13	0.42	4.16	-3.90	0.33	5.01	-4.78	0.70	5.84	-4.93	1.13
5	4.90	-3.73	1.06	4.59	-4.15	0.46	5.32	-4.58	1.08	5.92	-4.79	0.97
6	4.92	-3.58	0.97	4.67	-4.79	0.14	5.74	-4.61	0.92	5.90	-5.02	0.74
7	3.97	-4.68	-0.27	4.68	-5.32	0.09	5.50	-5.00	0.65	5.71	-4.44	0.75
8	4.47	-5.33	-0.08	4.88	-6.04	-0.05	5.31	-4.67	0.60	5.56	-4.31	0.85
9	4.71	-4.28	0.49	5.19	-4.79	0.62	5.33	-4.21	0.77	5.54	-3.46	1.04
10	4.32	-4.64	0.24	5.21	-3.87	1.01	5.33	-3.42	1.00	5.16	-3.36	1.09
11	4.22	-4.35	0.08	5.18	-4.14	0.86	5.05	-3.42	0.85	5.10	-3.03	1.06
12	4.40	-3.37	0.78	---	---	---	5.15	-2.82	0.93	4.81	-3.26	1.06
13	4.53	-3.26	0.74	4.67	-3.61	0.83	4.77	-4.70	0.18	4.62	-3.55	0.98
14	4.56	-3.23	0.94	4.92	-3.03	0.93	2.88	-5.54	-1.02	4.63	-3.98	0.92
15	5.09	-3.87	1.01	---	---	---	4.39	-4.47	0.48	4.76	-3.93	0.89
16	5.22	-3.12	1.20	---	---	---	4.71	-4.29	0.75	4.87	-3.99	0.80
17	5.40	-3.88	1.41	---	---	---	4.69	-4.39	0.62	---	---	---
18	5.18	-4.50	0.96	---	---	---	4.62	-4.66	0.33	4.81	-4.06	0.83
19	5.30	-4.67	0.82	---	---	---	4.54	-4.86	0.12	---	---	---
20	5.29	-4.99	0.69	5.56	-3.69	1.56	4.47	-4.84	-0.10	---	---	---
21	4.67	-5.23	0.27	4.95	-4.72	0.78	4.51	-4.45	0.17	4.28	-4.05	0.23
22	4.84	-5.02	0.55	5.15	-3.61	1.10	4.38	-4.04	0.19	---	---	---
23	4.88	-3.97	0.83	4.93	-3.69	1.11	3.85	-3.73	0.00	4.11	-3.38	0.23
24	4.69	-3.70	1.08	4.63	-3.51	0.78	3.78	-3.56	-0.05	---	---	---
25	5.34	-1.79	2.03	4.26	-3.56	0.47	3.75	-3.13	0.28	---	---	---
26	5.90	-1.80	2.25	4.09	-3.30	0.26	3.82	-2.48	0.36	3.66	-3.39	0.00
27	4.58	-2.18	1.23	3.78	-2.70	0.32	3.40	-2.44	0.41	---	---	---
28	4.30	-1.60	1.44	3.51	-2.22	0.49	3.57	-2.07	0.92	---	---	---
29	4.08	-1.97	0.89	4.44	-1.29	1.47	4.20	-2.48	0.90	4.48	-3.58	0.64
30	---	---	---	4.44	-1.19	1.60	---	---	---	5.11	-3.51	1.11
31	---	---	---	4.40	-2.73	1.22	---	---	---	5.29	-4.46	0.28
MONTH	5.90	-5.33	0.89	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 02198977 SAVANNAH RIVER AT BROAD STREET, AT SAVANNAH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320502 LONGITUDE 0810545 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	5.68	-5.15	0.71	5.95	-4.74	1.01	5.11	-4.51	0.86
2	---	---	---	5.74	-5.26	0.59	5.99	-4.09	1.24	5.21	-3.70	1.27
3	---	---	---	5.77	-5.27	0.59	5.40	-3.93	1.33	5.43	-2.39	1.77
4	---	---	---	5.61	-5.01	0.60	5.10	-3.96	1.20	5.36	-1.99	1.89
5	---	---	---	5.25	-4.69	0.60	4.95	-3.60	1.13	5.66	-0.88	2.58
6	---	---	---	5.10	-4.74	0.69	4.87	-3.73	1.29	5.70	-0.66	2.91
7	---	---	---	5.05	-4.12	0.84	5.12	-1.82	1.77	4.93	-0.53	2.40
8	---	---	---	4.66	-4.06	0.73	4.53	-2.36	1.33	4.68	-1.49	1.45
9	---	---	---	4.33	-3.70	0.66	4.35	-2.37	1.14	4.45	-2.14	1.04
10	---	---	---	4.39	-3.72	0.72	4.27	-2.36	1.04	4.71	-2.69	1.09
11	---	---	---	4.44	-3.41	0.86	4.20	-2.69	0.85	5.29	-2.32	1.69
12	---	---	---	4.18	-3.33	0.68	4.27	-2.96	0.75	5.99	-2.18	2.13
13	---	---	---	4.25	-3.60	0.35	4.22	-3.88	0.22	5.97	-2.20	2.22
14	---	---	---	4.04	-3.89	0.05	4.27	-3.11	0.71	6.10	-2.34	2.35
15	4.92	-3.21	1.11	3.71	-3.88	-0.04	4.71	-3.97	0.49	5.92	-2.75	2.14
16	4.66	-3.63	0.66	4.62	-3.99	0.38	4.91	-3.69	0.66	5.90	-2.98	1.96
17	4.62	-3.67	0.56	4.46	-4.06	0.39	4.90	-3.43	0.85	5.40	-3.67	1.46
18	4.45	-3.76	0.36	4.01	-4.00	0.08	4.98	-3.49	0.93	5.36	-3.92	1.15
19	4.67	-3.49	0.48	4.29	-4.25	0.21	4.75	-4.04	0.77	5.60	-3.00	1.78
20	5.10	-2.91	1.14	4.27	-4.07	0.25	4.33	-3.76	0.63	6.33	-1.16	3.00
21	4.92	-2.07	1.44	4.08	-4.16	0.26	4.17	-3.81	0.36	6.61	-0.81	3.00
22	4.66	-3.03	0.77	3.95	-3.87	0.32	4.40	-3.70	0.40	6.16	-1.58	2.55
23	3.94	-3.45	0.01	3.92	-3.85	0.24	4.90	-3.21	0.99	4.97	-3.00	1.90
24	3.65	-3.84	-0.08	3.80	-3.92	0.19	5.29	-2.64	1.44	5.30	-2.88	1.62
25	3.62	-3.43	0.16	3.97	-4.09	0.14	5.46	-2.64	1.59	5.79	-2.67	2.11
26	3.54	-3.86	0.00	4.13	-4.19	0.17	5.59	-3.50	1.42	6.23	-2.32	2.45
27	4.56	-3.90	0.50	4.48	-4.32	0.32	5.83	-3.75	1.48	6.68	-1.78	3.15
28	4.62	-4.45	0.33	4.75	-4.93	0.28	6.35	-3.45	1.85	5.53	-4.06	1.41
29	5.13	-4.91	0.43	4.80	-5.07	0.26	5.72	-4.84	1.10	5.76	-4.06	1.48
30	5.54	-5.02	0.68	5.37	-5.33	0.44	5.36	-4.55	0.87	5.93	-3.48	1.85
31	---	---	---	5.49	-5.10	0.55	5.23	-4.71	0.80	---	---	---
MONTH	---	---	---	5.77	-5.33	0.42	6.35	-4.84	1.02	6.68	-4.51	1.96

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

STATION NUMBER 02198977 SAVANNAH RIVER AT BROAD STREET, AT SAVANNAH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320502 LONGITUDE 0810545 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	0.19	0.28	0.40
2	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	0.26	0.08	0.03
3	0.00	0.10	0.00	0.00	0.00	0.00	---	0.12	---	0.00	0.04	0.03
4	0.00	0.07	0.60	0.00	0.00	0.00	---	0.00	---	0.00	0.00	0.01
5	0.00	0.14	0.03	0.00	0.00	0.00	---	0.00	---	0.00	0.00	0.03
6	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00	0.00	2.32
7	0.06	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.01	0.00	0.68
8	0.00	0.00	0.00	0.08	0.00	0.00	---	0.00	---	0.00	0.00	0.00
9	0.00	0.00	0.00	0.41	0.00	0.00	---	0.00	---	0.05	0.00	0.00
10	0.00	0.00	0.23	0.01	0.00	0.00	---	0.00	---	0.04	0.00	0.03
11	0.03	0.00	0.00	0.00	0.00	0.00	---	0.04	---	0.00	0.03	0.01
12	0.00	0.00	0.00	0.00	0.00	---	---	0.00	---	0.00	2.84	0.14
13	0.07	0.00	0.01	0.00	0.00	0.00	---	0.00	---	0.00	0.23	0.51
14	0.00	0.00	0.46	0.00	0.00	0.00	---	0.00	---	0.00	0.09	0.13
15	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.41	0.00	0.33	0.00
16	0.00	0.00	0.00	0.00	0.00	---	---	0.20	0.77	0.00	0.00	0.01
17	0.34	0.00	0.01	0.00	0.00	---	---	---	0.00	0.20	1.36	0.00
18	0.03	0.00	0.00	0.02	0.00	---	---	0.01	0.00	1.35	0.00	0.00
19	0.00	0.44	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	---	---	---	0.84	0.00	0.05	0.00
22	0.00	0.00	0.00	0.00	0.00	---	---	---	0.16	0.00	0.12	0.00
23	0.00	0.00	0.00	0.00	0.00	---	---	0.02	1.10	0.00	0.71	0.00
24	0.00	0.01	0.01	0.00	0.00	0.00	---	---	0.57	0.00	0.00	0.00
25	0.04	0.00	0.00	0.00	0.00	0.00	---	---	0.81	0.51	0.00	0.00
26	0.01	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.12	0.00	0.55
27	0.09	0.00	0.00	0.00	0.00	0.00	---	---	0.11	0.00	0.20	0.34
28	2.00	0.19	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.12	0.00
29	0.04	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.05	0.00	0.00
30	0.00	0.00	0.00	0.00	---	---	---	---	0.02	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	---	---	---	---	0.99	1.26	---
TOTAL	2.71	0.95	1.35	0.52	0.00	---	---	---	---	3.77	7.74	5.22

021989784 LITTLE BACK RIVER ABOVE LUCKNOW CANAL, NEAR LIMEHOUSE, SC

LOCATION.—Lat 32°11'08", long 81°07'05", referenced to North American Datum (NAD) of 1927, Jasper County, SC, Hydrologic Unit 03060109, on a free-standing platform near the left bank, 300 feet upstream from the north control gate of Lucknow Canal, near the service road to the northern part of the Savannah National Wildlife Refuge, 1.3 miles north of the Refuge Headquarters, and 3.4 miles southwest of Limehouse, SC.

DRAINAGE AREA.—Not determined.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

CONTINUOUS WATER-QUALITY RECORDS

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 1990 to current year.
WATER TEMPERATURE: November 1999 to current year.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 12,200 microsiemens October 6, 1990; minimum recorded, 40 microsiemens, on several days in water years 1993, 1995, and 1998.
WATER TEMPERATURE: Maximum recorded, 30.8 °C, July 20, 2000; minimum recorded, 4.6 °C, January 4, 5, 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 2,430 microsiemens, October 24; minimum recorded, 81 microsiemens, March 2.
WATER TEMPERATURE: Maximum recorded, 30.3 °C, July 30; minimum recorded, 7.8 °C, January 12.

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

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1360	275	378	676	223	316	327	150	228	110	99	106
2	679	259	347	555	218	312	440	164	280	111	102	108
3	724	288	393	687	261	361	622	167	363	114	104	111
4	731	377	467	926	313	430	708	319	531	132	108	121
5	1330	416	615	1020	356	506	541	204	397	155	118	137
6	1640	513	774	1010	393	512	424	165	286	170	125	146
7	1220	623	810	977	362	507	503	164	335	191	122	157
8	1150	655	826	965	372	517	500	249	410	267	146	203
9	1240	638	800	790	399	498	450	258	410	354	214	290
10	1030	544	685	981	319	479	454	260	383	354	229	304
11	824	440	566	1010	326	510	301	161	213	337	205	275
12	715	384	515	731	268	497	212	130	171	274	151	198
13	731	365	502	626	154	304	222	117	163	178	119	140
14	587	281	440	569	145	279	224	113	153	201	116	147
15	750	203	368	513	171	305	162	106	128	232	138	179
16	436	156	244	522	168	285	125	103	112	380	185	302
17	348	166	229	670	177	318	128	101	111	422	267	370
18	332	157	205	1010	237	417	152	102	117	466	247	396
19	458	152	223	1060	385	708	140	106	123	276	205	258
20	591	179	327	980	284	656	148	111	134	361	230	301
21	741	271	466	1210	905	1080	202	118	163	365	284	325
22	897	397	724	1320	910	1120	179	126	163	349	298	322
23	2130	894	1180	1360	824	1010	148	123	139	321	244	276
24	2430	1120	1400	1260	703	872	135	115	126	275	227	256
25	2260	981	1280	952	578	703	127	108	120	292	248	270
26	1790	786	1040	853	492	603	127	108	118	333	288	316
27	1800	674	884	669	449	527	125	109	119	---	---	---
28	1490	555	749	497	331	431	132	116	126	---	---	---
29	1620	380	546	438	183	277	131	108	119	---	---	---
30	1050	272	411	296	162	242	119	101	110	---	---	---
31	769	237	332	---	---	---	118	99	108	---	---	---
MONTH	2430	152	604	1360	145	519	708	99	208	---	---	---

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

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	130	84	97	665	152	341	1310	483	816
2	---	---	---	280	81	109	1080	162	551	1390	663	1010
3	---	---	---	442	87	152	1240	381	916	1220	659	1000
4	---	---	---	500	89	159	1280	620	1060	1250	641	876
5	---	---	---	565	97	162	1250	635	983	1140	716	837
6	---	---	---	598	96	161	1110	728	884	1210	564	727
7	---	---	---	552	103	159	1160	594	761	967	429	576
8	---	---	---	646	111	172	1140	448	622	1180	365	487
9	---	---	---	640	115	164	1150	365	519	1050	332	436
10	---	---	---	566	110	155	1040	325	454	1060	329	423
11	---	---	---	592	111	153	1220	275	413	1090	320	436
12	---	---	---	767	110	179	1040	180	303	1050	317	434
13	---	---	---	875	120	208	742	167	246	1140	308	435
14	---	---	---	821	123	197	1290	166	345	1040	283	419
15	---	---	---	813	121	183	1350	275	553	905	259	384
16	---	---	---	748	130	198	1500	507	831	1410	276	423
17	---	---	---	831	132	218	1460	623	900	1250	292	451
18	---	---	---	786	159	276	1390	470	785	1450	291	466
19	---	---	---	822	164	267	1300	327	591	1410	267	428
20	170	125	147	744	145	215	1020	208	395	955	239	378
21	164	116	137	803	114	178	1260	204	342	1330	226	380
22	147	114	130	829	109	161	1280	194	341	1040	220	374
23	145	108	128	839	104	149	1280	167	310	945	188	356
24	147	114	130	996	110	176	1260	162	304	911	178	353
25	140	115	125	984	115	199	1120	168	287	1040	172	346
26	165	105	134	994	131	217	809	147	214	774	163	295
27	116	83	99	922	132	204	351	145	181	813	162	369
28	107	82	95	410	122	159	550	141	173	1090	244	502
29	119	85	96	264	122	160	1230	156	316	1160	298	640
30	---	---	---	348	123	156	1070	246	520	1810	526	1200
31	---	---	---	522	141	186	---	---	---	---	---	---
MONTH	---	---	---	996	81	178	1500	141	515	---	---	---

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

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	1190	705	844	1220	257	390
2	---	---	---	---	---	---	1110	638	790	1190	216	322
3	---	---	---	---	---	---	1100	620	771	998	195	292
4	---	---	---	---	---	---	1200	664	762	843	161	238
5	---	---	---	---	---	---	927	619	732	237	146	194
6	---	---	---	---	---	---	997	510	671	228	149	188
7	---	---	---	---	---	---	822	498	622	217	135	161
8	---	---	---	---	---	---	820	370	590	763	118	169
9	---	---	---	---	---	---	814	266	483	696	118	181
10	---	---	---	---	---	---	772	245	448	1600	124	240
11	---	---	---	---	---	---	952	246	463	1210	127	229
12	---	---	---	---	---	---	---	---	---	1720	140	252
13	---	---	---	---	---	---	---	---	---	1250	187	306
14	---	---	---	---	---	---	1830	320	786	891	168	265
15	---	---	---	---	---	---	1760	503	962	1280	157	245
16	---	---	---	---	---	---	1810	534	1040	1700	131	237
17	---	---	---	---	---	---	1880	561	963	816	127	209
18	---	---	---	---	---	---	1580	625	954	1140	116	218
19	---	---	---	---	---	---	1520	633	937	1250	112	178
20	---	---	---	---	---	---	1490	543	809	466	106	129
21	---	---	---	---	---	---	1060	391	674	197	98	114
22	---	---	---	---	---	---	1010	290	567	410	98	127
23	---	---	---	---	---	---	1170	313	573	1350	102	174
24	---	---	---	---	---	---	1320	374	664	1460	106	176
25	---	---	---	1590	355	670	1550	479	737	991	108	157
26	---	---	---	1590	420	753	1750	547	836	256	113	136
27	---	---	---	1500	484	818	1390	626	875	161	116	130
28	---	---	---	1960	525	858	1230	699	886	574	117	183
29	---	---	---	2130	553	856	1170	489	742	1070	139	218
30	---	---	---	2360	638	909	1200	411	576	736	154	218
31	---	---	---	1750	669	895	1240	331	481	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	1720	98	209

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

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.6	20.1	21.1	20.2	19.1	19.8	13.9	12.9	13.4	10.4	9.5	10.0
2	21.8	20.7	21.3	19.9	18.8	19.5	13.6	12.6	13.1	10.3	9.5	10
3	21.4	19.8	20.7	19.9	19.2	19.6	12.9	11.9	12.5	11.0	10.0	10.4
4	21.3	19.9	20.7	21.3	19.9	20.5	12.3	12.0	12.2	11.8	10.4	11.0
5	22.1	20.8	21.5	22.0	21.1	21.5	12.3	12.0	12.1	13.2	11.4	12.2
6	22.4	21.4	21.9	22.7	21.6	22.1	12.0	11.3	11.6	13.0	11.9	12.6
7	22.1	21.5	21.8	22.7	21.9	22.4	11.4	10.7	11.0	11.9	10.5	11.1
8	22.3	21.4	21.8	22.5	21.7	22.3	10.9	10.3	10.6	10.7	10.0	10.3
9	22.2	21.7	21.9	21.7	19.1	20.3	11.1	10.3	10.7	10.4	10.0	10.2
10	22.5	21.6	22.1	19.1	17.8	18.3	12.0	10.9	11.4	10.0	9.2	9.6
11	22.2	21.7	22.0	18.7	17.4	18.0	11.7	10.7	11.1	9.2	8.2	8.6
12	22.2	21.6	22.0	19.4	18.1	18.8	11.2	10.5	10.9	9.1	7.8	8.5
13	22.6	21.5	22.1	19.2	18.0	18.8	11.7	10.9	11.3	9.2	8.3	8.8
14	23.0	22.1	22.6	18.0	16.8	17.3	11.9	11.0	11.6	9.5	8.4	9.0
15	22.8	21.5	21.9	17.2	16.4	16.8	11.5	10.5	10.9	10.0	9.0	9.5
16	21.7	20.7	21.2	17.3	16.3	16.9	11.3	10.5	10.9	9.8	8.9	9.5
17	21.4	20.8	21.1	17.6	16.5	17.2	11.2	10.4	11.0	9.9	8.9	9.4
18	21.4	20.5	21.0	18.5	17.0	17.7	10.8	9.9	10.3	11.6	9.8	10.6
19	21.1	20.2	20.7	18.6	17.6	18.3	10.3	9.6	10.0	11.2	10.4	11.0
20	21.1	20.1	20.7	17.8	16.8	17.4	9.7	9.0	9.3	10.4	9.6	10.0
21	21.3	20.2	20.9	17.4	16.5	17.0	9.2	8.3	8.8	9.7	8.9	9.3
22	21.3	20.4	20.9	17.0	16.2	16.6	9.0	8.1	8.6	9.8	8.8	9.3
23	20.7	19.6	20.3	17.1	16.0	16.5	10.2	8.5	9.3	9.7	8.9	9.3
24	20.4	19.0	19.7	17.2	16.4	16.9	11.4	10.0	10.6	9.9	8.5	9.2
25	20.3	19.2	19.7	17.0	15.4	16.0	11.1	9.4	9.9	10.1	9.6	9.9
26	21.1	20.0	20.4	15.8	14.6	15.3	9.5	8.2	9.0	10.0	9.2	9.6
27	21.2	20.4	20.9	16.5	15.2	15.8	9.1	8.0	8.7	---	---	---
28	21.1	20.3	20.7	16.8	15.4	16.4	9.4	8.1	8.8	---	---	---
29	20.5	19.5	20.1	15.8	13.2	14.4	9.9	9.0	9.4	---	---	---
30	20.1	18.9	19.7	14.1	12.9	13.5	10.5	9.7	10.1	---	---	---
31	20.0	18.8	19.6	---	---	---	10.6	9.4	10.0	---	---	---
MONTH	23.0	18.8	21.1	22.7	12.9	18.1	13.9	8.0	10.6	---	---	---

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

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	9.8	8.8	9.4	17.8	16.6	17.2	23.0	21.8	22.4
2	---	---	---	11.6	9.3	10.3	17.4	16.4	17.0	23.2	22.3	22.7
3	---	---	---	12.9	10.5	11.6	18.0	16.5	17.0	23.2	22.0	22.5
4	---	---	---	14.2	12.0	12.9	18.1	16.5	17.0	22.6	20.6	21.6
5	---	---	---	15.8	13.4	14.5	17.4	15.8	16.7	21.8	19.8	21.0
6	---	---	---	16.9	15.1	15.9	18.5	15.7	16.8	23.2	20.4	21.6
7	---	---	---	17.8	15.5	16.5	18.0	16.0	16.9	23.7	21.4	22.6
8	---	---	---	16.7	15.2	16.0	18.4	16.7	17.4	25.2	22.2	23.4
9	---	---	---	15.9	14.2	15.1	19.8	17.1	18.1	25.0	22.7	23.7
10	---	---	---	15.0	13.5	14.3	20.6	17.6	18.7	24.9	22.4	23.6
11	---	---	---	14.4	12.3	13.5	21.1	18.7	19.5	24.0	23.1	23.4
12	---	---	---	14.4	12.4	13.5	20.9	19.5	20.1	24.2	23.0	23.4
13	---	---	---	14.5	12.5	13.5	21.1	19.6	20.5	25.1	23.2	24.0
14	---	---	---	14.8	12.9	13.8	19.6	17.7	18.7	25.8	23.9	24.6
15	---	---	---	15.3	13.9	14.7	19.2	17.8	18.5	26.2	24.1	24.8
16	---	---	---	16.1	14.7	15.3	19.7	18.2	18.9	26.5	24.2	24.9
17	---	---	---	16.5	14.8	15.5	20.4	18.7	19.3	26.9	24.3	25.0
18	---	---	---	16.8	15.1	15.7	21.2	19.0	19.9	26.1	24.1	24.7
19	---	---	---	17.8	15.9	16.6	21.4	19.5	20.4	26.7	23.9	24.9
20	11.8	9.4	10.4	18.4	16.6	17.1	21.5	19.8	20.7	26.7	24.6	25.6
21	13.2	10.9	11.7	18.5	16.3	17.1	22.3	20.2	21.0	27.6	25.2	26.2
22	12.5	10.8	11.6	17.3	14.8	15.6	23.0	20.2	21.2	27.9	25.6	26.6
23	12.5	10.8	11.7	16.8	13.0	14.5	22.9	20.9	21.9	27.8	26.1	27.0
24	13.3	11.9	12.5	17.0	13.1	14.6	24.6	21.6	22.6	28.1	26.1	27.1
25	13.0	11.4	12.2	16.8	14.3	15.3	24.9	22.0	23.0	28.4	26.4	27.4
26	11.5	9.3	10.1	17.7	15.0	15.9	23.7	22.5	23.2	28.4	26.6	27.6
27	9.4	8.4	8.8	18.7	15.6	16.7	23.6	22.4	23.1	28.6	26.6	27.7
28	9.4	8.0	8.6	18.1	16.2	17.2	23.3	21.8	22.6	28.7	26.9	27.9
29	9.7	8.1	8.9	18.3	16.8	17.5	23.0	21.8	22.5	28.9	27.4	28.3
30	---	---	---	17.8	16.9	17.3	22.7	22.0	22.3	29.2	27.6	28.4
31	---	---	---	18.2	17.0	17.5	---	---	---	---	---	---
MONTH	---	---	---	18.7	8.8	15.0	24.9	15.7	19.8	---	---	---

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

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	28.7	27.4	27.9	27.6	26.0	26.9
2	---	---	---	---	---	---	28.4	27.2	27.8	27.2	26.3	26.8
3	---	---	---	---	---	---	28.6	27.1	28.0	27.0	25.6	26.4
4	---	---	---	---	---	---	29.2	27.7	28.6	26.9	25.7	26.3
5	---	---	---	---	---	---	29.5	28.1	28.9	26.6	25.8	26.2
6	---	---	---	---	---	---	29.2	28.2	28.6	26.1	25.3	25.7
7	---	---	---	---	---	---	28.4	26.9	27.6	25.6	25.1	25.3
8	---	---	---	---	---	---	27.5	26.2	27.0	25.8	24.8	25.3
9	---	---	---	---	---	---	28.1	26.8	27.4	26.4	24.4	25.4
10	---	---	---	---	---	---	28.3	27.1	27.8	26.6	25.0	25.4
11	---	---	---	---	---	---	28.1	27.5	27.9	25.9	24.7	25.1
12	---	---	---	---	---	---	---	---	---	26.1	24.2	24.6
13	---	---	---	---	---	---	---	---	---	25.2	23.8	24.2
14	---	---	---	---	---	---	27.4	26.3	26.8	24.4	23.3	23.7
15	---	---	---	---	---	---	27.7	26.7	27.1	24.7	23.7	24.0
16	---	---	---	---	---	---	27.5	26.4	27.0	25.8	23.8	24.2
17	---	---	---	---	---	---	27.3	26.5	26.9	25.4	24.4	24.8
18	---	---	---	---	---	---	27.8	26.1	27.0	25.1	23.7	24.4
19	---	---	---	---	---	---	28.3	26.7	27.6	24.7	23.1	23.8
20	---	---	---	---	---	---	28.8	27.1	28.0	23.5	21.8	22.5
21	---	---	---	---	---	---	28.5	27.6	28.1	22.4	21.2	21.9
22	---	---	---	---	---	---	28.5	27.3	27.9	22.6	21.4	22.1
23	---	---	---	---	---	---	28.0	27.2	27.7	23.5	21.4	22.1
24	---	---	---	---	---	---	28.3	27.0	27.7	23.8	21.8	22.4
25	---	---	---	29.3	28.2	28.8	28.5	27.2	27.9	23.9	22.3	22.7
26	---	---	---	29.3	28.4	28.9	28.4	27.2	27.8	22.9	22.5	22.7
27	---	---	---	29.6	28.1	28.9	28.3	27.2	27.7	23.7	22.8	23.3
28	---	---	---	29.9	28.4	29.1	27.9	27.2	27.5	24.8	23.2	23.9
29	---	---	---	29.1	28.3	28.7	27.8	26.6	27.2	24.6	23.5	24.2
30	---	---	---	30.3	27.6	28.5	27.9	26.7	27.4	24.9	24.0	24.5
31	---	---	---	29.1	27.8	28.4	27.7	26.6	27.2	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	27.6	21.2	24.4

02198979 LITTLE BACK RIVER AT LUCKNOW CANAL, NEAR LIMEHOUSE, SC

LOCATION.—Lat 32°11'05", long 81°07'02", referenced to North American Datum (NAD) of 1927, Jasper County, SC, Hydrologic unit 03060109, at the end of the fishing pier at the north control gate of Lucknow Canal on the service road to the northern part of the Savannah National Wildlife Refuge accessed from US 17, 1.3 miles north of Refuge Headquarters, and 3.4 miles southwest of Limehouse, SC.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1987 to current year.

GAGE.—Water-stage recorder. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 1, 2002, gage datum was 3.39 feet below National Geodetic Vertical Datum (NGVD) of 1929, at mean low water (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.47 feet, February 7, 1993; minimum gage-height recorded, –5.18 feet, April 7, 1989, but was lower during the day when the stage went below the recordable range of the gage. Extremes have been adjusted to NGVD of 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.58 feet, September 26; minimum gage-height recorded, –4.82 feet, April 14.

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

STATION NUMBER 02198979 L. BACK RIVER AT LUCKNOW CANAL, NEAR LIMEHOUSE, SC STREAM SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321105 LONGITUDE 0810702 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.39 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.18	-2.12	2.91	5.82	-1.54	2.67	4.36	-3.61	0.65	4.55	-2.83	1.04
2	6.02	-1.87	2.83	5.69	-1.50	2.79	4.58	-2.94	1.26	4.75	-2.89	1.12
3	6.03	-1.22	3.11	5.91	-1.05	3.28	4.96	-2.57	1.84	4.75	-2.93	1.12
4	5.58	-2.25	2.64	5.65	-1.79	2.79	5.47	-1.78	2.30	4.75	-3.31	1.12
5	5.35	-2.70	2.03	5.50	-2.37	2.47	5.26	-2.86	1.75	4.92	-3.65	1.00
6	5.43	-2.80	2.07	5.56	-2.68	2.18	4.73	-3.45	1.31	4.65	-3.86	0.80
7	5.50	-2.62	2.10	5.39	-2.96	2.04	5.37	-3.08	1.90	5.00	-3.57	1.35
8	5.52	-2.73	2.05	5.72	-2.59	2.56	5.42	-2.92	1.95	5.27	-3.30	1.44
9	5.50	-2.91	2.15	5.84	-1.23	2.95	5.33	-2.67	2.03	5.42	-3.12	1.62
10	5.58	-2.53	2.31	5.83	-1.48	2.71	5.65	-2.18	2.04	5.52	-2.76	1.81
11	5.55	-2.56	2.29	5.63	-2.14	2.22	4.85	-3.75	0.62	5.51	-2.70	1.80
12	5.68	-2.06	2.48	5.09	-2.50	1.54	5.19	-2.79	1.44	4.89	-3.57	1.06
13	5.53	-2.14	2.33	---	---	---	5.62	-1.82	2.26	4.73	-3.52	0.66
14	5.48	-1.86	2.33	---	---	---	5.56	-2.09	2.11	5.01	-3.09	1.16
15	4.87	-2.82	1.58	4.70	-2.27	1.25	5.09	-2.61	1.43	4.51	-3.40	0.71
16	5.09	-1.57	1.92	4.61	-2.23	1.17	5.09	-2.17	1.53	4.98	-2.93	1.58
17	4.93	-1.55	1.86	4.56	-2.33	1.06	4.76	-3.43	0.71	5.19	-3.05	1.83
18	4.94	-1.26	1.89	4.91	-2.46	1.47	4.76	-3.66	0.89	5.69	-3.30	1.70
19	5.06	-1.27	1.97	4.98	-3.98	1.43	4.75	-4.05	0.53	5.44	-4.16	1.38
20	5.04	-2.15	1.74	5.30	-4.32	1.43	4.91	-4.28	0.95	5.98	-3.86	2.09
21	5.12	-2.80	1.71	5.67	-3.27	2.20	5.69	-4.14	1.84	5.95	-3.89	1.97
22	5.40	-3.51	1.49	5.87	-3.58	2.19	5.89	-4.02	1.91	5.72	-3.86	1.57
23	5.88	-3.14	2.52	6.11	-3.60	2.24	6.11	-3.99	2.07	5.20	-4.53	0.80
24	5.92	-2.87	2.54	6.25	-3.58	2.22	5.99	-3.57	1.98	5.03	-4.25	0.93
25	6.18	-2.85	2.56	6.17	-4.11	2.06	5.62	-4.07	1.44	5.59	-3.83	1.72
26	6.11	-3.29	2.24	6.29	-3.17	2.45	5.56	-3.74	1.49	5.45	-2.55	2.09
27	6.06	-3.46	2.19	6.11	-3.05	2.37	5.45	-3.34	1.53	5.11	-3.06	1.63
28	6.23	-3.25	2.49	5.74	-3.59	1.55	5.34	-2.83	1.59	4.47	-3.49	0.42
29	5.76	-3.18	2.29	4.82	-4.24	0.27	5.06	-2.73	1.45	4.00	-2.87	0.71
30	6.00	-2.71	2.25	4.85	-3.05	1.12	4.57	-3.25	0.88	4.05	-2.58	0.57
31	5.88	-1.68	2.56	---	---	---	4.65	-2.34	1.17	3.83	-2.18	1.09
MONTH	6.23	-3.51	2.24	---	---	---	6.11	-4.28	1.51	5.98	-4.53	1.29

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

STATION NUMBER 02198979 L. BACK RIVER AT LUCKNOW CANAL, NEAR LIMEHOUSE, SC STREAM SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321105 LONGITUDE 0810702 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.39 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.03	-1.09	2.01	4.31	-2.18	1.10	4.63	-2.91	1.00	4.94	-3.35	1.43
2	5.25	-1.25	2.39	4.37	-2.90	0.75	4.72	-3.69	0.95	5.32	-3.69	1.57
3	4.87	-2.68	1.24	4.44	-3.11	0.70	5.22	-3.75	1.51	5.43	-4.61	1.17
4	4.89	-3.71	0.97	4.77	-3.37	1.05	5.38	-3.87	1.32	5.99	-3.92	1.84
5	5.36	-3.38	1.69	5.11	-3.48	1.30	5.64	-3.74	1.84	6.09	-3.98	1.84
6	5.44	-3.11	1.74	5.21	-3.79	1.10	5.93	-3.68	1.68	6.05	-4.15	1.65
7	4.57	-4.31	0.40	5.23	-4.22	1.05	5.73	-4.12	1.56	5.96	-3.79	1.70
8	5.01	-4.73	0.52	5.29	-4.44	0.90	5.69	-3.79	1.45	5.93	-3.49	1.78
9	5.20	-3.67	1.22	5.64	-3.90	1.64	5.64	-3.37	1.58	5.81	-2.98	1.90
10	4.90	-3.97	0.96	5.62	-3.14	1.97	5.68	-2.99	1.81	5.60	-2.77	1.90
11	4.69	-3.86	0.73	5.63	-3.43	1.81	5.45	-3.01	1.62	5.45	-2.61	1.78
12	4.96	-2.90	1.44	5.31	-3.52	1.27	5.55	-2.35	1.76	5.22	-2.72	1.81
13	5.01	-2.93	1.43	5.14	-3.03	1.59	5.25	-4.35	1.00	5.10	-3.09	1.72
14	5.07	-2.81	1.69	5.37	-2.70	1.74	3.56	-4.82	-0.44	5.12	-3.48	1.63
15	5.47	-3.50	1.85	5.18	-3.08	1.48	4.88	-4.25	1.05	5.25	-3.51	1.53
16	5.55	-3.43	1.91	5.14	-3.16	1.61	5.17	-3.79	1.37	5.31	-3.53	1.44
17	5.75	-2.47	2.28	5.12	-3.57	1.55	5.16	-3.82	1.27	5.41	-3.44	1.39
18	5.61	-3.70	1.84	5.60	-3.57	2.03	5.12	-4.06	0.98	5.26	-3.64	1.29
19	5.69	-3.85	1.76	5.45	-3.62	1.77	5.06	-4.23	0.79	5.21	-3.45	1.24
20	5.68	-3.83	1.70	5.82	-2.91	2.41	5.00	-4.33	0.53	4.92	-3.65	0.90
21	5.25	-4.11	1.25	5.33	-3.81	1.76	5.05	-3.88	0.81	4.85	-3.54	0.68
22	5.30	-3.90	1.44	5.55	-3.13	1.89	4.84	-3.62	0.81	4.73	-3.33	0.73
23	5.35	-3.34	1.65	5.38	-2.92	2.00	4.47	-3.41	0.60	4.63	-3.11	0.78
24	5.35	-3.14	1.81	5.20	-3.03	1.55	4.40	-3.28	0.47	4.63	-2.96	0.71
25	5.23	-1.46	2.64	5.11	-3.15	1.16	4.40	-2.85	0.80	4.47	-3.17	0.53
26	6.14	-1.38	3.09	4.74	-3.01	0.85	4.35	-2.28	0.85	4.31	-3.21	0.50
27	5.01	-1.83	1.85	4.39	-2.45	0.87	3.97	-2.24	0.85	4.06	-3.28	0.49
28	4.74	-1.30	2.02	4.04	-1.99	0.96	4.01	-1.90	1.34	4.18	-3.46	0.65
29	4.61	-1.67	1.51	4.90	-0.96	1.95	4.71	-2.30	1.40	4.89	-3.41	1.06
30	---	---	---	4.88	-1.04	2.09	4.68	-3.01	1.44	5.39	-3.28	1.87
31	---	---	---	4.83	-2.64	1.72	---	---	---	5.54	-4.07	1.51
MONTH	6.14	-4.73	1.62	5.82	-4.44	1.47	5.93	-4.82	1.13	6.09	-4.61	1.32

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

STATION NUMBER 02198979 L. BACK RIVER AT LUCKNOW CANAL, NEAR LIMEHOUSE, SC STREAM SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321105 LONGITUDE 0810702 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.39 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.74	-4.48	1.22	6.11	-4.16	1.77	6.11	-4.00	2.03	5.22	-3.95	1.36
2	6.05	-4.28	1.51	6.13	-4.13	1.76	6.15	-3.31	2.19	5.29	-3.55	1.69
3	6.07	-4.43	1.51	6.20	-4.05	1.82	6.15	-3.00	2.37	5.50	-2.36	2.23
4	6.00	-4.29	1.40	6.09	-3.71	1.94	5.77	-3.13	2.12	5.45	-2.13	2.23
5	5.87	-4.15	1.39	6.09	-3.44	1.96	5.42	-3.06	1.94	5.68	-1.06	2.87
6	5.90	-3.65	1.64	5.86	-3.18	2.01	5.34	-3.15	2.03	5.82	-0.25	3.28
7	5.79	-3.13	1.76	5.74	-2.92	2.13	5.53	-1.58	2.48	5.17	-0.35	2.78
8	5.52	-3.07	1.77	5.43	-3.20	1.90	5.08	-2.16	1.97	4.89	-1.67	1.68
9	5.32	-3.03	1.77	5.19	-2.93	1.78	4.91	-2.21	1.73	4.57	-2.33	1.23
10	5.21	-3.04	1.84	5.23	-3.02	1.81	4.80	-2.23	1.58	4.85	-2.88	1.27
11	5.17	-3.34	1.53	5.30	-2.66	1.95	4.76	-2.53	1.38	5.34	-2.56	1.82
12	5.26	-3.41	1.59	5.09	-2.66	1.76	4.80	-2.84	1.24	5.80	-2.33	2.37
13	5.87	-2.03	2.64	5.07	-2.95	1.33	4.75	-3.63	0.73	5.87	-2.22	2.54
14	5.50	-2.40	2.23	4.93	-3.14	1.04	4.71	-3.06	1.14	5.97	-2.09	2.79
15	5.42	-2.82	1.83	4.68	-3.20	0.98	5.10	-3.75	0.97	5.83	-2.43	2.67
16	5.20	-3.10	1.37	5.43	-3.26	1.34	5.25	-3.63	1.09	5.83	-2.51	2.49
17	5.16	-3.26	1.22	5.33	-3.08	1.46	5.27	-3.23	1.34	5.50	-3.31	2.06
18	5.03	-3.35	1.01	4.96	-3.30	1.15	5.18	-3.32	1.40	5.33	-3.79	1.47
19	5.21	-3.06	1.11	5.25	-3.33	1.27	5.10	-3.41	1.27	5.51	-2.97	2.09
20	5.57	-2.47	1.80	5.16	-3.19	1.34	5.04	-3.56	1.14	6.10	-1.33	3.04
21	5.45	-1.71	2.20	5.07	-3.26	1.32	4.64	-3.65	0.84	6.33	-1.01	3.34
22	5.44	-2.63	1.55	5.06	-3.06	1.43	4.79	-3.65	0.83	5.96	-1.35	2.96
23	4.88	-2.95	0.74	4.96	-2.97	1.38	5.14	-3.24	1.47	5.55	-2.34	2.36
24	4.50	-3.34	0.65	4.90	-3.06	1.41	5.51	-2.65	1.95	5.87	-2.24	2.67
25	4.41	-2.95	0.93	5.07	-3.23	1.39	5.63	-2.61	2.14	6.24	-1.71	3.17
26	4.40	-3.34	0.86	5.16	-3.34	1.45	5.69	-3.48	1.94	6.58	-1.05	3.54
27	5.24	-3.27	1.48	5.47	-3.41	1.72	5.89	-3.70	1.93	6.41	-0.75	3.91
28	5.25	-3.67	1.34	5.68	-3.95	1.59	6.14	-3.04	2.30	5.34	-3.76	2.06
29	5.66	-4.21	1.33	5.72	-3.81	1.57	5.66	-4.31	1.78	5.54	-3.80	1.72
30	6.00	-4.12	1.64	6.12	-4.07	1.74	5.43	-4.11	1.44	5.65	-3.42	2.04
31	---	---	---	6.23	-3.71	2.10	5.31	-3.97	1.37	---	---	---
MONTH	6.07	-4.48	1.50	6.23	-4.16	1.60	6.15	-4.31	1.62	6.58	-3.95	2.39

SAVANNAH RIVER BASIN
2004 Water Year

021989791 LITTLE BACK RIVER AT FISH & WILDLIFE DOCK, NEAR LIMEHOUSE, SC

LOCATION.—Lat 32°10'14", long 81°07'06", referenced to North American Datum (NAD) of 1927, Jasper County, SC, Hydrologic Unit 03060109, on right dock headwall on the left bank at US Fish and Wildlife Dock at the headquarters of the Savannah National Wildlife Refuge, 0.3 miles north of US 17, and 4.1 miles southwest of Limehouse, SC.

DRAINAGE AREA.—Not determined.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

PERIOD OF RECORD.—September 1989 to current year.

CONTINUOUS WATER-QUALITY RECORDS

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: September 1989 to current year.
WATER TEMPERATURE: October 1999 to current year.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 15,500 microsiemens, August 7, 2002; minimum recorded, 40 microsiemens, October 13, 1994, February 26, 27, 1995, February 17, 1998.
WATER TEMPERATURE: Maximum recorded, 31.6 °C, July 20, 2002; minimum recorded, 5.0 °C, January 4, 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 9,290 microsiemens, June 2; minimum recorded, 85 microsiemens, March 1.
WATER TEMPERATURE: Maximum recorded, 29.7 °C, June 20; minimum recorded, 8.3 °C, February 28.

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

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2030	295	557	961	242	371	467	168	289	106	95	100
2	2250	283	523	787	239	370	773	170	374	180	98	112
3	3010	312	708	1350	260	465	977	180	489	204	99	120
4	1460	373	631	695	308	478	1640	332	739	359	104	166
5	1100	448	669	698	350	521	975	273	598	423	114	211
6	1600	494	844	782	385	547	752	192	451	468	129	218
7	1700	652	968	708	403	544	1020	184	503	515	119	258
8	1440	699	966	1290	396	603	872	265	566	---	---	---
9	1130	690	901	1500	425	614	816	300	554	---	---	---
10	1100	595	790	2180	357	623	1260	291	507	---	---	---
11	866	469	652	1400	372	595	486	178	318	---	---	---
12	1050	421	608	845	331	581	431	142	248	---	---	---
13	770	412	576	798	199	437	605	131	269	---	---	---
14	727	348	521	950	192	440	457	135	225	---	---	---
15	599	276	432	1140	212	465	222	115	153	---	---	---
16	602	203	349	886	207	419	240	105	134	---	---	---
17	479	208	298	968	211	466	356	106	150	---	---	---
18	417	189	263	1920	226	736	400	109	165	---	---	---
19	638	188	320	2050	266	929	500	116	191	---	---	---
20	1140	205	471	2690	336	1050	334	114	174	---	---	---
21	1250	290	646	4100	771	1590	886	124	238	---	---	---
22	1950	410	902	4620	1050	1690	670	133	216	---	---	---
23	6010	584	1890	4910	904	1630	491	120	181	---	---	---
24	4880	1200	2090	4570	764	1430	238	116	141	---	---	---
25	5540	1000	1940	3150	615	1070	148	107	123	---	---	---
26	4190	850	1520	3030	533	965	134	103	115	---	---	---
27	3490	717	1270	2600	480	818	128	105	114	---	---	---
28	2860	580	1040	1050	370	546	132	114	122	---	---	---
29	907	414	579	452	213	329	132	102	117	---	---	---
30	1520	317	510	402	184	278	118	100	106	---	---	---
31	1170	261	413	---	---	---	114	96	103	---	---	---
MONTH	6010	188	802	4910	184	720	1640	96	280	---	---	---

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

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	128	85	95	936	154	418	1860	420	1050
2	---	---	---	122	89	98	1450	201	719	2610	634	1300
3	---	---	---	149	92	108	2210	398	1250	2360	725	1260
4	---	---	---	142	92	111	2210	700	1270	4400	740	1400
5	---	---	---	137	92	108	2680	728	1330	3610	750	1220
6	---	---	---	153	97	121	3620	771	1200	2750	586	1020
7	---	---	---	155	103	123	3440	630	998	2730	456	819
8	---	---	---	159	107	128	2270	476	777	2000	391	654
9	---	---	---	176	113	132	1310	389	603	1630	361	588
10	---	---	---	155	110	124	1470	351	555	1060	344	496
11	---	---	---	151	112	128	642	289	450	709	333	472
12	---	---	---	147	114	128	522	186	348	614	342	479
13	---	---	---	210	126	149	404	180	253	601	326	462
14	---	---	---	229	118	161	373	181	268	564	293	415
15	---	---	---	212	123	154	1360	206	605	567	287	410
16	---	---	---	220	128	163	1730	443	926	643	273	427
17	---	---	---	248	139	185	1520	670	1020	796	298	459
18	---	---	---	414	156	264	1160	560	866	655	313	454
19	---	---	---	298	183	242	882	390	643	685	290	433
20	301	128	160	438	158	223	579	261	422	562	264	387
21	155	115	136	222	124	154	482	214	324	662	245	389
22	145	113	128	146	108	125	467	208	325	798	249	425
23	145	112	125	134	102	113	550	186	336	757	231	425
24	145	116	130	134	108	118	542	172	296	756	218	414
25	196	118	141	150	120	131	542	176	314	860	204	437
26	1070	110	213	167	133	145	546	153	283	1020	188	466
27	148	89	105	317	136	168	553	156	278	1360	194	547
28	101	86	92	290	124	171	804	152	386	1590	292	785
29	144	86	94	687	128	246	1510	174	587	3620	384	1190
30	---	---	---	701	131	294	1710	260	775	6610	418	2190
31	---	---	---	632	145	303	---	---	---	6590	1330	2600
MONTH	---	---	---	701	85	158	3620	152	628	6610	188	777

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

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7070	1140	2640	---	---	---	---	---	---	480	257	353
2	9290	1240	2930	---	---	---	---	---	---	396	212	291
3	8860	1340	2840	---	---	---	---	---	---	382	195	272
4	7000	1240	2490	---	---	---	---	---	---	368	162	244
5	6890	1090	2050	---	---	---	---	---	---	519	147	265
6	5540	966	1800	---	---	---	---	---	---	762	150	267
7	4210	853	1600	---	---	---	---	---	---	208	141	174
8	2930	826	1370	---	---	---	---	---	---	186	128	145
9	1970	770	1220	---	---	---	---	---	---	209	120	146
10	1840	716	1150	---	---	---	---	---	---	334	119	191
11	1460	554	979	---	---	---	---	---	---	466	121	251
12	1250	384	788	---	---	---	---	---	---	985	140	323
13	1270	376	736	---	---	---	---	---	---	496	149	298
14	646	204	433	---	---	---	---	---	---	381	163	242
15	447	204	297	---	---	---	---	---	---	254	150	192
16	420	203	287	---	---	---	---	---	---	279	134	163
17	429	200	288	---	---	---	---	---	---	279	125	147
18	573	204	346	---	---	---	---	---	---	192	117	140
19	1160	224	453	---	---	---	---	---	---	168	111	128
20	2290	244	647	---	---	---	---	---	---	276	102	128
21	2210	350	774	---	---	---	---	---	---	692	99	162
22	1250	287	574	---	---	---	---	---	---	260	102	125
23	922	184	389	---	---	---	---	---	---	133	104	115
24	722	174	341	---	---	---	---	---	---	157	106	119
25	680	182	361	---	---	---	---	---	---	540	106	152
26	---	---	---	---	---	---	---	---	---	523	114	166
27	---	---	---	---	---	---	---	---	---	262	122	149
28	---	---	---	---	---	---	4310	698	1350	159	123	137
29	---	---	---	---	---	---	1990	590	919	167	140	154
30	---	---	---	---	---	---	982	436	616	183	149	163
31	---	---	---	---	---	---	639	334	454	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	985	99	193

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

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.6	20.9	21.6	20.4	19.6	20.0	13.9	13.1	13.6	10.5	9.8	10.2
2	22.5	21.1	21.6	20.2	19.4	19.8	13.8	12.9	13.3	10.4	9.8	10.2
3	22.1	20.5	21.2	20.1	19.5	19.8	13.2	12.3	12.7	11.0	10.3	10.6
4	21.8	20.3	21.0	21.3	20.0	20.6	12.7	12.2	12.4	11.8	10.7	11.2
5	22.3	21.0	21.6	22.1	21.1	21.6	12.4	12.1	12.3	13.3	11.6	12.3
6	22.6	21.8	22.2	22.7	21.8	22.2	12.1	11.5	11.8	13.3	12.1	12.8
7	22.3	21.9	22.1	23.0	22.3	22.6	11.5	11.0	11.3	12.1	10.9	11.3
8	22.5	21.7	22.1	22.8	22.1	22.5	11.1	10.6	10.9	---	---	---
9	22.4	22.0	22.2	22.1	19.8	20.8	11.2	10.6	10.9	---	---	---
10	22.6	21.9	22.3	19.8	18.3	18.7	11.9	11.1	11.5	---	---	---
11	22.5	22.1	22.3	18.6	17.7	18.2	11.8	11.0	11.3	---	---	---
12	22.6	21.9	22.2	19.4	18.3	18.8	11.3	10.6	11.0	---	---	---
13	22.7	21.9	22.3	19.3	18.2	18.9	11.8	11.0	11.3	---	---	---
14	23.1	22.4	22.7	18.2	17.2	17.6	11.9	11.3	11.7	---	---	---
15	22.9	21.8	22.2	17.4	16.6	17.0	11.5	10.7	11.0	---	---	---
16	21.8	20.9	21.4	17.7	16.6	17.1	11.3	10.8	11.1	---	---	---
17	21.6	21.0	21.3	17.9	16.8	17.3	11.3	10.6	11.1	---	---	---
18	21.6	20.9	21.2	18.4	17.4	17.9	10.8	10.1	10.4	---	---	---
19	21.4	20.5	21.0	18.7	18.0	18.5	10.5	9.9	10.2	---	---	---
20	21.4	20.4	20.9	18.2	17.3	17.8	10.0	9.2	9.5	---	---	---
21	21.6	20.6	21.1	17.7	16.9	17.3	9.5	8.6	9.1	---	---	---
22	21.5	20.7	21.1	17.4	16.7	17.0	9.1	8.5	8.8	---	---	---
23	21.1	20.4	20.7	17.2	16.4	16.8	10.1	8.8	9.4	---	---	---
24	20.9	19.5	20.1	17.4	16.7	17.1	11.2	9.9	10.6	---	---	---
25	20.6	19.5	20.0	17.1	15.8	16.4	11.1	9.7	10.2	---	---	---
26	21.0	20.1	20.6	16.4	15.1	15.7	9.7	8.8	9.3	---	---	---
27	21.3	20.8	21.1	16.6	15.5	16.0	9.4	8.5	9.0	---	---	---
28	21.2	20.6	21.0	16.8	15.9	16.5	9.4	8.5	9.0	---	---	---
29	20.8	19.9	20.3	15.9	13.9	14.7	9.8	9.1	9.5	---	---	---
30	20.6	19.5	20.0	14.1	13.3	13.7	10.6	9.8	10.2	---	---	---
31	20.4	19.4	19.9	---	---	---	10.6	9.7	10.2	---	---	---
MONTH	23.1	19.4	21.3	23.0	13.3	18.3	13.9	8.5	10.8	---	---	---

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

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	9.9	9.0	9.6	17.8	16.8	17.3	23.2	22.3	22.7
2	---	---	---	11.3	9.6	10.3	17.6	16.4	17.1	23.6	22.7	23.0
3	---	---	---	12.6	10.7	11.5	17.9	16.6	17.2	23.2	22.6	22.9
4	---	---	---	13.8	12.1	12.8	17.7	16.7	17.2	22.6	21.6	22.1
5	---	---	---	15.7	13.6	14.4	17.6	16.4	17.0	22.6	20.4	21.5
6	---	---	---	16.8	15.3	15.9	17.6	16.3	17.0	22.9	20.9	21.9
7	---	---	---	17.6	15.9	16.5	17.6	16.4	17.1	23.7	21.9	22.8
8	---	---	---	17.1	15.7	16.1	18.2	17.0	17.5	24.2	22.7	23.6
9	---	---	---	15.9	14.8	15.4	18.8	17.5	18.2	24.6	23.2	24.0
10	---	---	---	15.2	14.0	14.5	19.4	18.1	18.7	24.5	23.2	23.9
11	---	---	---	14.2	13.0	13.7	20.3	18.9	19.6	24.3	23.4	23.8
12	---	---	---	14.1	13.0	13.6	20.7	19.8	20.2	24.1	23.3	23.7
13	---	---	---	14.3	13.0	13.7	21.2	20.2	20.6	24.9	23.5	24.2
14	---	---	---	14.6	13.3	14.0	20.3	18.1	18.8	25.5	24.3	24.8
15	---	---	---	15.4	14.1	14.8	19.3	17.7	18.6	25.8	24.7	25.1
16	---	---	---	15.8	15.0	15.4	20.0	18.5	19.1	25.7	24.8	25.2
17	---	---	---	16.0	15.1	15.6	20.4	19.0	19.6	26.0	24.8	25.3
18	---	---	---	16.4	15.3	15.8	21.0	19.5	20.1	25.5	24.8	25.1
19	---	---	---	17.5	15.8	16.6	21.4	20.0	20.7	25.8	24.5	25.1
20	11.4	9.8	10.4	17.6	16.6	17.1	21.5	20.4	20.9	26.6	25.1	25.8
21	12.8	10.9	11.6	17.8	16.6	17.0	21.7	20.7	21.2	27.0	25.8	26.4
22	12.3	11.4	11.8	17.0	15.4	15.8	22.0	20.8	21.4	27.3	26.2	26.8
23	12.3	11.3	11.8	15.4	14.0	14.7	22.7	21.4	22.1	27.9	26.7	27.3
24	13.1	11.9	12.5	15.5	14.0	14.7	23.4	22.1	22.7	28.2	26.6	27.4
25	13.0	11.7	12.4	15.9	14.9	15.4	23.6	22.4	23.1	28.8	27.0	27.7
26	11.8	9.6	10.4	16.8	15.4	16.0	23.8	22.9	23.4	28.6	27.1	27.9
27	9.6	8.7	9.1	17.7	16.0	16.8	23.8	22.8	23.3	28.6	27.1	27.9
28	9.4	8.3	8.8	18.7	16.6	17.5	23.4	22.2	22.8	28.6	27.4	28.0
29	10.1	8.4	9.2	18.6	17.1	17.8	23.2	22.3	22.8	29.0	27.7	28.3
30	---	---	---	17.8	17.1	17.5	22.8	22.4	22.6	29.3	28.1	28.7
31	---	---	---	17.9	17.0	17.5	---	---	---	29.0	28.2	28.6
MONTH	---	---	---	18.7	9.0	15.1	23.8	16.3	19.9	29.3	20.4	25.2

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

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.5	27.7	28.1	---	---	---	---	---	---	27.5	26.4	27.1
2	28.7	27.3	28.0	---	---	---	---	---	---	27.5	26.7	27.0
3	28.8	27.5	28.2	---	---	---	---	---	---	27.2	26.0	26.6
4	28.5	27.2	27.7	---	---	---	---	---	---	27.1	26.0	26.6
5	28.0	26.5	27.3	---	---	---	---	---	---	26.7	26.1	26.4
6	28.0	26.6	27.3	---	---	---	---	---	---	26.3	25.5	25.9
7	27.8	26.4	27.3	---	---	---	---	---	---	25.6	25.2	25.5
8	28.1	26.9	27.5	---	---	---	---	---	---	25.9	25.1	25.5
9	27.9	27.0	27.4	---	---	---	---	---	---	26.3	24.8	25.5
10	28.1	26.7	27.5	---	---	---	---	---	---	25.9	25.2	25.6
11	28.6	27.3	28.0	---	---	---	---	---	---	25.5	24.9	25.2
12	29.6	28.1	28.8	---	---	---	---	---	---	25.0	24.4	24.7
13	29.4	27.1	28.8	---	---	---	---	---	---	24.6	24.0	24.3
14	27.1	25.9	26.5	---	---	---	---	---	---	24.1	23.6	23.8
15	26.7	25.6	26.1	---	---	---	---	---	---	24.2	23.8	24.0
16	26.9	26.3	26.5	---	---	---	---	---	---	24.6	23.9	24.2
17	27.5	26.3	26.8	---	---	---	---	---	---	25.2	24.4	24.8
18	28.4	27.0	27.7	---	---	---	---	---	---	25.3	24.0	24.6
19	29.3	28.0	28.5	---	---	---	---	---	---	24.8	23.5	24.1
20	29.7	28.8	29.2	---	---	---	---	---	---	23.7	22.3	22.8
21	29.5	28.5	28.9	---	---	---	---	---	---	22.5	21.6	22.1
22	28.7	27.5	28.1	---	---	---	---	---	---	22.8	21.7	22.3
23	28.3	27.4	27.9	---	---	---	---	---	---	22.7	21.7	22.3
24	28.5	27.1	27.9	---	---	---	---	---	---	22.9	22.0	22.5
25	28.7	27.3	28.0	---	---	---	---	---	---	23.0	22.5	22.7
26	---	---	---	---	---	---	---	---	---	22.9	22.6	22.7
27	---	---	---	---	---	---	---	---	---	23.7	22.9	23.3
28	---	---	---	---	---	---	28.2	27.5	27.8	24.4	23.2	23.8
29	---	---	---	---	---	---	28.0	26.8	27.3	24.6	23.8	24.3
30	---	---	---	---	---	---	28.0	27.0	27.5	24.9	24.2	24.6
31	---	---	---	---	---	---	27.8	27.0	27.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	27.5	21.6	24.5

SAVANNAH RIVER BASIN
2004 Water Year

02198980 SAVANNAH RIVER AT FORT PULASKI, GA

LOCATION.—Lat 32°02'02", long 80°54'12", referenced to North American Datum (NAD) of 1927, Chatham County, Hydrologic Unit 03060109, at downstream side of the U.S. Coast Guard pier on Cockspur Island, 1.0 mile upstream from the mouth, 0.7 miles west of Fort Pulaski.

DRAINAGE AREA.—Undetermined.

COOPERATION.—Georgia Geologic Survey.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1987 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 1, 2001, gage datum was –3.02 feet below NGVD of 1929.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height, 7.16 feet, February 7, 1993; minimum gage-height recorded, –6.79 feet, March 13, 1993, but was lower during the day when the stage went below the recordable range of the gage. Extremes have been adjusted to NGVD of 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 5.93 feet, September 26; minimum gage-height, –5.30 feet, March 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 27, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02198980 SAVANNAH RIVER AT FORT PULASKI, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320202 LONGITUDE 0805412 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.02 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.51	-1.99	1.74	4.96	-1.61	1.64	3.14	-3.42	-0.09	---	---	---
2	5.33	-1.64	1.83	4.93	-1.33	1.82	3.32	-2.66	0.56	---	---	---
3	5.26	-1.05	2.10	5.11	-1.69	2.14	3.86	-1.96	1.14	3.50	-3.19	0.27
4	4.73	-2.51	1.59	4.73	-2.35	1.68	4.68	-2.56	1.43	3.54	-3.52	0.29
5	4.40	-2.60	1.08	4.53	-2.65	1.41	4.34	-3.05	0.95	3.73	-3.52	0.13
6	4.58	-2.47	1.23	4.67	-2.57	1.20	3.62	-3.13	0.64	3.45	-3.73	0.01
7	4.63	-2.45	1.21	4.32	-3.16	1.11	4.50	-2.85	1.12	3.95	-3.40	0.58
8	4.57	-2.57	1.14	4.91	-2.49	1.74	4.53	-2.89	1.09	4.27	-3.25	0.61
9	4.64	-2.91	1.25	5.12	-1.39	2.09	4.49	-2.45	1.21	4.54	-3.19	0.77
10	4.72	-2.46	1.36	5.09	-1.40	1.80	4.84	-2.04	1.09	---	---	---
11	4.69	-2.48	1.39	4.76	-2.05	1.27	3.62	-3.65	-0.38	---	---	---
12	4.77	-1.86	1.56	4.05	-2.31	0.77	---	---	---	3.66	-3.57	0.10
13	4.62	-1.95	1.50	3.02	-3.02	-0.03	---	---	---	3.43	-3.34	-0.15
14	4.56	-1.66	1.45	3.81	-2.17	0.69	---	---	---	3.91	-2.95	0.33
15	3.95	-2.59	0.85	3.59	-1.98	0.65	---	---	---	3.21	-3.28	-0.08
16	4.07	-1.36	1.27	3.41	-2.04	0.52	---	---	---	3.91	-2.79	0.73
17	3.89	-1.23	1.21	3.30	-2.11	0.44	---	---	---	4.21	-3.05	0.83
18	4.07	-1.07	1.25	3.92	-2.21	0.72	---	---	---	4.81	-4.25	0.51
19	4.14	-1.09	1.31	3.66	-4.10	0.48	---	---	---	4.35	-4.08	0.34
20	4.01	-1.90	1.03	4.30	-3.09	0.69	---	---	---	5.43	-3.87	0.99
21	4.04	-3.32	0.82	4.97	-3.53	1.15	---	---	---	5.43	-4.09	0.80
22	4.41	-3.25	0.64	5.32	-3.56	1.12	---	---	---	5.07	-4.23	0.38
23	5.27	-3.00	1.54	5.67	-3.82	1.02	---	---	---	4.17	-4.97	-0.05
24	5.33	-3.18	1.42	5.85	-3.90	0.93	---	---	---	4.07	-4.41	-0.08
25	5.70	-3.57	1.27	5.71	-4.36	0.96	---	---	---	4.87	-3.80	0.87
26	5.42	-3.83	0.95	5.92	-3.20	1.26	---	---	---	4.48	-2.71	1.03
27	5.47	-3.76	0.92	5.69	-3.01	1.18	---	---	---	4.14	-2.84	0.78
28	5.79	-3.52	1.21	4.94	-3.97	0.35	---	---	---	3.20	-3.27	-0.34
29	5.07	-3.78	1.00	3.67	-4.00	-0.39	---	---	---	2.92	-2.76	-0.04
30	5.22	-2.58	1.22	3.67	-3.36	0.25	---	---	---	2.73	-2.55	-0.16
31	5.08	-1.54	1.54	---	---	---	---	---	---	2.63	-2.03	0.44
MONTH	5.79	-3.83	1.29	5.92	-4.36	1.02	---	---	---	---	---	---

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

STATION NUMBER 02198980 SAVANNAH RIVER AT FORT PULASKI, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320202 LONGITUDE 0805412 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.02 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.95	-0.99	1.31	3.13	-2.37	0.24	3.40	-3.21	0.39	3.69	-3.42	0.55
2	4.37	-1.96	1.54	3.07	-3.21	-0.20	3.46	-3.43	0.27	4.28	-3.74	0.51
3	3.78	-3.51	0.41	2.94	-3.43	-0.23	4.21	-3.68	0.72	4.49	-4.70	0.24
4	3.68	-3.56	0.23	3.40	-3.55	0.01	4.61	-3.70	0.50	5.41	-4.26	0.87
5	4.44	-3.19	0.84	3.85	-3.71	0.12	4.88	-3.94	0.81	5.49	-4.18	0.69
6	4.46	-3.13	0.70	4.13	-4.25	-0.15	5.32	-4.04	0.66	5.54	-4.29	0.50
7	3.44	-4.18	-0.47	4.03	-4.80	-0.19	5.06	-4.21	0.39	5.32	-3.91	0.49
8	3.86	-4.86	-0.24	4.23	-5.30	-0.28	4.91	-4.24	0.33	5.12	-3.74	0.56
9	4.23	-3.77	0.27	4.76	-4.49	0.51	4.90	-3.58	0.52	4.82	-2.95	0.76
10	3.71	-4.05	-0.01	4.78	-3.22	0.74	4.82	-2.88	0.72	4.73	-2.76	0.83
11	3.71	-3.87	-0.15	4.41	-3.59	0.54	4.61	-2.83	0.62	4.65	-2.92	0.81
12	3.78	-2.77	0.53	4.30	-3.54	0.19	4.57	-2.52	0.65	4.22	-2.75	0.77
13	4.00	-2.84	0.47	4.08	-3.04	0.57	4.17	-4.29	-0.04	4.04	-3.09	0.66
14	4.04	-2.80	0.69	4.49	-2.58	0.68	2.16	-4.87	-1.13	4.09	-3.40	0.65
15	4.58	-3.39	0.73	4.13	-3.04	0.41	3.68	-4.00	0.24	4.16	-3.38	0.64
16	4.63	-2.57	0.94	4.10	-3.44	0.54	4.08	-3.68	0.48	4.34	-3.36	0.59
17	4.93	-3.79	1.09	4.14	-3.57	0.54	4.07	-3.84	0.36	4.48	-3.37	0.52
18	4.72	-3.84	0.65	4.76	-3.54	0.88	4.00	-4.10	0.09	4.23	-3.45	0.44
19	4.88	-4.24	0.50	4.54	-3.99	0.60	3.87	-4.30	-0.10	4.23	-3.28	0.43
20	4.87	-4.41	0.36	5.01	-3.23	1.17	3.84	-4.31	-0.32	3.67	-3.54	0.09
21	4.14	-4.69	-0.02	4.24	-4.18	0.43	3.89	-3.85	-0.06	3.67	-3.39	-0.06
22	4.48	-4.23	0.28	4.70	-3.33	0.84	3.73	-3.65	-0.03	3.41	-3.32	-0.04
23	4.33	-3.48	0.58	4.35	-3.22	0.85	3.18	-3.44	-0.19	3.49	-2.94	0.05
24	4.15	-3.15	0.85	4.05	-3.03	0.54	3.02	-3.17	-0.26	3.20	-2.77	0.03
25	5.18	-1.41	1.79	3.54	-2.95	0.26	3.15	-2.61	0.09	3.18	-2.81	-0.12
26	5.45	-1.22	1.98	3.41	-2.84	0.07	3.11	-2.13	0.20	2.98	-3.01	-0.19
27	4.15	-1.67	1.03	3.11	-2.34	0.14	2.77	-2.20	0.26	2.74	-3.08	-0.15
28	3.78	-1.28	1.24	3.24	-1.95	0.35	2.99	-1.76	0.76	2.86	-3.12	-0.02
29	3.51	-1.67	0.67	3.92	-0.82	1.28	3.52	-2.17	0.67	3.76	-3.04	0.31
30	---	---	---	3.94	-0.86	1.43	3.43	-2.80	0.57	4.51	-2.93	0.94
31	---	---	---	3.85	-2.59	1.03	---	---	---	4.70	-3.88	0.58
MONTH	5.45	-4.86	0.65	5.01	-5.30	0.45	5.32	-4.87	0.27	5.54	-4.70	0.42

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

STATION NUMBER 02198980 SAVANNAH RIVER AT FORT PULASKI, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320202 LONGITUDE 0805412 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.02 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.20	-4.39	0.40	5.48	-4.24	0.70	5.53	-4.33	0.80	4.25	-4.13	0.34
2	5.51	-4.24	0.66	5.62	-4.31	0.58	5.57	-3.55	0.96	4.47	-3.43	0.76
3	5.47	-4.66	0.45	5.44	-4.46	0.48	5.00	-3.30	1.03	4.61	-2.19	1.20
4	5.39	-4.75	0.26	5.48	-4.14	0.59	4.62	-3.42	0.88	4.50	-1.88	1.35
5	5.25	-4.41	0.25	5.10	-3.93	0.61	4.38	-3.04	0.86	4.80	-0.81	1.98
6	4.99	-3.90	0.46	4.89	-4.12	0.66	4.51	-2.93	1.14	4.80	-0.40	2.22
7	4.65	-3.46	0.56	4.77	-3.22	0.88	4.67	-1.43	1.62	3.95	-0.55	1.71
8	4.65	-3.11	0.69	4.37	-3.34	0.76	4.03	-1.84	1.21	3.55	-1.69	0.86
9	4.48	-2.94	0.81	3.97	-2.79	0.70	3.76	-1.90	0.99	3.35	-2.16	0.45
10	4.14	-2.92	0.82	4.10	-2.86	0.82	3.70	-1.96	0.87	3.58	-2.70	0.46
11	3.96	-3.30	0.52	4.12	-2.46	0.96	3.75	-2.28	0.68	4.32	-2.35	1.04
12	4.09	-3.25	0.67	3.90	-2.53	0.79	3.64	-3.15	0.53	5.03	-2.02	1.48
13	4.81	-2.00	1.46	3.93	-2.98	0.47	3.41	-3.46	0.01	5.16	-2.18	1.51
14	4.38	-2.45	1.11	3.61	-2.95	0.24	3.65	-2.95	0.47	5.15	-2.41	1.62
15	4.38	-2.75	0.86	3.55	-3.01	0.18	4.01	-3.65	0.21	4.91	-2.77	1.36
16	4.04	-3.16	0.46	4.42	-2.92	0.60	4.14	-3.41	0.36	4.86	-3.00	1.16
17	3.92	-3.14	0.36	4.32	-3.07	0.61	4.29	-3.16	0.58	4.44	-3.54	0.66
18	3.86	-3.19	0.19	3.91	-3.14	0.34	4.26	-3.10	0.63	4.32	-3.81	0.45
19	4.14	-2.98	0.38	4.20	-3.04	0.48	3.90	-3.31	0.37	4.62	-2.93	1.06
20	4.65	-2.36	1.02	4.13	-2.95	0.55	3.61	-3.46	0.28	5.47	-1.34	1.96
21	4.45	-1.69	1.32	3.94	-3.06	0.50	3.43	-3.42	0.01	5.58	-0.94	2.22
22	3.75	-2.51	0.67	3.79	-2.91	0.55	3.66	-3.44	0.05	5.06	-1.71	1.73
23	3.35	-2.89	-0.05	3.73	-2.85	0.54	4.07	-3.04	0.57	4.62	-2.27	1.23
24	2.95	-3.23	-0.14	3.67	-2.92	0.45	4.54	-2.45	1.01	5.08	-2.21	1.54
25	2.98	-2.92	0.07	3.78	-3.09	0.41	4.80	-2.34	1.15	5.55	-1.93	1.98
26	3.02	-3.29	-0.04	3.98	-3.16	0.45	4.82	-3.25	0.89	5.93	-1.73	2.23
27	4.08	-3.07	0.44	4.48	-3.27	0.60	5.20	-3.55	0.92	5.49	-2.29	2.07
28	4.15	-3.64	0.26	4.69	-3.81	0.49	5.72	-3.21	1.39	4.18	-4.16	0.40
29	4.71	-4.23	0.33	4.77	-3.97	0.51	4.88	-4.60	0.55	4.60	-4.80	0.56
30	5.31	-4.13	0.62	5.33	-4.20	0.69	4.61	-4.29	0.30	4.75	-3.59	0.93
31	---	---	---	5.82	-3.79	1.02	4.41	-4.44	0.27	---	---	---
MONTH	5.51	-4.75	0.53	5.82	-4.46	0.59	5.72	-4.60	0.70	5.93	-4.80	1.28

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

STATION NUMBER 02198980 SAVANNAH RIVER AT FORT PULASKI, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320202 LONGITUDE 0805412 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.02 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	---	0.03	0.00	0.00	0.65	0.01	2.43	0.40	0.00
2	0.00	0.00	0.00	---	0.26	0.00	0.00	0.94	0.00	0.08	0.07	0.00
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.38	0.00	0.01	0.00	0.00
4	0.00	0.06	0.57	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00
5	0.00	0.03	0.03	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.63	0.00
6	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00	0.00	0.00	1.62
7	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.65
8	0.03	0.00	0.00	0.08	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.11
9	0.00	0.00	0.00	0.41	0.01	0.00	0.00	0.00	0.00	0.60	0.00	0.00
10	0.03	0.00	0.37	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.18
11	0.06	0.00	0.00	---	0.21	0.00	0.00	0.02	0.00	0.01	0.08	0.00
12	0.00	0.00	---	0.00	0.63	0.00	0.48	0.00	0.00	0.00	2.21	0.26
13	0.04	0.00	---	0.00	0.07	0.00	0.48	0.00	0.13	0.01	0.38	1.65
14	0.00	0.00	---	0.00	0.79	0.00	0.00	0.00	0.95	0.00	0.04	0.15
15	0.00	0.00	---	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.72	0.06
16	0.00	0.00	---	0.00	0.00	0.12	0.00	0.38	0.41	0.00	0.00	0.01
17	0.44	0.00	---	0.00	0.07	0.00	0.00	0.00	0.00	0.52	0.06	0.00
18	0.00	0.00	---	0.03	0.00	0.00	0.00	0.02	0.00	1.03	0.00	0.00
19	0.00	0.29	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00
21	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.96	0.00	1.36	0.00
22	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	2.09	0.00	0.26	0.00
23	0.00	0.00	---	0.00	0.02	0.00	0.00	0.23	0.07	0.00	0.42	0.00
24	0.00	0.01	---	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.02	0.00
25	0.00	0.00	---	0.08	0.13	0.00	0.00	0.00	0.28	0.11	0.00	0.00
26	0.00	0.00	---	0.77	0.52	0.00	0.03	0.00	0.01	0.00	0.00	0.42
27	0.09	0.00	---	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.27
28	2.10	0.24	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.07	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
30	0.00	0.00	---	0.00	---	0.00	0.06	0.00	0.01	0.00	0.95	0.00
31	0.00	---	---	0.00	---	0.00	---	0.00	---	0.34	0.00	---
TOTAL	2.89	0.63	---	---	3.65	0.12	1.08	2.62	5.63	5.70	7.61	5.38

OGEECHEE RIVER BASIN
2004 Water Year

02200400 ROCKY COMFORT CREEK AT GA 88, NEAR GRANGE, GA

LOCATION.—Lat 33°06'09", long 82°34'02", referenced to North American Datum (NAD) of 1927, Jefferson County, Hydrologic Unit 03060201, at culvert on GA 88, 1.5 miles northeast of Grange.

DRAINAGE AREA.—188 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to July 8, 2004 (due to bridge construction).

GAGE.—Crest-stage partial-record gage. Datum of gage is 250.10 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined. The probable peak for the 2004 water year occurred on September 28 due to hurricanes, with an unknown discharge.

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 16.00 feet, March 10, 1998
DISCHARGE: 5,250 cfs, March 10, 1998

MAXIMUM RECORDED FOR CURRENT YEAR.--
STAGE: 8.55 feet, January 27
DISCHARGE: 501 cfs, January 27

OGEECHEE RIVER BASIN
2004 Water Year

02200000 OGEECHEE RIVER AT GA 16, AT JEWELL, GA

LOCATION.—Lat 33°17'48", long 82°46'40", referenced to North American Datum (NAD) of 1927, Hancock-Warren County line, Hydrologic Unit 03060201, at GA 16, at Jewell.

DRAINAGE AREA.—242 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1888, 1928-29, 1944, 1961, 1971**,** 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 331.28 feet above National Geodetic Vertical Datum (NGVD) of 1929.

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

MAXIMUM FOR PERIOD OF RECORD.—

STAGE: 34.12 feet, December 1888 (day unknown)
DISCHARGE: 27,000 cfs, December 1888 (day unknown)

MAXIMUM FOR CURRENT YEAR.—

STAGE: 20.93 feet, September 28
DISCHARGE: 7,070 cfs, September 28

OGEECHEE RIVER BASIN
2004 Water Year

02200930 SPRING CREEK NEAR LOUISVILLE, GA
(Published previous to 1987 as Ogeechee River tributary near Louisville, GA)

LOCATION.—Lat 32°55'22", long 82°18'49", referenced to North American Datum (NAD) of 1927, Jefferson County, Hydrologic Unit 03060201, at culvert on GA 17, 8.5 miles southeast of Louisville.

DRAINAGE AREA.—14.2 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1965 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 210.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

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

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 10.38 feet, October 12, 1990
DISCHARGE: 2,200 cfs, October 12, 1990

MAXIMUM FOR CURRENT YEAR.--
STAGE: 3.74 feet, January 26
DISCHARGE: 175 cfs, January 26

2004 Water Year

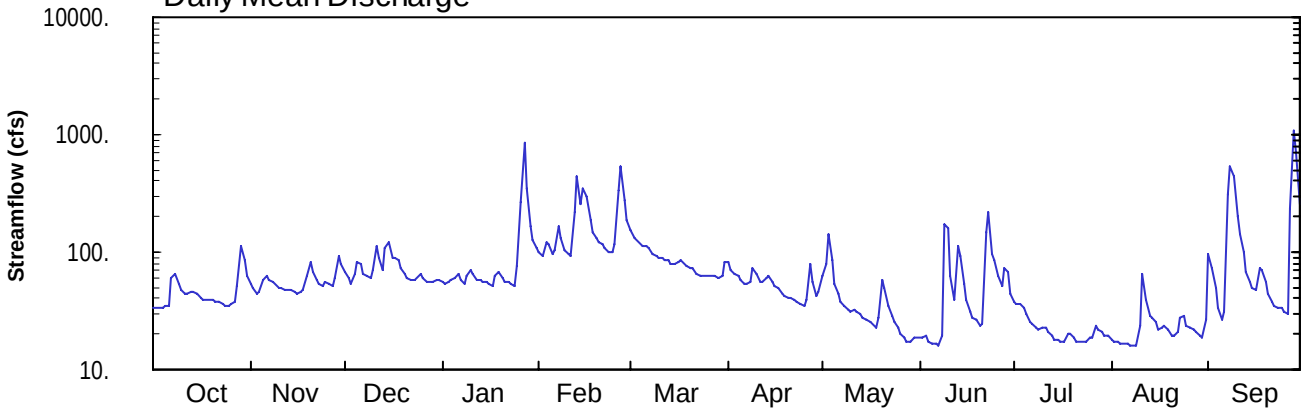
OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA

Latitude: 32°58'32" Longitude: 082°36'36" Hydrologic Unit Code: 03060201

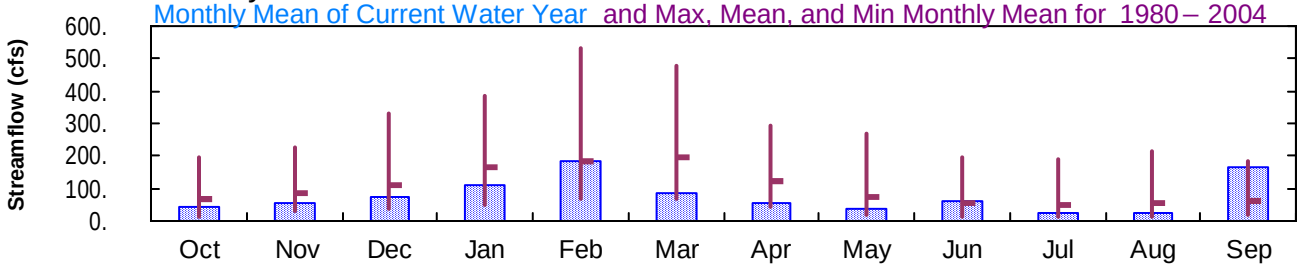
Washington County Datum: 270.00 feet Drainage Area: 109. mi^2

Daily Mean Discharge

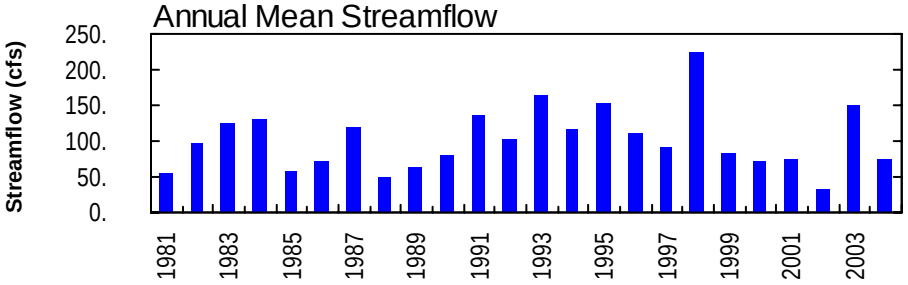


Monthly Statistics

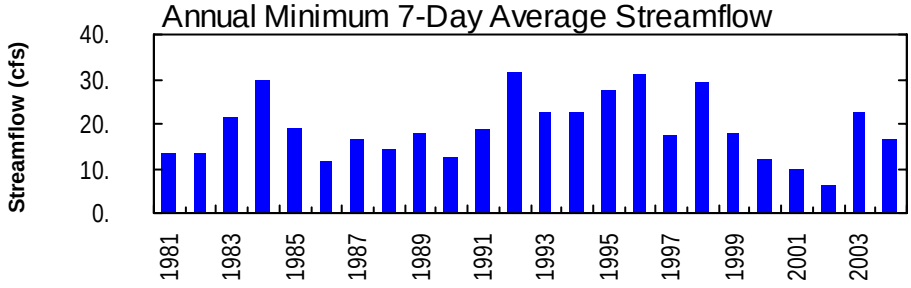
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1980 – 2004



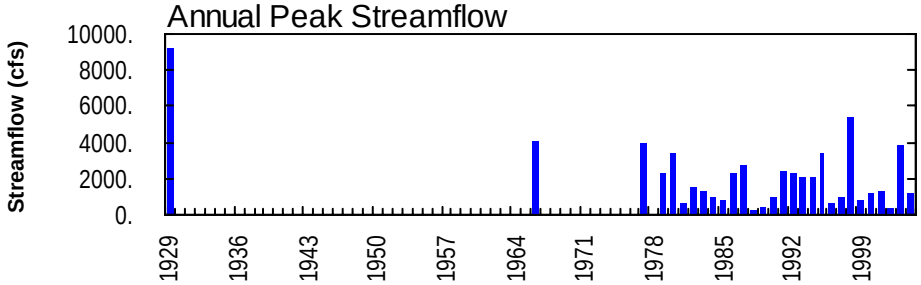
Annual Mean Streamflow

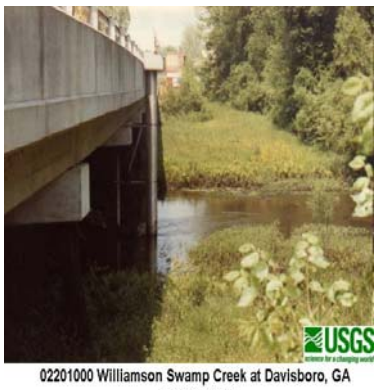


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02201000 Williamson Swamp Creek at Davisboro, GA
May 11, 1983

OGEECHEE RIVER BASIN
2004 Water Year

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA

LOCATION.—Lat 32°58'32", long 82°36'36", referenced to North American Datum (NAD) of 1927, Washington County, Hydrologic Unit 03060201, on downstream side of bridge on GA 231 at Davisboro, 1.2 miles downstream from Central of Georgia Railroad bridge, and 1.9 miles downstream from Sun Hill Creek.

DRAINAGE AREA.—109 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July to December 1903, water years 1979-80 (annual maximum), May 1980 to current year. Monthly discharges only for July to December 1903, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 263.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from information obtained from Georgia Department of Transportation). From August 16, 1978 to May 8, 1980, a crest-stage gage located at same site and datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Periods of monthly discharges only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 650 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
01/27	1400	950	8.09
09/28	1700	1,260*	8.59*

WATER-STAGE RECORDS

PERIOD OF RECORD.—July to December 1903, water years 1979-80 (annual maximum), May 1980 to current year. Monthly discharges only for July to December 1903, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 263.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from information obtained from Georgia Department of Transportation). From August 16, 1978 to May 8, 1980, a crest-stage gage located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.59 feet, September 28; minimum gage-height recorded, 2.42 feet, August 6-10.

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

STATION NUMBER 02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325832 LONGITUDE 0823636 NAD27 DRAINAGE AREA 109.00* CONTRIBUTING DRAINAGE AREA DATUM 270.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	54	66	55	100	151	81	63	18	37	18	95
2	34	49	61	55	93	133	71	78	19	36	17	73
3	34	45	54	56	123	126	66	142	19	36	17	50
4	34	45	64	57	116	117	63	84	17	33	17	34
5	34	57	84	60	98	112	57	54	17	30	17	27
6	34	64	79	66	103	110	54	44	16	26	17	31
7	60	58	66	57	166	107	53	38	16	24	16	308
8	64	56	62	54	129	97	57	35	19	22	16	526
9	53	53	60	63	102	93	73	32	176	21	16	434
10	47	50	70	72	95	91	65	31	161	23	24	199
11	44	49	113	64	91	87	56	32	63	23	64	143
12	44	48	87	58	222	85	55	31	39	21	39	102
13	46	47	70	58	446	84	60	30	112	19	29	69
14	46	47	107	56	253	81	64	28	92	18	28	55
15	44	46	120	56	353	80	56	26	54	18	25	49
16	41	44	90	54	293	83	51	25	39	17	22	48
17	39	46	88	52	185	86	49	24	31	18	22	75
18	40	47	85	62	148	80	45	23	27	20	23	70
19	40	63	73	68	131	76	42	27	26	20	22	55
20	39	82	65	60	120	73	41	57	23	19	20	44
21	38	67	60	56	115	72	40	50	24	18	19	38
22	37	57	58	56	107	66	39	35	150	17	21	35
23	36	53	58	53	100	62	37	29	220	17	28	34
24	35	52	61	51	100	61	36	25	97	e17	29	33
25	35	56	65	76	116	62	35	22	85	19	24	31
26	36	54	60	262	339	62	40	20	63	18	22	30
27	38	52	57	848	529	62	79	19	52	24	21	239
28	51	60	55	352	281	62	57	17	74	22	21	1100
29	111	91	55	165	184	60	42	18	67	21	20	691
30	85	79	57	126	---	62	46	18	44	19	18	259
31	62	---	57	110	---	82	---	18	---	19	26	---
TOTAL	1415	1671	2207	3338	5238	2665	1610	1175	1860	692	718	4977
MEAN	45.6	55.7	71.2	108	181	86.0	53.7	37.9	62.0	22.3	23.2	166
MAX	111	91	120	848	529	151	81	142	220	37	64	1100
MIN	34	44	54	51	91	60	35	17	16	17	16	27
CFSM	0.42	0.51	0.65	0.99	1.66	0.79	0.49	0.35	0.57	0.20	0.21	1.52
IN.	0.48	0.57	0.75	1.14	1.79	0.91	0.55	0.40	0.63	0.24	0.25	1.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	65.8	82.9	109	162	185	198	124	73.9	57.1	49.4	56.3	59.1
MAX	195	229	330	386	533	475	297	270	199	187	215	184
(WY)	1995	1993	1998	1987	1998	1998	1998	2003	2003	1994	1992	1998
MIN	15.2	28.7	39.2	50.3	66.1	67.8	40.6	20.0	12.7	11.2	14.2	16.8
(WY)	2002	2002	2002	2002	2002	1985	2002	2002	2002	2002	2002	1981

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	53193		27566			
ANNUAL MEAN	146		75.3		102	
HIGHEST ANNUAL MEAN					225	1998
LOWEST ANNUAL MEAN					33.8	2002
HIGHEST DAILY MEAN	2260	Mar 21	1100	Sep 28	4300	Mar 9 1998
LOWEST DAILY MEAN	34	Sep 20	16	Jun 6 a	6.0	Jul 21 2002
ANNUAL SEVEN-DAY MINIMUM	34	Sep 30	17	Aug 3	6.3	Jul 17 2002
MAXIMUM PEAK FLOW			1260	Sep 28	5430	Mar 9 1998
MAXIMUM PEAK STAGE			8.59	Sep 28	12.38	Mar 9 1998
INSTANTANEOUS LOW FLOW			16	Jun 6	5.6	Aug 20 2002
ANNUAL RUNOFF (CFSM)	1.34		0.691		0.934	
ANNUAL RUNOFF (INCHES)	18.15		9.41		12.69	
10 PERCENT EXCEEDS	269		124		211	
50 PERCENT EXCEEDS	88		54		61	
90 PERCENT EXCEEDS	44		19		22	

e Estimated
a Also Jun 7

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

STATION NUMBER 02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325832 LONGITUDE 0823636 NAD27 DRAINAGE AREA 109.00* CONTRIBUTING DRAINAGE AREA DATUM 270.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.74	3.14	3.39	3.17	3.99	4.75	3.66	3.32	2.53	2.85	2.47	3.91
2	2.74	3.04	3.28	3.16	3.87	4.52	3.48	3.57	2.54	2.82	2.44	3.52
3	2.74	2.97	3.15	3.18	4.36	4.40	3.37	4.62	2.55	2.83	2.44	3.09
4	2.75	2.98	3.35	3.21	4.24	4.26	3.32	3.71	2.51	2.77	2.43	2.78
5	2.75	3.20	3.70	3.26	3.94	4.18	3.22	3.15	2.49	2.71	2.43	2.65
6	2.75	3.34	3.61	3.37	4.03	4.15	3.15	2.96	2.48	2.64	2.43	2.73
7	3.26	3.23	3.39	3.21	4.95	4.09	3.12	2.86	2.47	2.61	2.42	6.00
8	3.34	3.18	3.31	3.15	4.44	3.94	3.20	2.79	2.54	2.57	2.42	7.15
9	3.14	3.12	3.27	3.33	4.02	3.87	3.52	2.75	5.02	2.54	2.42	6.77
10	3.01	3.07	3.45	3.49	3.90	3.82	3.37	2.72	4.82	2.58	2.57	5.29
11	2.95	3.04	4.20	3.34	3.83	3.77	3.19	2.74	3.34	2.57	3.36	4.64
12	2.95	3.03	3.77	3.24	5.33	3.73	3.17	2.73	2.91	2.53	2.88	4.01
13	3.00	3.01	3.46	3.22	6.85	3.71	3.27	2.73	4.14	2.49	2.69	3.44
14	2.99	3.02	4.09	3.20	5.84	3.65	3.34	2.67	3.85	2.47	2.68	3.18
15	2.95	2.99	4.30	3.18	6.43	3.64	3.19	2.65	3.19	2.45	2.62	3.06
16	2.89	2.96	3.82	3.15	6.09	3.69	3.09	2.64	2.91	2.44	2.56	3.04
17	2.85	2.99	3.77	3.12	5.17	3.74	3.05	2.62	2.77	2.45	2.56	3.54
18	2.86	3.01	3.73	3.31	4.71	3.64	2.97	2.59	2.71	2.51	2.58	3.47
19	2.86	3.32	3.51	3.42	4.48	3.56	2.92	2.67	2.69	2.52	2.55	3.18
20	2.86	3.67	3.36	3.27	4.31	3.52	2.90	3.22	2.64	2.48	2.50	2.97
21	2.84	3.41	3.26	3.18	4.24	3.50	2.88	3.10	2.65	2.45	2.49	2.86
22	2.81	3.21	3.22	3.18	4.09	3.39	2.85	2.82	4.68	2.44	2.54	2.80
23	2.78	3.13	3.22	3.12	3.98	3.31	2.82	2.73	5.45	2.44	2.67	2.78
24	2.77	3.12	3.29	3.08	3.99	3.30	2.80	2.66	3.93	---	2.69	2.77
25	2.77	3.18	3.36	3.56	4.24	3.30	2.78	2.61	3.72	2.48	2.60	2.73
26	2.79	3.14	3.27	5.48	6.26	3.30	2.88	2.57	3.33	2.47	2.56	2.70
27	2.82	3.10	3.20	7.89	7.14	3.31	3.62	2.53	3.11	2.60	2.54	4.77
28	3.08	3.27	3.18	6.30	5.99	3.31	3.20	2.51	3.54	2.56	2.53	8.34
29	4.16	3.83	3.17	4.93	5.17	3.27	2.93	2.51	3.41	2.54	2.50	7.47
30	3.73	3.62	3.20	4.40	---	3.31	3.00	2.53	2.98	2.50	2.47	5.84
31	3.30	---	3.21	4.15	---	3.68	---	2.53	---	2.49	2.63	---
MEAN	2.98	3.18	3.47	3.69	4.82	3.73	3.14	2.86	3.26	---	2.57	4.05
MAX	4.16	3.83	4.30	7.89	7.14	4.75	3.66	4.62	5.45	---	3.36	8.34
MIN	2.74	2.96	3.15	3.08	3.83	3.27	2.78	2.51	2.47	---	2.42	2.65

2004 Water Year

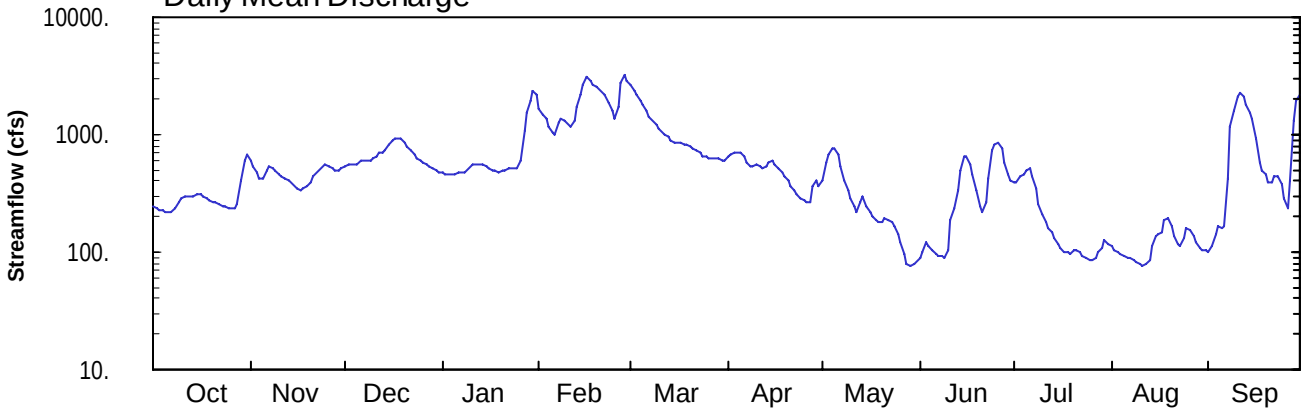
OGEECHEE RIVER BASIN

02201230 OGEECHEE RIVER AT MIDVILLE, GA

Latitude: 32°48'52" Longitude: 082°14'07" Hydrologic Unit Code: 03060201

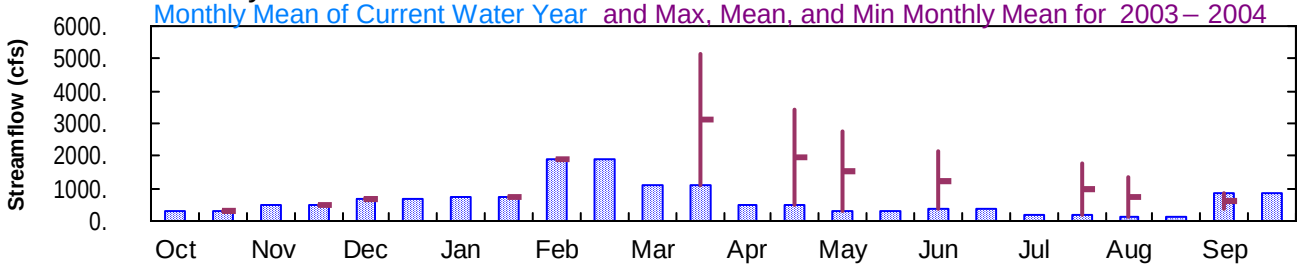
Burke County Datum: 169.96 feet Drainage Area: 1300. mi²

Daily Mean Discharge

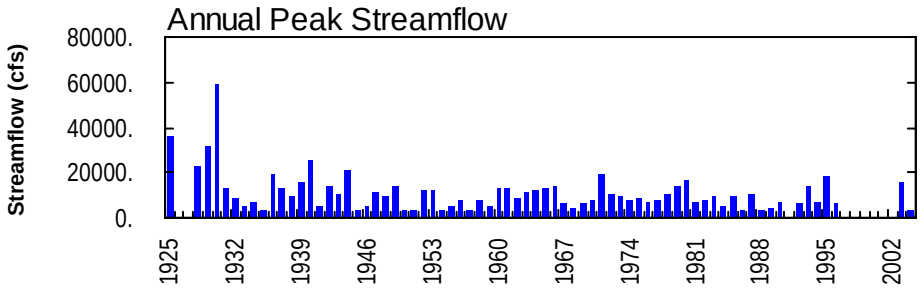


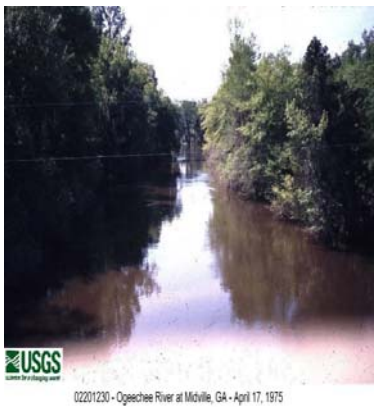
Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



Annual Peak Streamflow





OGEECHEE RIVER BASIN
2004 Water Year

02201230 OGEECHEE RIVER AT MIDVILLE, GA

LOCATION.—Lat 32 48'52", long 81 14'07", referenced to North American Datum (NAD) of 1927, Burke County, Hydrologic Unit 03060201, on left bank, 5.0 feet downstream of bridge on GA 56, at Midville.

DRAINAGE AREA.—1,300 square miles, approximately.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1930 to October 1989 (gage-height only), February 26, 2003 to current year. Gage-height only records contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 168.86 feet above National Geodetic Vertical Datum (NGVD) of 1929. Staff gage was installed from July 1930 to October 1931 at gage datum of 171.96 feet, referenced to the National Geodetic Vertical Datum (NGVD) of 1929. A staff gage or wire-weight gage was installed from October 1931 to October 1989 at gage datum of 169.96 feet, referenced to the National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for periods of estimated discharges, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1930 to October 1989 (gage-height only), February 26, 2003 to current year. Gage-height only records contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 168.86 feet above National Geodetic Vertical Datum (NGVD) of 1929. Staff gage was installed from July 1930 to October 1931 at gage datum of 171.96 feet, referenced to the National Geodetic Vertical Datum (NGVD) of 1929. A staff gage or wire-weight gage was installed from October 1931 to October 1989 at gage datum of 169.96 feet, referenced to the National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for periods from April 6-12 and May 18-25, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1929 was 12.4 feet in October 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.82 feet, February 28; minimum gage-height recorded, -1.68 feet, May 29, but may have been lower during the period from May 29-31 when water was below the recordable stage.

02201230 OGEECHEE RIVER AT MIDVILLE, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 26, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02201230 OGEECHEE RIVER AT MIDVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 324852 LONGITUDE 0821407 NAD27 DRAINAGE AREA 1300.00 CONTRIBUTING DRAINAGE AREA 1300* DATUM 169.96 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	612	540	477	1670	2650	658	413	e87	390	112	101
2	233	537	563	467	1470	2370	686	571	e99	386	105	113
3	228	472	565	459	1340	2150	702	679	e120	436	100	145
4	223	425	551	462	1180	1980	714	773	e113	451	97	163
5	219	418	558	463	1040	1770	707	760	e103	503	93	161
6	215	498	596	475	998	1590	649	670	e94	506	89	167
7	219	539	609	478	1240	1450	574	541	e92	441	89	419
8	238	517	610	477	1380	1330	528	411	92	346	87	1170
9	265	492	612	492	1330	1220	540	333	90	258	82	1580
10	292	463	615	528	1230	1130	566	281	104	211	79	2090
11	302	438	650	555	1170	1050	531	243	189	182	77	2280
12	298	416	703	558	1330	996	514	222	237	159	78	2110
13	296	406	715	558	1730	946	541	265	338	146	85	1790
14	300	387	734	557	2210	899	590	303	491	130	111	1570
15	308	364	809	542	2700	866	593	250	655	116	139	1350
16	314	346	877	524	3080	850	550	218	640	106	140	918
17	303	340	910	505	2920	845	513	198	546	99	147	586
18	289	345	922	490	2630	834	485	187	454	98	187	488
19	280	358	925	485	2510	813	448	180	336	98	193	462
20	270	391	866	495	2410	780	405	181	245	104	167	398
21	263	448	786	503	2310	755	369	193	216	104	135	396
22	254	473	723	511	2160	731	340	190	263	99	118	434
23	245	489	670	522	1850	694	308	179	418	93	112	435
24	241	532	634	512	1570	662	288	167	722	89	133	370
25	237	550	602	508	1390	640	273	e143	824	86	160	289
26	235	539	573	604	1740	630	262	e121	841	87	154	234
27	234	516	551	1070	2770	632	270	e98	751	88	137	403
28	253	503	534	1540	3220	628	368	81	580	100	123	1310
29	414	502	516	1940	2900	616	413	e78	457	107	110	1930
30	608	514	498	2390	---	606	360	e80	410	128	103	2190
31	670	---	485	2160	---	614	---	e82	---	118	104	---
TOTAL	8990	13830	20502	22307	55478	33727	14745	9091	10607	6265	3646	26052
MEAN	290	461	661	720	1913	1088	492	293	354	202	118	868
MAX	670	612	925	2390	3220	2650	714	773	841	506	193	2280
MIN	215	340	485	459	998	606	262	78	87	86	77	101
CFSM	0.22	0.35	0.51	0.55	1.47	0.84	0.38	0.23	0.27	0.16	0.09	0.67
IN.	0.26	0.40	0.59	0.64	1.59	0.97	0.42	0.26	0.30	0.18	0.10	0.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	290	461	661	720	1913	3118	1958	1512	1239	997	741	632
MAX	290	461	661	720	1913	5147	3425	2730	2124	1793	1365	868
(WY)	2004	2004	2004	2004	2004	2003	2003	2003	2003	2003	2003	2004
MIN	290	461	661	720	1913	1088	492	293	354	202	118	395
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	225240			
ANNUAL MEAN	615		615	
HIGHEST ANNUAL MEAN			615	2004
LOWEST ANNUAL MEAN			615	2004
HIGHEST DAILY MEAN	3220	Feb 28	15400	Mar 22 2003
LOWEST DAILY MEAN	77	Aug 11	77	Aug 11 2004
ANNUAL SEVEN-DAY MINIMUM	82	Aug 7	82	Aug 7 2004
MAXIMUM PEAK FLOW	3310	Feb 28	16000	Mar 22 2003
MAXIMUM PEAK STAGE	5.82	Feb 28	8.51	Mar 22 2003
INSTANTANEOUS LOW FLOW			76	May 29 2004 a
ANNUAL RUNOFF (CFSM)	0.473		0.473	
ANNUAL RUNOFF (INCHES)	6.45		6.43	
10 PERCENT EXCEEDS	1460		1460	
50 PERCENT EXCEEDS	474		474	
90 PERCENT EXCEEDS	104		104	

e Estimated
a May have been lower during period of missing record

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

STATION NUMBER 02201230 OGEECHEE RIVER AT MIDVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 324852 LONGITUDE 0821407 NAD27 DRAINAGE AREA 1300.00 CONTRIBUTING DRAINAGE AREA 1300* DATUM 169.96 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.99	2.94	2.68	2.44	4.85	5.51	3.09	2.15	---	2.26	-0.54	-0.79
2	0.86	2.67	2.77	2.40	4.60	5.36	3.18	2.79	---	2.24	-0.70	-0.51
3	0.79	2.42	2.78	2.36	4.44	5.23	3.23	3.16	---	2.45	-0.83	0.04
4	0.73	2.22	2.73	2.38	4.22	5.12	3.27	3.44	---	2.51	-0.90	0.32
5	0.67	2.18	2.75	2.38	4.01	4.96	3.25	3.40	---	2.70	-1.00	0.29
6	0.63	2.52	2.89	2.43	3.94	4.75	3.06	3.13	---	2.71	-1.12	0.38
7	0.68	2.68	2.93	2.45	4.30	4.58	2.81	2.70	---	2.47	-1.12	2.08
8	0.91	2.60	2.93	2.44	4.48	4.42	2.64	2.17	-1.04	2.01	-1.18	4.19
9	1.17	2.50	2.94	2.50	4.42	4.28	2.69	1.72	-1.08	1.41	-1.32	4.74
10	1.39	2.38	2.95	2.64	4.29	4.16	2.78	1.36	-0.75	0.93	-1.43	5.19
11	1.46	2.27	3.07	2.74	4.21	4.04	2.65	1.03	0.66	0.57	-1.47	5.30
12	1.44	2.17	3.23	2.75	4.42	3.94	2.59	0.80	1.24	0.26	-1.46	5.20
13	1.42	2.13	3.27	2.75	4.90	3.85	2.69	1.21	1.96	0.06	-1.23	4.98
14	1.45	2.04	3.33	2.75	5.26	3.76	2.87	1.55	2.64	-0.19	-0.58	4.73
15	1.51	1.90	3.54	2.69	5.53	3.68	2.88	1.14	3.18	-0.45	-0.05	4.45
16	1.56	1.78	3.71	2.62	5.72	3.65	2.72	0.80	3.14	-0.67	-0.03	3.78
17	1.47	1.74	3.78	2.55	5.64	3.63	2.59	0.56	2.85	-0.85	0.07	2.97
18	1.37	1.78	3.80	2.49	5.50	3.61	2.47	0.41	2.51	-0.87	0.64	2.64
19	1.30	1.86	3.81	2.47	5.44	3.56	2.32	0.33	1.95	-0.88	0.71	2.55
20	1.22	2.05	3.68	2.51	5.38	3.46	2.12	0.35	1.30	-0.72	0.37	2.29
21	1.16	2.32	3.48	2.54	5.33	3.39	1.93	0.53	1.00	-0.71	-0.11	2.28
22	1.08	2.43	3.30	2.58	5.23	3.32	1.74	0.50	1.45	-0.86	-0.42	2.44
23	1.00	2.49	3.13	2.62	5.03	3.21	1.51	---	2.34	-1.01	-0.53	2.44
24	0.95	2.65	3.01	2.58	4.73	3.10	1.36	0.21	3.36	-1.13	-0.16	2.15
25	0.91	2.72	2.91	2.56	4.50	3.03	1.24	---	3.63	-1.20	0.28	1.64
26	0.87	2.68	2.81	2.90	4.89	3.00	1.14	---	3.67	-1.17	0.18	1.20
27	0.87	2.59	2.73	4.04	5.56	3.01	1.21	---	3.44	-1.14	-0.08	2.05
28	1.06	2.54	2.67	4.69	5.78	2.99	1.90	-1.56	2.95	-0.82	-0.33	4.37
29	2.11	2.54	2.59	5.09	5.63	2.95	2.16	---	2.53	-0.65	-0.58	5.09
30	2.93	2.59	2.53	5.37	---	2.92	1.87	---	2.34	-0.23	-0.76	5.26
31	3.13	---	2.47	5.23	---	2.95	---	---	---	-0.41	-0.71	---
MEAN	1.26	2.35	3.07	2.93	4.90	3.85	2.40	---	---	0.28	-0.53	2.79
MAX	3.13	2.94	3.81	5.37	5.78	5.51	3.27	---	---	2.71	0.71	5.30
MIN	0.63	1.74	2.47	2.36	3.94	2.92	1.14	---	---	-1.20	-1.47	-0.79

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

STATION NUMBER 02201230 OGEECHEE RIVER AT MIDVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 324852 LONGITUDE 0821407 NAD27 DRAINAGE AREA 1300.00 CONTRIBUTING DRAINAGE AREA 1300* DATUM 169.96 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.02
2	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.91	0.00	0.00	0.00	0.03
3	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.04	0.00	0.00
4	0.00	0.46	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
5	0.00	0.20	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.08	0.01	0.00	0.00	1.11	0.03	0.00	0.00	0.00	0.00	0.00	2.88
7	0.41	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	3.16
8	0.12	0.00	0.00	0.08	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.01
9	0.00	0.04	0.00	0.22	0.00	0.14	0.00	0.00	0.27	0.00	0.00	0.00
10	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.04	0.02
11	0.00	0.00	0.00	0.00	0.19	0.00	0.29	0.00	0.00	0.04	0.00	0.00
12	0.00	0.00	0.00	0.00	1.52	0.00	0.01	0.17	0.81	0.00	0.24	0.00
13	0.00	0.00	0.07	0.00	0.00	0.00	0.24	0.00	1.43	0.04	0.00	0.02
14	0.20	0.00	0.54	0.00	1.20	0.00	0.00	0.00	0.02	0.00	2.89	0.02
15	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.06	0.00	0.00	0.01
16	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.03
17	0.00	0.00	0.25	0.00	0.03	0.00	0.00	0.00	0.00	0.03	1.23	0.43
18	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.14	1.18	0.00	0.00
19	0.00	0.41	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.08	0.00	0.00
24	0.00	0.04	0.03	0.00	0.03	0.00	0.00	0.00	0.04	0.69	0.00	0.00
25	0.00	0.00	0.00	0.50	1.15	0.00	0.00	0.00	0.48	0.00	0.00	0.00
26	0.02	0.00	0.00	1.93	1.06	0.00	0.52	0.00	0.00	0.00	0.00	0.08
27	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.25	0.54	0.00	3.55
28	2.33	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.03
29	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.51	0.05	0.00
30	0.00	0.00	0.01	0.00	---	0.10	0.18	0.00	0.58	0.00	0.08	0.00
31	0.00	---	0.00	0.00	---	0.09	---	0.03	---	0.00	0.00	---
TOTAL	3.47	1.53	1.71	3.06	6.73	0.43	1.64	1.31	5.90	3.16	4.53	10.29

2004 Water Year

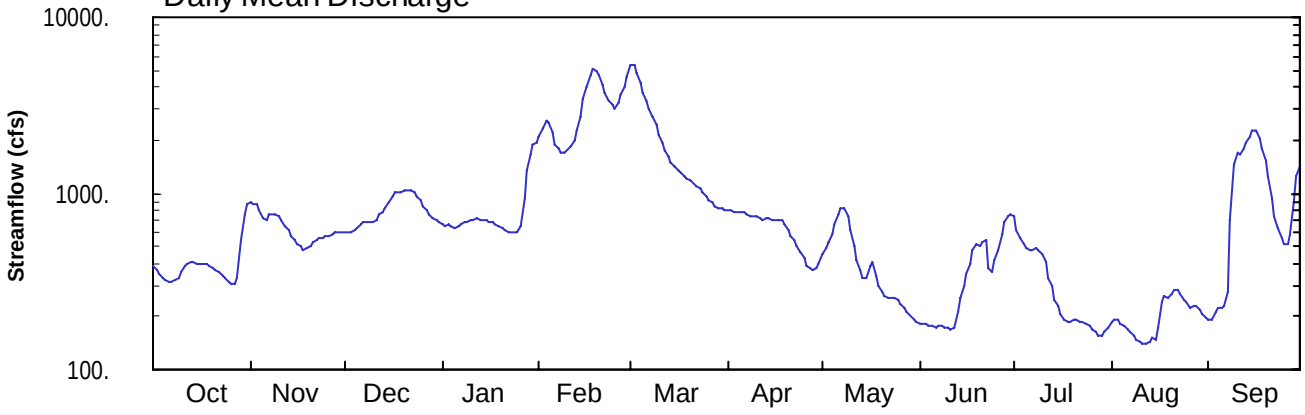
OGEECHEE RIVER BASIN

02202040 OGEECHEE RIVER AT ROCKY FORD RD, NR ROCKY FORD, GA

Latitude: 32°38'56" Longitude: 081°50'27" Hydrologic Unit Code: 03060202

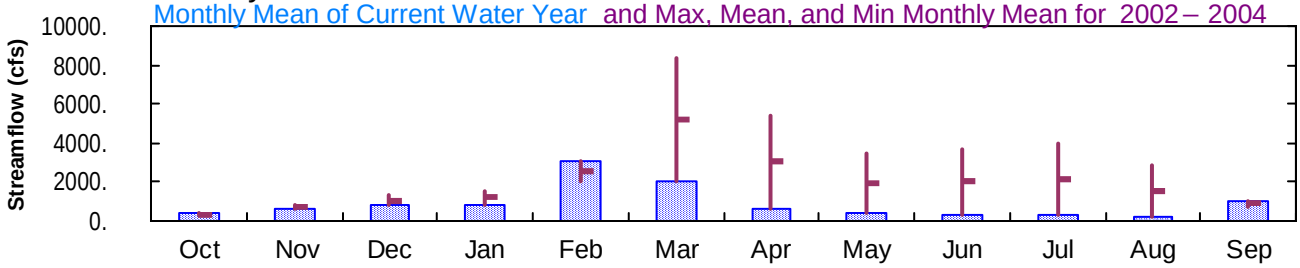
Screven County Datum: 168.86 feet Drainage Area: 2040. mi²

Daily Mean Discharge

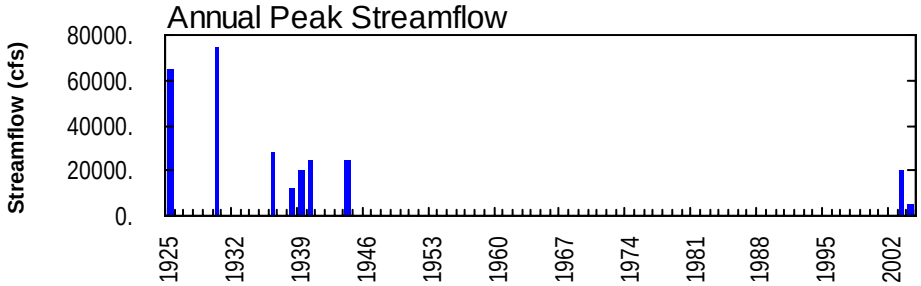


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

OGEECHEE RIVER BASIN
2004 Water Year

02202040 OGEECHEE RIVER AT ROCKY FORD ROAD, NEAR ROCKY FORD, GA

LOCATION.—Lat 32 38'56", long 81 50'27", referenced to North American Datum (NAD) of 1927, Screven-Jenkins County line, Hydrologic Unit 03060202, on downstream side of Rocky Ford Road bridge, 2.1 miles west of Rocky Ford, GA.

DRAINAGE AREA.—2,040 square miles.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 26, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 105.37 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from National Weather Service).

REMARKS.—Records fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 26, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 105.37 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from National Weather Service).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.08 feet, March 1; minimum gage-height recorded, 2.33 feet, August 11, 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 26, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02202040 OGEECHEE RIVER AT ROCKY FORD RD, NR ROCKY FORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 323856 LONGITUDE 0815027 NAD27 DRAINAGE AREA 2040.00* CONTRIBUTING DRAINAGE AREA DATUM 168.86 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	383	897	599	664	2090	5340	799	448	181	735	187	190
2	369	878	601	658	2330	5420	796	485	180	625	193	192
3	352	858	597	660	2570	4830	785	525	180	558	189	215
4	335	807	611	650	2530	4200	786	583	179	513	183	225
5	321	728	641	636	2190	3700	789	665	178	488	176	222
6	311	704	675	644	1910	3320	776	766	175	479	169	232
7	313	759	692	664	1780	3030	757	826	178	479	162	278
8	320	761	683	684	1710	2750	749	813	177	486	154	695
9	333	754	678	688	1690	2440	745	732	173	482	146	1470
10	362	748	685	696	1770	2150	748	616	173	453	143	1700
11	388	711	711	709	1860	1930	726	503	169	412	140	1670
12	400	658	752	714	2000	1770	712	418	172	332	140	1780
13	406	616	782	710	2280	1630	720	364	212	297	144	1920
14	405	577	823	711	2750	1510	719	330	256	251	151	2080
15	400	544	895	705	3460	1410	708	329	301	227	149	2270
16	394	520	974	693	4060	1340	702	389	345	209	174	2260
17	392	499	1000	680	4740	1300	707	402	397	193	242	2050
18	395	481	1000	667	5030	1260	698	339	473	186	259	1810
19	388	484	1020	654	4970	1220	662	296	514	186	258	1540
20	381	504	1040	638	4680	1190	617	273	507	194	269	1230
21	370	528	1040	622	4160	1150	579	259	533	190	285	942
22	355	546	1030	610	3720	1110	539	252	542	189	280	749
23	340	552	1010	602	3390	1060	499	256	379	188	267	627
24	327	562	964	598	3190	1010	464	256	362	182	250	552
25	317	567	907	609	3010	956	426	247	420	175	243	522
26	309	573	850	657	3230	914	391	236	477	170	226	509
27	305	584	800	940	3660	878	378	224	582	163	232	589
28	330	599	761	1330	4050	851	371	214	684	156	232	892
29	536	603	728	1680	4540	829	373	202	740	155	220	1260
30	767	597	702	1870	---	816	395	194	758	162	209	1410
31	877	---	682	1960	---	809	---	187	---	174	198	---
TOTAL	12181	19199	24933	25003	89350	62123	19116	12629	10597	9689	6270	32081
MEAN	393	640	804	807	3081	2004	637	407	353	313	202	1069
MAX	877	897	1040	1960	5030	5420	799	826	758	735	285	2270
MIN	305	481	597	598	1690	809	371	187	169	155	140	190
CFSM	0.19	0.31	0.39	0.40	1.51	0.98	0.31	0.20	0.17	0.15	0.10	0.52
IN.	0.22	0.35	0.45	0.46	1.63	1.13	0.35	0.23	0.19	0.18	0.11	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	329	741	1066	1193	2590	5190	3046	1924	2026	2157	1512	893
MAX	393	842	1327	1579	3081	8375	5456	3441	3699	4001	2822	1069
(WY)	2004	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2004
MIN	266	640	804	807	2082	2004	637	407	353	313	202	717
(WY)	2003	2004	2004	2004	2003	2004	2004	2004	2004	2004	2004	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	1037520		323171			
ANNUAL MEAN	2843		883		1886	
HIGHEST ANNUAL MEAN					2893	2003
LOWEST ANNUAL MEAN					883	2004
HIGHEST DAILY MEAN	19200	Mar 24	5420	Mar 2	19200	Mar 24 2003
LOWEST DAILY MEAN	305	Oct 27	140	Aug 11 a	140	Aug 11 2004
ANNUAL SEVEN-DAY MINIMUM	326	Oct 22	145	Aug 9	145	Aug 9 2004
MAXIMUM PEAK FLOW			5640	Mar 1	20300	Mar 23 2003
MAXIMUM PEAK STAGE			10.08	Mar 1	13.92	Mar 23 2003
INSTANTANEOUS LOW FLOW			140	Aug 11	140	Aug 11 2004
ANNUAL RUNOFF (CFSM)	1.39		0.433		0.925	
ANNUAL RUNOFF (INCHES)	18.92		5.89		12.56	
10 PERCENT EXCEEDS	6490		2020		4580	
50 PERCENT EXCEEDS	1980		602		885	
90 PERCENT EXCEEDS	443		187		232	

A Also Aug 12

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

STATION NUMBER 02202040 OGEECHEE RIVER AT ROCKY FORD RD, NR ROCKY FORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 323856 LONGITUDE 0815027 NAD27 DRAINAGE AREA 2040.00* CONTRIBUTING DRAINAGE AREA DATUM 168.86 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.72	5.83	4.71	5.00	7.96	9.95	5.46	4.00	2.60	5.24	2.63	2.65
2	3.66	5.77	4.72	4.97	8.18	9.98	5.45	4.18	2.59	4.82	2.67	2.66
3	3.57	5.71	4.70	4.98	8.37	9.71	5.41	4.37	2.59	4.52	2.65	2.80
4	3.49	5.54	4.76	4.94	8.34	9.40	5.42	4.64	2.58	4.32	2.61	2.86
5	3.42	5.28	4.89	4.87	8.05	9.12	5.42	4.99	2.57	4.20	2.56	2.84
6	3.37	5.20	5.03	4.91	7.72	8.89	5.38	5.35	2.56	4.16	2.52	2.90
7	3.38	5.38	5.09	4.99	7.55	8.70	5.32	5.55	2.58	4.15	2.48	3.15
8	3.42	5.39	5.06	5.07	7.44	8.50	5.29	5.50	2.57	4.19	2.43	5.02
9	3.48	5.37	5.05	5.08	7.42	8.27	5.28	5.23	2.55	4.17	2.37	7.03
10	3.63	5.35	5.07	5.11	7.53	8.01	5.29	4.78	2.54	4.03	2.35	7.43
11	3.76	5.23	5.16	5.15	7.65	7.75	5.21	4.27	2.52	3.83	2.34	7.39
12	3.82	5.04	5.30	5.17	7.84	7.53	5.17	3.86	2.54	3.44	2.33	7.54
13	3.84	4.85	5.40	5.16	8.13	7.32	5.19	3.60	2.78	3.25	2.36	7.74
14	3.84	4.68	5.54	5.16	8.50	7.14	5.19	3.43	3.03	3.00	2.40	7.95
15	3.81	4.53	5.77	5.14	8.98	6.97	5.15	3.42	3.28	2.87	2.39	8.13
16	3.78	4.42	6.01	5.10	9.33	6.84	5.13	3.72	3.50	2.76	2.55	8.12
17	3.79	4.25	6.08	5.05	9.67	6.76	5.15	3.79	3.76	2.67	2.95	7.91
18	3.80	4.16	6.08	5.01	9.81	6.67	5.12	3.48	4.12	2.63	3.05	7.59
19	3.77	4.18	6.12	4.95	9.78	6.58	4.98	3.25	4.32	2.62	3.05	7.18
20	3.73	4.27	6.17	4.88	9.64	6.51	4.79	3.13	4.29	2.67	3.10	6.60
21	3.68	4.39	6.18	4.81	9.38	6.43	4.62	3.05	4.40	2.65	3.19	5.90
22	3.60	4.47	6.15	4.76	9.13	6.32	4.44	3.01	4.45	2.64	3.16	5.29
23	3.53	4.50	6.10	4.72	8.94	6.21	4.25	3.03	3.67	2.64	3.10	4.83
24	3.46	4.54	5.98	4.71	8.81	6.10	4.08	3.04	3.59	2.60	3.00	4.49
25	3.41	4.57	5.81	4.75	8.69	5.96	3.90	2.98	3.87	2.56	2.96	4.36
26	3.37	4.59	5.63	4.95	8.83	5.83	3.73	2.92	4.15	2.52	2.86	4.30
27	3.35	4.64	5.46	5.89	9.10	5.72	3.67	2.85	4.63	2.48	2.90	4.66
28	3.47	4.71	5.33	6.81	9.32	5.63	3.64	2.79	5.06	2.44	2.90	5.74
29	4.47	4.72	5.22	7.40	9.57	5.56	3.64	2.72	5.26	2.43	2.83	6.65
30	5.41	4.70	5.13	7.67	---	5.51	3.75	2.67	5.32	2.48	2.77	6.97
31	5.77	---	5.06	7.79	---	5.49	---	2.63	---	2.55	2.70	---
MEAN	3.76	4.88	5.44	5.32	8.61	7.27	4.82	3.75	3.48	3.28	2.71	5.62
MAX	5.77	5.83	6.18	7.79	9.81	9.98	5.46	5.55	5.32	5.24	3.19	8.13
MIN	3.35	4.16	4.70	4.71	7.42	5.49	3.64	2.63	2.52	2.43	2.33	2.65

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

STATION NUMBER 02202040 OGEECHEE RIVER AT ROCKY FORD RD, NR ROCKY FORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 323856 LONGITUDE 0815027 NAD27 DRAINAGE AREA 2040.00* CONTRIBUTING DRAINAGE AREA DATUM 168.86 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.58	0.00	0.01	0.39	0.66
3	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.09	0.00	0.00	0.00	0.00
4	0.00	0.06	0.49	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	0.00	0.02	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.11	0.00	0.00	0.00	0.60	0.02	0.00	0.00	0.01	0.00	0.00	1.26
7	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	0.00	0.00	2.89
8	0.20	0.00	0.00	0.05	0.00	0.00	0.54	0.00	0.54	0.00	0.00	0.21
9	0.00	0.00	0.00	0.26	0.00	0.13	0.00	0.00	0.27	0.00	0.00	0.00
10	0.00	0.00	0.35	0.00	0.00	0.01	0.00	0.00	0.00	0.12	0.03	0.50
11	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.08	0.00	0.00	0.37	0.00
12	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.01	0.60	0.28	0.04
13	0.01	0.00	0.05	0.00	0.00	0.00	0.19	0.00	0.54	0.00	0.55	0.06
14	0.13	0.00	0.60	0.00	1.05	0.00	0.00	0.00	0.14	0.00	0.00	0.03
15	0.00	0.00	0.01	0.00	0.17	0.00	0.00	0.00	0.01	0.00	0.46	0.01
16	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.92	0.00	0.00	0.00
17	0.15	0.00	0.05	0.00	0.07	0.00	0.00	0.00	0.01	0.45	0.38	0.25
18	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00
19	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	2.27	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.06	0.00
24	0.00	0.03	0.01	0.00	0.10	0.00	0.00	0.00	0.96	0.00	0.00	0.00
25	0.05	0.00	0.00	0.40	0.59	0.00	0.00	0.00	0.02	0.00	0.00	0.00
26	0.04	0.00	0.00	1.76	1.13	0.00	0.91	0.00	0.00	0.00	0.00	0.12
27	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.32	0.28	0.00	2.09
28	2.69	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03
29	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
30	0.00	0.00	0.07	0.00	---	0.07	0.03	0.00	1.30	0.00	0.07	0.00
31	0.00	---	0.00	0.00	---	0.03	---	0.11	---	0.09	0.01	---
TOTAL	4.19	0.98	1.63	2.80	5.32	0.28	1.68	1.26	12.38	1.94	4.91	8.15

2004 Water Year

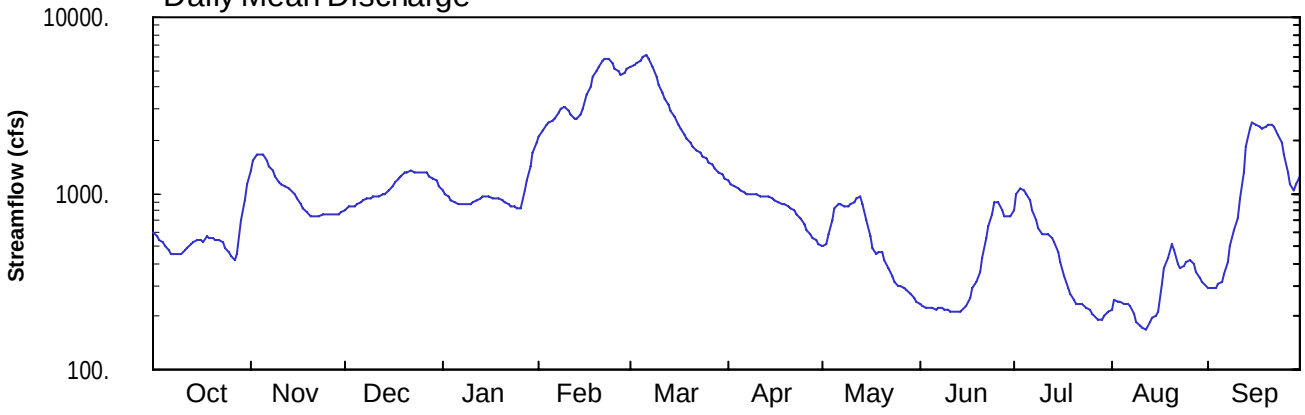
OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA

Latitude: 32°11'29" Longitude: 081°24'58" Hydrologic Unit Code: 03060202

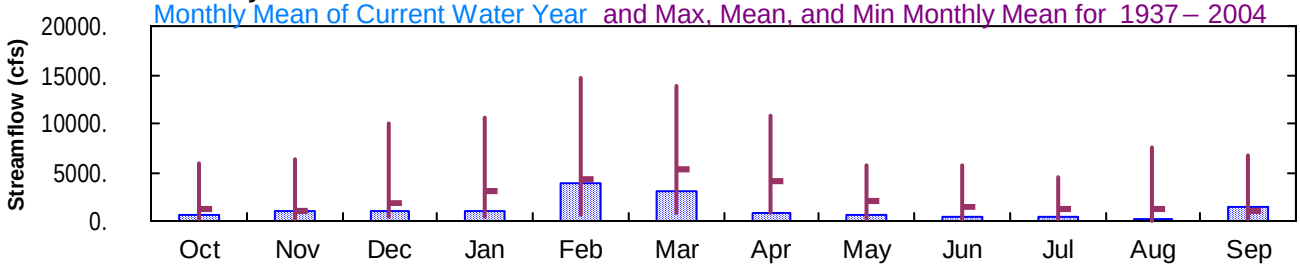
Effingham County Datum: 17.64 feet Drainage Area: 2650. mi²

Daily Mean Discharge

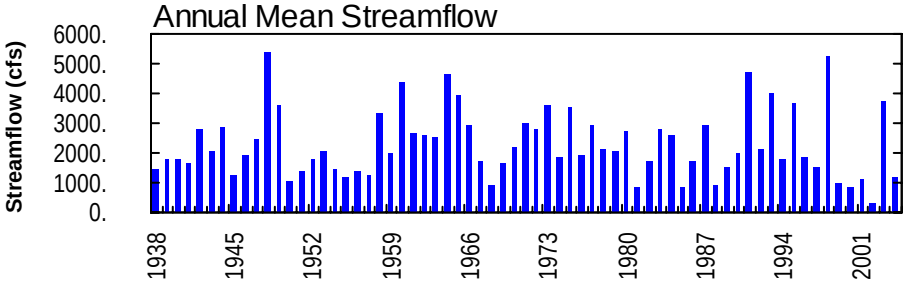


Monthly Statistics

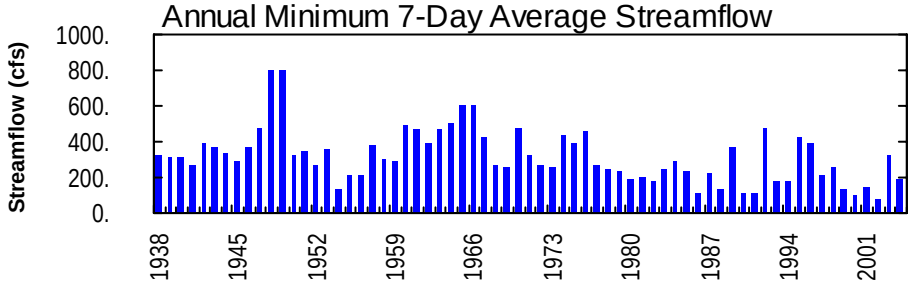
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



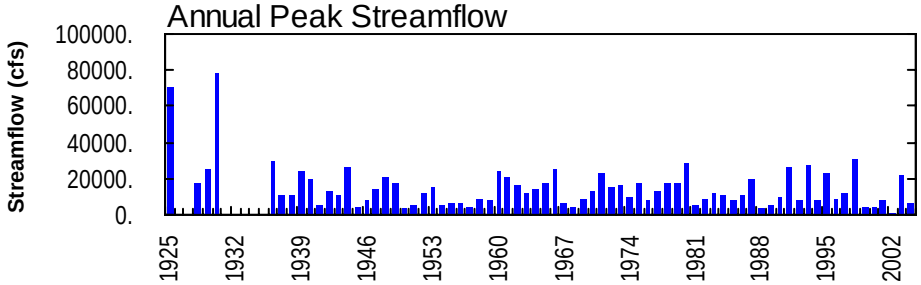
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



OGEECHEE RIVER BASIN
2004 Water Year

02202500 OGEECHEE RIVER NEAR EDEN, GA

LOCATION.—Lat 32°11'29", long 81°24'58", referenced to North American Datum (NAD) of 1927, Effingham-Bryan County line, Hydrologic Unit 03060202, on right bank 600 feet downstream from bridge on US 80, 2.0 miles west of Eden, 2.0 miles upstream from Seaboard Coast Line Railroad bridge, and 3.0 miles upstream from Black Creek.

DRAINAGE AREA.—2,650 square miles, approximately.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 17.64 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to October 1, 2001, datum of gage was 19.64 feet above NGVD. Prior to October 1, 1939, a non-recording gage was located at site 600.00 feet upstream at same datum.

REMARKS.—Records good, except those for the period of estimated daily discharge, which are fair. Discharge may be affected by possible storage upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1840, 20 feet in October 1929, from data furnished by Central of Georgia Railway Co. Flood of January 1925, reached a stage of 19.5 feet, from information as explained above. Flood of April 1936, reached a stage of 15.2 feet, from information as explained above, discharge, 30,000 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 4,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/06	0500	6,170*	11.39*

No other peaks above base discharge

02202500 OGEECHEE RIVER NEAR EDEN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 17.64 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to October 1, 2001, datum of gage was 19.64 feet above NGVD. Prior to October 1, 1939, a non-recording gage was located at site 600.00 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.39 feet, March 6; minimum gage-height recorded, 1.84 feet, August 11, 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 12, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

STATION NUMBER 02202500 OGEECHEE RIVER NEAR EDEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321129 LONGITUDE 0812458 NAD27 DRAINAGE AREA 2650.00 CONTRIBUTING DRAINAGE AREA 2650* DATUM 17.64 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	607	1360	811	1040	2100	5240	1170	506	e238	810	e220	e290
2	573	1550	836	989	2270	5330	1120	512	e232	987	e250	e292
3	547	1640	846	953	2460	5470	1090	594	e227	1080	e245	294
4	525	1660	850	918	2540	5650	1070	711	e226	1050	e240	303
5	501	1640	861	897	2580	5980	1040	817	e224	1000	e235	315
6	e480	1530	882	877	2660	6120	1020	871	e221	922	233	347
7	e450	1430	908	866	2840	5810	994	877	e224	806	227	407
8	e450	1340	925	858	3020	5160	982	846	e224	699	206	500
9	447	1240	944	858	3090	4570	981	845	e219	628	189	613
10	454	1160	962	873	2960	4140	980	866	e216	587	179	730
11	473	1120	973	895	2760	3740	969	895	e213	581	171	934
12	491	1100	973	919	2660	3410	965	930	e212	584	168	1300
13	516	1070	979	937	2620	3150	968	950	e212	559	188	1850
14	535	1030	1000	952	2800	2910	960	869	e215	525	197	2330
15	540	989	1040	956	e3000	2690	937	708	e221	464	202	2490
16	539	937	1090	952	e3600	2480	918	571	e233	403	213	2450
17	532	876	1150	942	e4000	2300	898	484	e253	338	305	2380
18	569	817	1200	938	4570	2160	877	447	288	293	378	2340
19	550	775	1260	929	4940	2040	856	459	312	269	431	2400
20	550	750	1300	912	5270	1940	838	464	357	251	515	2480
21	547	737	1330	891	5600	1840	826	424	433	239	480	2480
22	540	739	1340	872	5820	1770	804	373	557	239	398	2360
23	522	746	1330	855	5800	1700	766	339	651	233	374	2180
24	493	762	1330	834	5550	1630	719	316	770	226	389	1940
25	462	770	1320	818	5080	1560	667	302	896	218	404	1640
26	439	765	1310	828	4930	1500	619	295	890	207	415	1320
27	421	761	1300	1030	4760	1440	585	290	801	198	400	1110
28	451	764	1260	1190	4860	1380	561	280	749	e192	360	1030
29	703	770	1230	1420	5120	1330	539	268	738	e190	331	1130
30	904	779	1170	1690	---	1270	511	256	732	e200	314	1240
31	1120	---	1100	1920	---	1220	---	e245	---	e210	e300	---
TOTAL	16931	31607	33810	30809	110260	96930	26230	17610	11984	15188	9157	41475
MEAN	546	1054	1091	994	3802	3127	874	568	399	490	295	1382
MAX	1120	1660	1340	1920	5820	6120	1170	950	896	1080	515	2490
MIN	421	737	811	818	2100	1220	511	245	212	190	168	290
CFSM	0.21	0.40	0.41	0.38	1.43	1.18	0.33	0.21	0.15	0.18	0.11	0.52
IN.	0.24	0.44	0.47	0.43	1.55	1.36	0.37	0.25	0.17	0.21	0.13	0.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	1162	1051	1898	3053	4293	5292	4139	1958	1360	1175	1304	1094
MAX	5985	6387	10010	10550	14690	13880	10820	5814	5652	4574	7579	6812
(WY)	1965	1948	1949	1993	1998	1998	1948	1964	2003	2003	1991	1964
MIN	152	177	321	428	662	874	819	294	129	131	91.2	138
(WY)	2002	2002	2002	2002	2002	2002	2002	2000	2000	2002	2002	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	1356440		441991			
ANNUAL MEAN	3716		1208		2299	
HIGHEST ANNUAL MEAN					5370	1948
LOWEST ANNUAL MEAN					359	2002
HIGHEST DAILY MEAN	21600	Mar 27	6120	Mar 6	30700	Mar 15 1998
LOWEST DAILY MEAN	421	Oct 27	168	Aug 12	71	Aug 23 2002
ANNUAL SEVEN-DAY MINIMUM	464	Oct 6	185	Aug 9	76	Aug 18 2002
MAXIMUM PEAK FLOW			6170	Mar 6	30900	Mar 15 1998
MAXIMUM PEAK STAGE			11.39	Mar 6	15.41	Mar 27 2003
INSTANTANEOUS LOW FLOW			165	Aug 11	96	Oct 6 1990
ANNUAL RUNOFF (CFSM)	1.40		0.456		0.868	
ANNUAL RUNOFF (INCHES)	19.04		6.20		11.79	
10 PERCENT EXCEEDS	7660		2670		5590	
50 PERCENT EXCEEDS	2520		860		1270	
90 PERCENT EXCEEDS	738		234		361	

e Estimated

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

STATION NUMBER 02202500 OGEECHEE RIVER NEAR EDEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321129 LONGITUDE 0812458 NAD27 DRAINAGE AREA 2650.00 CONTRIBUTING DRAINAGE AREA 2650* DATUM 17.64 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.46	6.05	4.30	5.09	7.73	10.90	5.48	3.05	2.09	4.30	---	---
2	3.33	6.55	4.40	4.94	8.07	10.95	5.36	3.07	2.09	4.93	---	---
3	3.22	6.77	4.43	4.82	8.35	11.03	5.26	3.42	2.09	5.22	---	2.24
4	3.13	6.82	4.45	4.70	8.47	11.13	5.19	3.90	2.09	5.14	---	2.27
5	3.03	6.76	4.49	4.62	8.52	11.30	5.10	4.33	2.09	4.99	---	2.31
6	---	6.51	4.57	4.56	8.63	11.37	5.03	4.53	2.09	4.71	2.05	2.43
7	---	6.24	4.66	4.51	8.87	11.21	4.96	4.55	2.10	4.28	2.03	2.65
8	---	5.99	4.73	4.48	9.10	10.86	4.92	4.44	2.10	3.86	1.96	3.03
9	2.81	5.70	4.79	4.48	9.18	10.45	4.92	4.43	2.09	3.56	1.91	3.50
10	2.84	5.45	4.85	4.54	9.03	10.10	4.91	4.51	2.09	3.39	1.88	3.98
11	2.92	5.35	4.89	4.62	8.77	9.79	4.88	4.62	2.10	3.36	1.86	4.75
12	2.99	5.28	4.89	4.71	8.62	9.52	4.86	4.74	2.11	3.38	1.85	5.87
13	3.09	5.18	4.91	4.77	8.58	9.24	4.87	4.81	2.11	3.27	1.91	7.22
14	3.17	5.06	4.99	4.82	8.81	8.96	4.85	4.52	2.11	3.13	1.94	8.15
15	3.19	4.94	5.10	4.83	---	8.67	4.77	3.89	2.12	2.88	1.95	8.40
16	3.18	4.77	5.25	4.82	---	8.38	4.70	3.32	2.14	2.63	1.98	8.34
17	3.15	4.55	5.43	4.78	---	8.11	4.63	2.96	2.15	2.39	2.28	8.23
18	3.31	4.33	5.58	4.77	10.45	7.86	4.56	2.81	2.22	2.24	2.54	8.19
19	3.23	4.17	5.74	4.74	10.72	7.63	4.48	2.86	2.30	2.16	2.75	8.27
20	3.23	4.06	5.88	4.68	10.92	7.41	4.41	2.88	2.46	2.11	3.09	8.38
21	3.22	4.01	5.97	4.61	11.10	7.22	4.36	2.71	2.75	2.07	2.95	8.38
22	3.19	4.02	6.00	4.54	11.22	7.06	4.28	2.52	3.26	2.07	2.61	8.22
23	3.11	4.05	5.98	4.47	11.21	6.89	4.13	2.39	3.66	2.05	2.52	7.90
24	3.00	4.12	5.95	4.39	11.07	6.73	3.93	2.31	4.14	2.02	2.58	7.43
25	2.87	4.15	5.94	4.33	10.81	6.58	3.73	2.27	4.62	2.00	2.63	6.75
26	2.78	4.13	5.91	4.37	10.72	6.42	3.52	2.24	4.60	1.96	2.68	5.93
27	2.70	4.11	5.86	5.06	10.61	6.27	3.38	2.22	4.26	1.94	2.62	5.32
28	2.82	4.12	5.76	5.56	10.67	6.11	3.27	2.20	4.06	---	2.47	5.08
29	3.87	4.15	5.65	6.21	10.83	5.95	3.18	2.16	4.01	---	2.37	5.36
30	4.65	4.18	5.48	6.87	---	5.78	3.07	2.12	3.99	---	2.31	5.70
31	5.35	---	5.28	7.38	---	5.62	---	2.09	---	---	---	---
MEAN	---	5.05	5.23	4.91	---	8.56	4.50	3.32	2.74	---	---	---
MAX	---	6.82	6.00	7.38	---	11.37	5.48	4.81	4.62	---	---	---
MIN	---	4.01	4.30	4.33	---	5.62	3.07	2.09	2.09	---	---	---

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

STATION NUMBER 02202500 OGEECHEE RIVER NEAR EDEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321129 LONGITUDE 0812458 NAD27 DRAINAGE AREA 2650.00 CONTRIBUTING DRAINAGE AREA 2650* DATUM 17.64 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.35	0.00	0.42	0.15	---
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.01	0.85	---
3	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01
4	---	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24
5	---	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
6	---	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	1.96
7	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.46
8	---	0.02	0.00	0.00	0.00	0.00	0.01	0.00	---	0.00	0.00	0.16
9	---	0.00	0.00	0.00	0.00	0.21	0.00	0.00	1.27	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.01	0.00	---	0.11	0.04	0.00	0.06
11	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.09	0.03
12	0.00	0.00	0.00	0.00	---	0.00	0.24	0.00	0.00	0.00	1.26	0.05
13	0.03	0.00	0.00	0.00	---	0.00	0.20	0.00	1.62	0.00	0.51	0.02
14	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.56	0.00	0.39	0.00
15	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.14	0.03	0.26	0.00
16	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.03	0.00	0.00	0.10
17	0.60	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.26	0.08	0.00
18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00
19	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.57	0.00
23	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.42	0.00	0.07	0.00
24	0.00	0.13	0.00	0.00	---	0.00	0.00	0.00	1.72	0.03	0.00	0.00
25	0.00	---	0.00	0.00	---	0.00	0.00	0.00	0.05	0.08	0.00	0.00
26	0.01	0.00	0.00	0.00	---	0.00	0.33	0.00	0.00	0.00	0.00	0.98
27	0.14	0.00	0.00	0.00	---	0.00	0.00	0.00	0.05	0.00	0.01	1.09
28	2.78	0.22	0.00	0.00	---	0.00	0.00	0.00	0.01	0.38	0.00	0.00
29	0.09	0.01	0.00	0.00	---	0.00	0.00	0.00	0.00	1.60	0.00	0.00
30	0.00	0.00	0.02	0.00	---	0.00	0.17	0.00	0.38	0.01	0.07	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.07	---	---
TOTAL	---	---	0.03	0.00	---	0.24	0.95	---	---	3.09	---	---

2004 Water Year

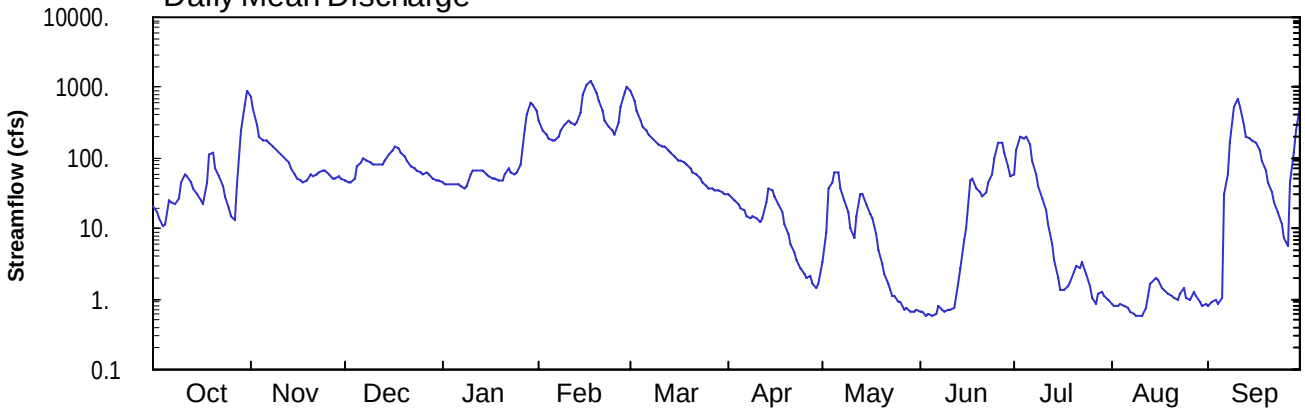
OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA

Latitude: 32°10'04" Longitude: 081°29'18" Hydrologic Unit Code: 03060202

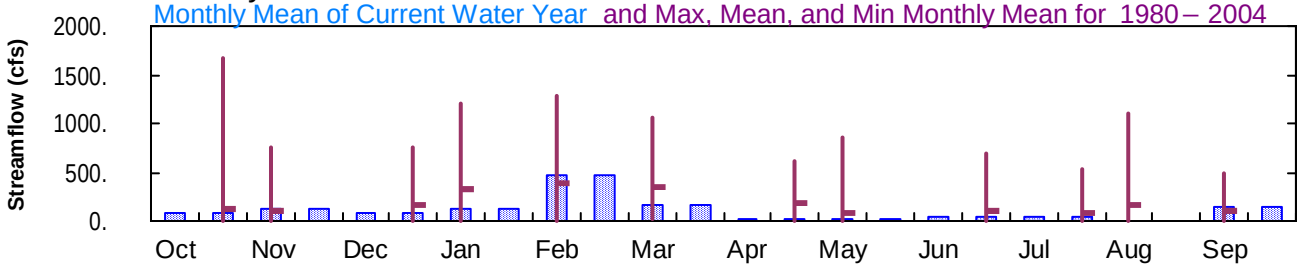
Bryan County Datum: 30.00 feet Drainage Area: 232. mi²

Daily Mean Discharge

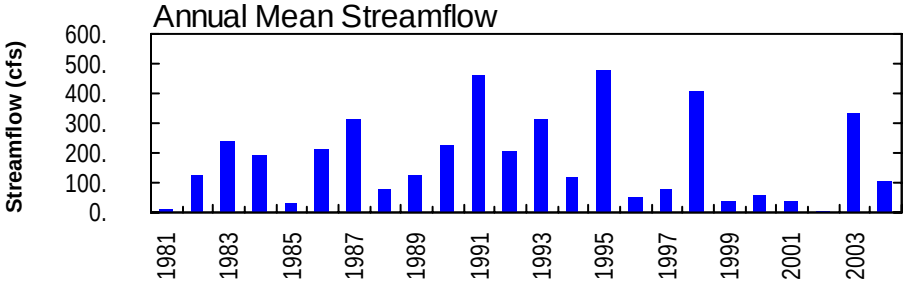


Monthly Statistics

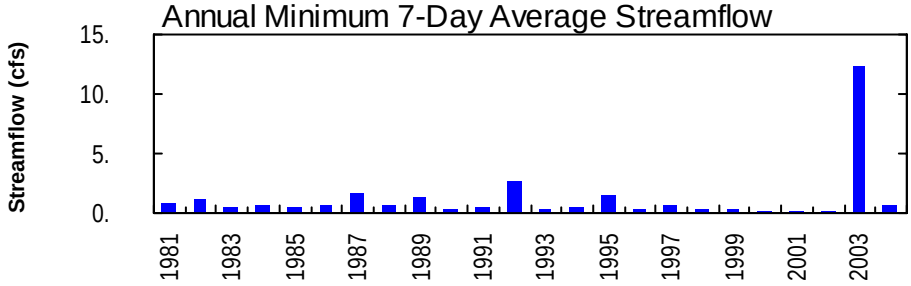
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1980 – 2004



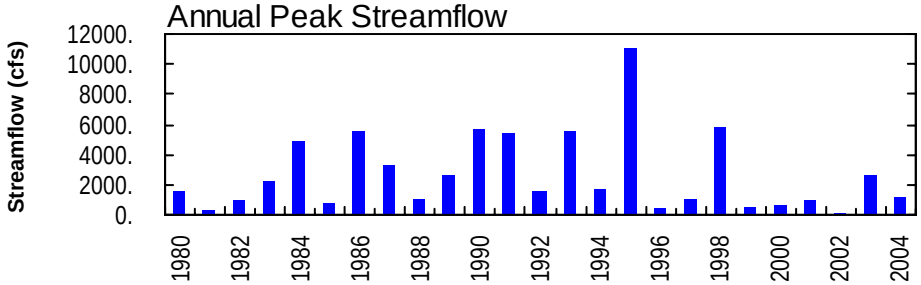
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02202600 Black Creek near Blichton, GA
August 28, 1991

OGEECHEE RIVER BASIN
2004 Water Year

02202600 BLACK CREEK NEAR BLITCHTON, GA

LOCATION.—Lat 32°10'04", long 81°29'18", referenced to North American Datum (NAD) of 1927, Bryan County, Hydrologic Unit 03060202, on upstream side of bridge on US 280 (GA 30), 4.2 miles upstream from Mill Creek, 5.8 miles southwest of Blitchton, and 8.7 miles upstream from mouth.

DRAINAGE AREA.—232 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Occasional low-flow measurements made during water years 1944, 1951, 1954, 1959, 1961-62, 1964-68, 1973, and February 1980 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 30.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those less than 2.0 cfs, which are fair, and periods of estimated discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 900 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
10/31	0930	911	8.65
02/17	0915	1,220*	9.23*
02/29	1630	1,040	8.89

02202600 BLACK CREEK NEAR BLITCHTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Occasional low-flow measurements made during water years 1944, 1951, 1954, 1959, 1961-62, 1964-68, 1973, and February 1980 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 30.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.23 feet, February 17; minimum gage-height recorded, 2.20 feet, May 29, June 5, 6, August 8-10, 12.

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

STATION NUMBER 02202600 BLACK CREEK NEAR BLITCHTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 029
LATITUDE 321004 LONGITUDE 0812918 NAD27 DRAINAGE AREA 232.00* CONTRIBUTING DRAINAGE AREA DATUM 30.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	731	47	45	334	914	30	3.4	0.68	57	0.86	0.79
2	17	494	46	43	247	670	28	9.2	0.66	125	0.83	0.89
3	14	296	44	42	214	458	25	37	0.59	203	0.80	0.94
4	11	208	52	42	194	333	22	46	0.62	185	0.83	0.86
5	12	176	78	41	182	274	20	63	0.58	197	0.82	1.0
6	25	172	87	42	172	240	18	64	0.64	158	0.74	31
7	24	162	96	40	205	217	15	38	0.79	93	0.67	60
8	22	151	94	37	248	192	14	25	0.70	59	0.62	170
9	28	140	85	40	305	167	15	17	0.65	40	0.58	e527
10	46	123	79	58	331	156	14	9.9	0.71	27	0.58	677
11	60	110	83	66	315	149	13	7.2	0.71	18	0.59	528
12	56	97	83	67	302	143	14	15	0.73	12	0.76	294
13	45	84	79	69	327	128	24	31	1.6	6.1	1.7	207
14	36	70	92	66	454	116	38	30	2.8	3.5	1.7	185
15	31	59	113	60	776	102	35	22	6.7	2.0	1.9	179
16	26	52	131	56	1060	94	30	16	10	1.3	1.8	168
17	22	47	142	53	1210	91	22	14	50	1.3	1.5	127
18	46	45	137	50	1110	86	17	8.3	52	1.5	1.4	94
19	110	48	122	49	871	81	12	5.1	36	1.7	1.2	67
20	121	58	106	48	658	71	8.2	3.2	33	2.5	1.1	46
21	73	56	91	60	480	64	5.9	2.3	29	2.9	1.1	33
22	54	57	78	71	349	58	4.6	1.7	33	2.8	0.98	23
23	39	62	69	61	279	50	3.5	1.1	46	3.4	1.2	17
24	28	68	65	57	243	44	2.8	1.1	60	2.2	1.4	11
25	20	65	62	64	218	40	2.3	0.94	101	1.5	1.0	7.1
26	15	58	60	80	313	38	1.9	0.91	164	1.1	0.96	5.5
27	13	52	62	262	534	38	2.1	0.71	162	0.88	1.3	46
28	39	51	57	421	825	36	1.7	0.77	121	1.1	1.1	119
29	243	54	52	593	1000	35	1.5	0.67	78	1.2	0.93	245
30	585	50	50	574	---	32	1.6	0.65	54	1.1	0.81	527
31	883	---	48	458	---	30	---	0.71	---	0.95	0.83	---
TOTAL	2764	3896	2490	3715	13756	5147	442.1	475.86	1048.16	1213.03	32.59	4398.08
MEAN	89.2	130	80.3	120	474	166	14.7	15.4	34.9	39.1	1.05	147
MAX	883	731	142	593	1210	914	38	64	164	203	1.9	677
MIN	11	45	44	37	172	30	1.5	0.65	0.58	0.88	0.58	0.79
CFSM	0.38	0.56	0.35	0.52	2.04	0.72	0.06	0.07	0.15	0.17	0.00	0.63
IN.	0.44	0.62	0.40	0.60	2.21	0.83	0.07	0.08	0.17	0.19	0.01	0.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	116	100	158	321	393	340	192	87.2	112	90.8	161	93.0
MAX	1682	754	762	1203	1286	1065	622	867	696	530	1105	486
(WY)	1995	1986	1995	1987	1998	1998	1993	1991	1991	2003	1991	1989
MIN	0.51	0.45	0.47	1.06	4.64	24.9	3.11	0.28	0.24	0.36	0.63	0.61
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2000	1990	1998	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	117766.2		39377.82			
ANNUAL MEAN	323		108		179	
HIGHEST ANNUAL MEAN					480	1995
LOWEST ANNUAL MEAN					7.69	2002
HIGHEST DAILY MEAN	2230	Aug 11	1210	Feb 17	10400	Oct 14 1994
LOWEST DAILY MEAN	7.7	Jun 3	0.58	Jun 5	0.09	Jul 6 2000
ANNUAL SEVEN-DAY MINIMUM	12	Jun 1	0.64	May 31	0.09	Jul 17 2000
MAXIMUM PEAK FLOW			1220	Feb 17	11100	Oct 14 1994
MAXIMUM PEAK STAGE			9.23	Feb 17	15.28	Oct 14 1994
INSTANTANEOUS LOW FLOW			0.52	May 29	0.00	Aug 19 1954
ANNUAL RUNOFF (CFSM)	1.39		0.464		0.769	
ANNUAL RUNOFF (INCHES)	18.88		6.31		10.46	
10 PERCENT EXCEEDS	978		295		490	
50 PERCENT EXCEEDS	130		46		36	
90 PERCENT EXCEEDS	34		0.92		0.91	

e Estimated

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

STATION NUMBER 02202600 BLACK CREEK NEAR BLITCHTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 029
LATITUDE 321004 LONGITUDE 0812918 NAD27 DRAINAGE AREA 232.00* CONTRIBUTING DRAINAGE AREA DATUM 30.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.05	8.25	3.70	3.66	7.03	8.65	3.32	2.47	2.23	3.90	2.26	2.25
2	2.95	7.62	3.68	3.61	6.46	8.10	3.27	2.67	2.23	4.98	2.25	2.26
3	2.87	6.81	3.64	3.60	6.13	7.52	3.17	3.47	2.21	6.01	2.25	2.27
4	2.78	6.06	3.80	3.59	5.91	7.04	3.09	3.68	2.22	5.80	2.25	2.26
5	2.80	5.69	4.27	3.58	5.76	6.68	3.04	4.02	2.21	5.94	2.25	2.28
6	3.17	5.64	4.43	3.60	5.64	6.41	2.98	4.04	2.22	5.46	2.24	3.26
7	3.15	5.51	4.56	3.55	6.03	6.17	2.91	3.49	2.25	4.52	2.23	3.94
8	3.11	5.36	4.54	3.48	6.47	5.88	2.86	3.17	2.23	3.94	2.22	5.53
9	3.24	5.21	4.40	3.56	6.89	5.57	2.89	2.97	2.22	3.55	2.21	---
10	3.64	4.98	4.29	3.92	7.04	5.43	2.88	2.75	2.23	3.24	2.21	8.13
11	3.92	4.78	4.37	4.06	6.95	5.33	2.83	2.66	2.23	3.00	2.21	7.72
12	3.85	4.58	4.36	4.09	6.87	5.25	2.86	2.89	2.24	2.81	2.23	6.78
13	3.63	4.37	4.30	4.12	7.02	5.04	3.15	3.35	2.31	2.62	2.35	6.05
14	3.44	4.14	4.51	4.07	7.48	4.88	3.51	3.32	2.43	2.48	2.35	5.80
15	3.31	3.93	4.83	3.97	8.35	4.67	3.44	3.11	2.64	2.38	2.38	5.72
16	3.19	3.80	5.09	3.89	8.94	4.54	3.30	2.93	2.77	2.32	2.37	5.59
17	3.11	3.71	5.24	3.82	9.21	4.48	3.11	2.87	3.73	2.32	2.33	5.03
18	3.60	3.66	5.18	3.77	9.03	4.42	2.95	2.70	3.79	2.34	2.32	4.54
19	4.78	3.71	4.96	3.76	8.56	4.32	2.81	2.57	3.45	2.36	2.30	4.09
20	4.95	3.92	4.73	3.72	8.08	4.15	2.70	2.46	3.38	2.41	2.29	3.68
21	4.15	3.88	4.49	3.96	7.59	4.03	2.61	2.41	3.29	2.44	2.28	3.38
22	3.81	3.91	4.28	4.17	7.11	3.92	2.54	2.35	3.39	2.44	2.27	3.13
23	3.49	4.00	4.13	3.98	6.71	3.77	2.48	2.29	3.69	2.47	2.30	2.95
24	3.25	4.11	4.05	3.91	6.44	3.64	2.44	2.29	3.97	2.40	2.32	2.80
25	3.03	4.06	4.01	4.03	6.17	3.55	2.40	2.27	4.64	2.33	2.28	2.66
26	2.90	3.93	3.96	4.29	6.85	3.51	2.38	2.26	5.53	2.28	2.27	2.59
27	2.83	3.81	3.99	6.53	7.74	3.51	2.39	2.23	5.50	2.26	2.31	3.61
28	3.41	3.78	3.91	7.39	8.46	3.45	2.35	2.24	4.94	2.29	2.29	4.91
29	6.31	3.84	3.80	7.91	8.83	3.42	2.33	2.23	4.28	2.30	2.27	6.33
30	7.86	3.76	3.76	7.86	---	3.36	2.35	2.22	3.85	2.29	2.25	7.73
31	8.59	---	3.73	7.52	---	3.32	---	2.23	---	2.27	2.25	---
MEAN	3.81	4.69	4.29	4.42	7.23	4.97	2.84	2.79	3.14	3.17	2.28	---
MAX	8.59	8.25	5.24	7.91	9.21	8.65	3.51	4.04	5.53	6.01	2.38	---
MIN	2.78	3.66	3.64	3.48	5.64	3.32	2.33	2.22	2.21	2.26	2.21	---

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

STATION NUMBER 02202600 BLACK CREEK NEAR BLITCHTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 029
LATITUDE 321004 LONGITUDE 0812918 NAD27 DRAINAGE AREA 232.00* CONTRIBUTING DRAINAGE AREA DATUM 30.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	0.00	0.01	0.00	0.00	0.95	0.19	0.35	0.00	0.00
2	0.00	0.01	0.00	0.00	0.34	0.00	0.00	0.98	0.00	0.02	0.23	0.63
3	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.06	0.00
4	0.00	0.04	0.78	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.40	0.19
5	0.00	0.16	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.02	0.77	0.01	0.00	0.00	0.38	0.00	0.00	3.91
7	0.32	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.88
8	0.13	0.01	0.01	0.16	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.33
9	0.00	0.00	0.00	0.45	0.00	0.24	0.00	0.00	0.11	0.00	0.00	0.00
10	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.05	0.02	0.00	0.04
11	0.01	0.00	0.00	0.00	0.24	0.00	0.00	0.81	0.00	0.00	0.19	0.04
12	0.00	0.00	0.00	0.00	0.82	0.00	---	1.03	0.00	0.01	1.25	0.00
13	0.03	0.01	0.03	0.00	0.00	0.00	0.42	0.00	1.85	0.00	0.41	0.02
14	0.12	0.00	0.53	0.01	1.12	0.00	0.00	0.00	1.02	0.00	0.48	0.01
15	0.00	0.00	0.01	0.00	0.12	0.00	0.00	0.00	0.49	0.00	0.28	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.02
17	0.28	0.00	0.02	0.00	0.17	0.00	0.00	0.00	0.00	0.10	0.09	0.04
18	0.01	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.43	0.01	0.00
19	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
22	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.37	0.00
23	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.34	0.00	0.08	0.00
24	0.00	0.10	0.01	0.00	0.01	0.00	0.00	0.00	0.35	0.00	0.00	0.00
25	0.00	0.00	0.01	0.21	0.44	0.00	0.00	0.00	0.45	0.00	0.00	0.00
26	0.02	0.00	0.00	2.30	1.41	0.00	0.41	0.00	0.00	0.00	0.00	0.60
27	0.18	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.03	0.00	0.01	1.95
28	2.86	0.25	0.00	0.00	0.00	0.00	0.00	0.00	---	1.25	0.00	0.00
29	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
30	0.00	0.00	0.04	0.00	---	0.06	0.57	0.00	0.46	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.09	---	0.04	0.15	---
TOTAL	4.02	1.13	---	3.25	5.52	0.31	---	4.17	---	2.40	4.01	8.66

2004 Water Year

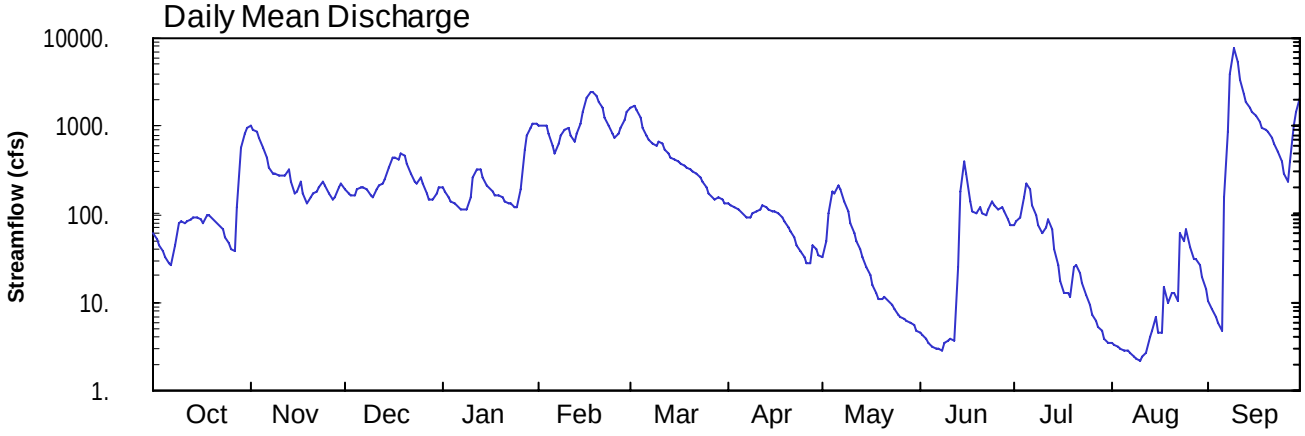
OGEECHEE RIVER BASIN

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA

Latitude: 32°11'05" Longitude: 081°53'20" Hydrologic Unit Code: 03060203

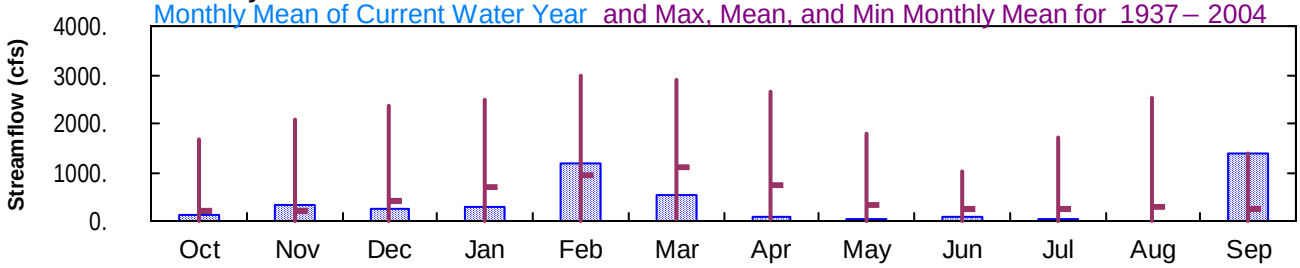
Evans County Datum: 80.50 feet Drainage Area: 555. mi²

Daily Mean Discharge

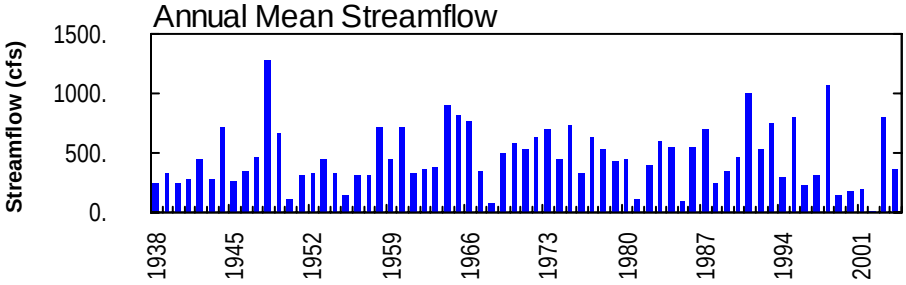


Monthly Statistics

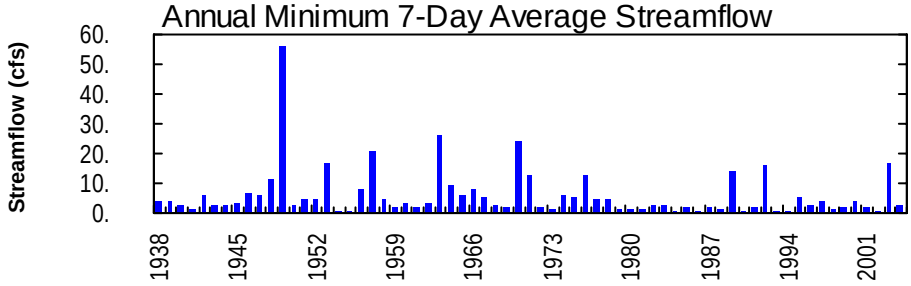
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



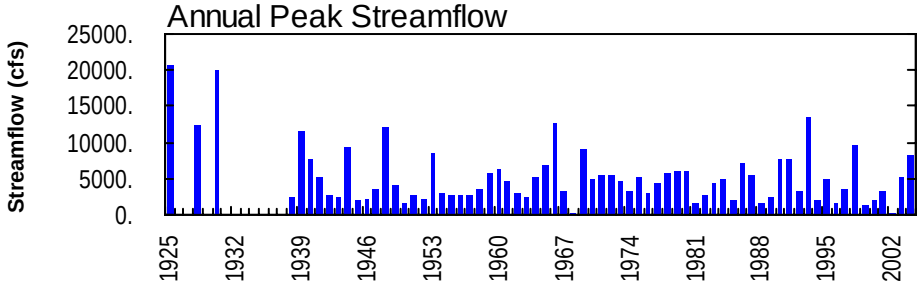
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



OGEECHEE RIVER BASIN
2004 Water Year

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA

LOCATION.—Lat 32°11'05", long 81°53'20", referenced to North American Datum (NAD) of 1927, Evans County, Hydrologic Unit 03060203, on right bank 400 feet upstream from bridge on GA 73, 1.9 miles northeast of Claxton, and 10.0 miles upstream from Lotts Creek.

DRAINAGE AREA.—555 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1937 to current year.

REVISED RECORDS.—WSP 1112: 1939-41, 1944.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 80.5 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to October 20, 1949, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/17	1015	2,500	10.89
09/09	0815	8,270*	14.71*

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1937 to current year.

REVISED RECORDS.—WSP 1112: 1939-41, 1944.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 80.5 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to October 20, 1949, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.71 feet, September 9; minimum gage-height recorded, 1.03 feet, August 8-11.

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

STATION NUMBER 02203000 CANOOCHEE RIVER NEAR CLAXTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 109
LATITUDE 321105 LONGITUDE 0815320 NAD27 DRAINAGE AREA 555.00 CONTRIBUTING DRAINAGE AREA 555.00* DATUM 80.50 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	1010	196	198	1020	1650	130	33	4.5	77	3.4	11
2	52	929	169	177	1030	1680	127	50	4.3	84	3.3	8.6
3	44	872	166	153	992	1560	123	100	3.8	90	3.2	6.9
4	37	730	162	142	812	1280	115	183	3.5	152	2.9	5.9
5	32	571	192	131	596	986	107	170	3.2	229	2.8	4.7
6	28	438	206	120	501	789	99	213	3.0	196	2.8	153
7	27	340	206	115	631	691	93	193	2.9	129	2.7	883
8	44	297	189	112	776	633	92	143	2.9	100	2.4	3840
9	79	292	164	116	929	604	104	106	3.5	77	2.3	7800
10	85	282	157	153	949	659	106	78	3.7	61	2.2	5260
11	81	270	188	256	766	631	113	61	3.8	71	2.4	3270
12	83	278	213	321	682	546	129	51	3.6	88	2.7	2300
13	87	321	225	327	821	483	123	39	25	66	4.0	1880
14	91	238	247	261	1060	439	114	32	185	41	4.7	1630
15	95	174	347	218	1490	411	110	26	401	27	7.0	1460
16	87	183	434	198	2110	391	106	21	292	18	4.5	1300
17	80	236	432	180	2480	378	103	16	140	13	4.5	1110
18	100	171	418	167	2450	362	95	13	109	13	15	982
19	95	133	489	162	2240	339	83	11	103	11	10	919
20	90	156	471	154	1880	318	73	11	117	26	13	849
21	82	173	371	143	1590	299	65	12	105	27	13	754
22	76	184	287	137	1260	285	56	11	99	22	10	626
23	66	199	240	131	1000	264	46	9.6	114	16	61	503
24	55	239	228	121	844	241	39	8.6	138	12	50	395
25	46	213	256	119	752	207	33	7.3	128	9.2	66	296
26	41	170	225	187	828	174	28	6.9	117	7.4	43	233
27	38	144	174	538	974	158	29	6.5	119	6.3	31	406
28	117	155	152	773	1160	150	44	6.1	107	5.3	31	1010
29	565	197	145	975	1470	156	40	6.0	89	4.9	27	1470
30	802	219	169	1090	---	145	34	5.6	75	3.8	20	2130
31	951	---	207	1070	---	133	---	4.9	---	3.5	14	---
TOTAL	4216	9814	7725	8945	34093	17042	2559	1634.5	2505.7	1686.4	461.8	41496.1
MEAN	136	327	249	289	1176	550	85.3	52.7	83.5	54.4	14.9	1383
MAX	951	1010	489	1090	2480	1680	130	213	401	229	66	7800
MIN	27	133	145	112	501	133	28	4.9	2.9	3.5	2.2	4.7
CFSM	0.25	0.59	0.45	0.52	2.12	0.99	0.15	0.10	0.15	0.10	0.03	2.49
IN.	0.28	0.66	0.52	0.60	2.29	1.14	0.17	0.11	0.17	0.11	0.03	2.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	212	202	412	684	959	1110	725	328	232	242	270	232
MAX	1674	2074	2359	2498	2975	2900	2667	1804	1018	1730	2536	1383
(WY)	1965	1948	1948	1987	1998	1948	1948	1966	2003	1941	1991	2004
MIN	1.22	1.51	1.19	2.05	9.42	52.6	42.1	2.26	1.61	1.56	1.35	1.20
(WY)	1955	2002	2002	2002	2002	1955	2002	2002	2002	1986	2002	1993

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	286511		132178.5			
ANNUAL MEAN	785		361		464	
HIGHEST ANNUAL MEAN					1283	1948
LOWEST ANNUAL MEAN					21.5	2002
HIGHEST DAILY MEAN	5010	Mar 24	7800	Sep 9	12400	Jan 14 1993
LOWEST DAILY MEAN	27	Oct 7	2.2	Aug 10	0.18	Jun 17 2002
ANNUAL SEVEN-DAY MINIMUM	38	Oct 2	2.5	Aug 6	0.36	Jun 15 2002
MAXIMUM PEAK FLOW			8270	Sep 9	13500	Jan 14 1993
MAXIMUM PEAK STAGE			14.71	Sep 9	16.60	Jan 14 1993
INSTANTANEOUS LOW FLOW			2.2	Aug 8	0.15	Jun 17 2002
ANNUAL RUNOFF (CFSM)	1.41		0.651		0.836	
ANNUAL RUNOFF (INCHES)	19.20		8.86		11.36	
10 PERCENT EXCEEDS	1890		983		1310	
50 PERCENT EXCEEDS	497		135		152	
90 PERCENT EXCEEDS	95		6.0		6.0	

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

STATION NUMBER 02203000 CANOOCHEE RIVER NEAR CLAXTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 109
LATITUDE 321105 LONGITUDE 0815320 NAD27 DRAINAGE AREA 555.00 CONTRIBUTING DRAINAGE AREA 555.00* DATUM 80.50 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.71	7.37	2.52	2.53	7.44	9.45	2.09	1.50	1.12	1.78	1.08	1.25
2	1.65	7.00	2.36	2.40	7.50	9.54	2.07	1.62	1.11	1.83	1.08	1.21
3	1.60	6.71	2.34	2.26	7.30	9.24	2.05	1.92	1.10	1.87	1.08	1.17
4	1.56	5.96	2.31	2.19	6.40	8.47	2.00	2.41	1.09	2.23	1.06	1.15
5	1.51	4.99	2.50	2.13	5.14	7.27	1.96	2.33	1.07	2.71	1.06	1.12
6	1.47	4.13	2.59	2.07	4.54	6.29	1.91	2.61	1.07	2.50	1.06	2.22
7	1.47	3.49	2.59	2.05	5.37	5.74	1.88	2.48	1.06	2.08	1.05	6.55
8	1.60	3.21	2.48	2.03	6.21	5.38	1.88	2.17	1.06	1.92	1.04	11.76
9	1.83	3.18	2.32	2.05	7.00	5.20	1.94	1.95	1.09	1.79	1.03	14.49
10	1.87	3.11	2.28	2.26	7.09	5.54	1.95	1.79	1.09	1.68	1.03	13.15
11	1.84	3.03	2.47	2.93	6.16	5.37	1.99	1.69	1.10	1.75	1.04	11.70
12	1.86	3.08	2.64	3.37	5.68	4.82	2.08	1.62	1.09	1.85	1.05	10.63
13	1.88	3.37	2.72	3.41	6.45	4.42	2.05	1.55	1.33	1.72	1.11	9.95
14	1.91	2.81	2.87	2.97	7.58	4.14	2.00	1.49	2.45	1.56	1.12	9.41
15	1.93	2.39	3.54	2.67	9.06	3.96	1.98	1.43	3.89	1.45	1.17	8.99
16	1.88	2.44	4.11	2.54	10.34	3.83	1.95	1.39	3.15	1.35	1.12	8.54
17	1.84	2.79	4.10	2.42	10.86	3.74	1.94	1.33	2.15	1.29	1.12	7.84
18	1.96	2.37	4.01	2.34	10.82	3.63	1.89	1.29	1.97	1.28	1.32	7.26
19	1.93	2.15	4.46	2.31	10.55	3.48	1.83	1.26	1.94	1.26	1.24	6.94
20	1.90	2.28	4.35	2.26	9.96	3.34	1.76	1.25	2.02	1.43	1.28	6.60
21	1.85	2.38	3.70	2.20	9.31	3.21	1.71	1.27	1.95	1.45	1.29	6.10
22	1.82	2.44	3.14	2.17	8.40	3.11	1.65	1.25	1.92	1.39	1.24	5.34
23	1.75	2.54	2.82	2.13	7.34	2.97	1.60	1.23	2.00	1.34	1.68	4.55
24	1.68	2.81	2.74	2.08	6.57	2.80	1.55	1.21	2.13	1.27	1.62	3.85
25	1.62	2.64	2.93	2.07	6.09	2.57	1.50	1.18	2.08	1.22	1.72	3.21
26	1.58	2.36	2.72	2.49	6.49	2.36	1.45	1.17	2.02	1.19	1.58	2.78
27	1.56	2.21	2.39	4.77	7.22	2.25	1.46	1.16	2.03	1.16	1.48	3.91
28	2.06	2.27	2.25	6.20	8.04	2.20	1.58	1.15	1.96	1.13	1.49	7.38
29	4.94	2.53	2.21	7.22	9.01	2.24	1.55	1.15	1.86	1.13	1.44	9.00
30	6.35	2.68	2.36	7.76	---	2.17	1.51	1.14	1.78	1.10	1.38	10.38
31	7.10	---	2.59	7.67	---	2.11	---	1.13	---	1.09	1.31	---
MEAN	2.18	3.36	2.88	3.10	7.58	4.54	1.83	1.55	1.72	1.57	1.24	6.61
MAX	7.10	7.37	4.46	7.76	10.86	9.54	2.09	2.61	3.89	2.71	1.72	14.49
MIN	1.47	2.15	2.21	2.03	4.54	2.11	1.45	1.13	1.06	1.09	1.03	1.12

OGEECHEE RIVER BASIN
2004 Water Year

022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN, GA

LOCATION.—Lat 31°27'12", long 81°21'47", referenced to North American Datum (NAD) of 1927, McIntosh County, Hydrologic unit, at the Georgia Department of Natural Resources ferry landing in Meridian, Georgia, near the Sapelo Island Visitors Center near the end of the fishing pier.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—Sapelo Island National Estuarine Research Reserve; Georgia Wildlife Resources Division; University of Georgia Marine Institute.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 2000 to current year.

GAGE.— Satellite telemetry with a continuous water-quality sonde and vented pressure sensor. Datum of gage is arbitrarily set.

REMARKS.—Records poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 17.35 feet, December 4, 2002; minimum gage-height recorded, 2.57 feet, March 7, 2004.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.84 feet, December 22; minimum gage-height recorded, 2.57 feet, March 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.55	6.63	10.46	13.59	6.70	10.11	11.70	5.44	8.66	12.85	6.43	9.78
2	14.33	6.95	10.57	13.31	6.91	10.20	12.31	6.53	9.61	13.02	6.40	9.75
3	14.09	7.60	10.79	13.49	6.42	10.44	13.01	7.11	10.25	13.06	5.67	9.54
4	13.43	6.04	10.12	13.06	5.39	9.78	13.45	5.88	10.11	12.98	5.29	9.31
5	12.90	5.53	9.48	12.82	5.20	9.43	13.11	5.53	9.51	12.87	5.22	8.85
6	13.00	5.78	9.59	13.29	5.13	9.07	12.54	5.23	9.28	12.64	4.94	8.89
7	13.23	5.81	9.69	12.50	4.85	8.89	13.46	5.76	9.95	13.67	5.79	9.98
8	13.20	5.53	9.62	13.04	5.05	9.70	13.57	6.22	9.97	13.85	6.10	9.99
9	13.13	5.41	9.62	13.74	7.02	10.66	13.45	6.37	10.07	13.76	5.87	9.78
10	13.21	5.57	9.63	14.03	7.33	10.61	13.13	6.04	9.29	14.09	6.30	10.23
11	13.12	5.53	9.61	13.69	6.35	9.95	12.43	4.38	8.41	14.43	6.59	10.47
12	13.49	6.18	9.92	12.69	5.65	9.09	---	---	---	13.34	5.40	9.57
13	13.21	6.17	9.75	11.44	4.98	8.18	---	---	---	12.82	5.55	8.99
14	12.80	6.12	9.36	12.66	6.58	9.34	---	---	---	13.09	5.41	9.22
15	12.58	5.49	9.08	12.30	6.74	9.19	---	---	---	12.07	5.07	8.50
16	12.72	7.28	9.65	12.17	6.38	8.99	---	---	---	12.64	5.95	9.59
17	12.30	7.09	9.41	12.01	6.30	8.82	---	---	---	13.20	5.31	9.64
18	12.26	7.33	9.44	11.97	5.64	8.82	13.21	5.91	9.76	13.43	3.68	8.81
19	12.55	7.08	9.58	11.58	3.49	8.07	13.38	5.32	9.51	---	---	---
20	12.55	6.35	9.43	---	---	---	13.93	5.49	10.15	14.15	4.12	9.69
21	12.27	4.70	9.00	13.47	4.71	9.57	15.60	5.99	11.16	14.36	4.45	9.64
22	12.66	4.54	8.55	13.87	4.55	9.56	15.84	5.73	10.97	13.95	4.22	9.16
23	13.60	4.78	9.72	14.31	4.13	9.46	15.78	5.14	10.60	13.16	3.67	8.70
24	13.89	4.70	9.79	14.22	3.59	9.10	15.13	4.43	9.88	12.94	4.12	8.70
25	14.59	4.61	9.99	14.25	3.46	9.24	14.77	4.85	9.90	13.51	4.79	9.40
26	14.22	3.90	9.32	14.54	4.67	9.64	14.84	5.66	10.19	13.31	6.00	9.78
27	13.81	3.75	8.90	14.16	4.92	9.45	14.51	6.17	10.26	13.22	6.08	9.62
28	13.84	4.19	9.05	12.94	3.91	8.35	14.22	7.01	10.34	12.04	5.26	8.40
29	13.47	3.89	8.97	12.30	4.65	8.25	13.56	6.66	10.0	11.87	5.89	8.69
30	13.79	5.81	9.53	12.33	5.80	8.95	12.82	5.92	9.35	11.70	6.03	8.55
31	13.71	6.79	10.00	---	---	---	13.09	6.73	9.87	11.57	6.45	9.20
MONTH	14.59	3.75	9.60	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.07	7.98	10.38	11.84	5.83	8.79	12.22	5.22	9.03	12.77	5.19	9.29
2	13.48	6.44	10.38	11.50	4.69	8.22	12.26	4.78	8.85	13.23	4.81	9.34
3	12.63	5.29	9.09	11.63	4.48	8.05	13.03	4.84	9.36	13.67	3.64	8.99
4	12.74	5.03	8.95	11.98	4.48	8.17	13.32	4.42	9.06	14.49	4.02	9.71
5	13.22	5.31	9.46	12.37	3.88	8.12	13.82	4.23	9.57	14.66	4.23	9.47
6	13.41	5.37	9.42	12.20	2.82	7.56	14.26	4.27	9.35	14.57	4.11	9.17
7	12.14	4.22	8.16	12.30	2.57	7.49	13.92	4.13	9.10	14.25	4.39	9.12
8	12.88	3.54	8.59	12.54	2.80	7.67	13.71	4.05	8.91	13.97	4.50	9.20
9	13.09	4.75	8.98	13.00	3.58	8.46	---	---	---	13.98	5.50	9.45
10	12.68	4.43	8.72	13.37	4.71	8.93	13.79	5.72	9.41	---	---	---
11	12.50	4.66	8.55	13.37	4.41	9.03	13.49	5.82	9.31	13.48	5.95	9.54
12	12.69	5.92	9.17	12.99	4.35	8.46	13.43	5.64	9.26	13.05	5.84	9.50
13	13.05	5.87	9.22	12.68	5.56	9.02	12.83	3.26	8.36	12.83	5.42	9.42
14	13.00	6.13	9.44	13.28	5.52	9.14	10.69	3.26	7.30	12.95	5.16	9.37
15	13.18	4.88	9.34	12.74	4.59	8.66	12.68	4.72	8.92	13.16	5.04	9.33
16	13.44	5.83	9.72	12.37	3.99	8.37	12.95	4.79	9.13	13.19	5.11	9.25
17	13.99	5.01	9.84	12.21	4.17	8.46	12.99	4.69	9.06	13.26	5.14	9.21
18	---	---	---	13.20	4.16	9.08	12.96	4.40	8.78	13.17	4.99	9.12
19	13.80	4.28	9.21	13.13	3.63	8.87	12.83	4.10	8.59	13.06	5.24	9.06
20	13.80	3.84	9.06	13.72	4.50	9.49	12.73	4.12	8.30	---	---	---
21	13.14	3.68	8.65	12.61	3.23	8.37	12.80	4.48	8.58	12.20	4.50	8.24
22	13.17	4.16	8.93	13.43	4.25	9.29	12.46	4.88	8.63	11.86	4.62	8.13
23	13.23	4.99	9.26	13.45	5.57	9.72	12.05	5.11	8.50	11.69	4.98	8.10
24	13.17	5.57	9.57	---	---	---	---	---	---	11.52	5.20	8.04
25	13.80	7.24	10.75	12.74	5.58	9.12	11.94	5.95	8.77	11.44	5.02	7.83
26	14.57	7.44	10.81	12.59	5.73	8.83	11.97	6.43	8.82	11.17	5.11	7.78
27	12.88	7.04	9.59	12.03	6.28	8.85	11.53	6.25	8.88	10.97	4.84	7.77
28	12.57	7.61	10.11	11.85	6.69	8.94	11.83	6.67	9.39	11.03	4.72	7.84
29	12.59	6.89	9.50	12.67	7.91	10.02	12.59	6.52	9.44	12.04	4.71	8.31
30	---	---	---	12.65	7.55	9.99	12.36	5.77	9.34	12.78	4.79	8.92
31	---	---	---	12.59	6.03	9.68	---	---	---	12.98	3.72	8.55
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.48	3.21	8.52	14.44	4.09	9.37	14.52	4.15	9.49	13.30	4.17	9.11
2	14.20	3.28	8.82	14.55	4.12	9.24	14.55	4.55	9.66	13.37	5.00	9.48
3	14.05	3.21	8.71	14.57	4.05	9.25	14.00	4.81	9.75	13.73	6.64	10.15
4	14.00	3.25	8.49	14.33	4.13	9.20	13.54	4.88	9.56	13.63	7.05	10.35
5	13.94	3.48	8.45	13.94	4.42	9.22	---	---	---	14.14	8.10	11.23
6	13.69	3.92	8.70	13.87	4.41	9.32	13.29	5.59	9.82	14.31	8.91	11.70
7	13.69	4.52	8.83	13.71	5.25	9.52	13.70	6.94	10.48	12.84	8.07	10.38
8	13.35	5.08	9.03	13.32	5.07	9.49	13.00	6.94	9.96	12.47	6.61	9.41
9	12.97	5.27	9.16	12.91	5.62	9.36	12.83	6.79	9.76	12.41	6.55	9.30
10	12.63	5.36	9.12	13.03	5.69	9.47	12.73	6.73	9.63	12.94	6.12	9.31
11	12.28	4.88	8.73	13.19	5.91	9.65	12.58	6.36	9.40	13.39	6.47	9.93
12	12.44	4.70	8.72	12.98	6.10	9.50	12.77	5.74	9.17	13.99	6.75	10.37
13	13.37	6.12	9.69	12.78	5.59	9.10	12.48	5.32	8.73	14.19	6.74	10.46
14	13.08	6.03	9.47	12.53	5.26	8.80	12.76	5.70	9.19	14.32	6.63	10.64
15	12.96	5.60	9.27	12.46	5.05	8.64	12.85	5.09	8.85	14.21	5.93	10.44
16	12.66	5.17	8.90	13.45	5.69	9.15	13.23	5.08	9.09	14.01	5.97	10.16
17	12.60	5.32	8.81	12.81	5.61	9.23	13.08	5.37	9.21	13.30	5.03	9.43
18	12.38	4.93	8.57	12.87	5.01	8.89	13.18	5.48	9.23	13.54	4.70	9.30
19	12.42	4.93	8.44	13.03	5.33	9.05	12.86	4.86	9.07	13.89	5.78	10.10
20	12.82	5.27	9.02	12.94	5.60	9.17	12.43	4.93	8.91	14.68	7.80	11.20
21	12.84	6.47	9.43	12.89	5.40	9.20	12.34	5.01	8.56	14.86	8.36	11.38
22	12.60	5.63	8.92	12.73	5.58	9.27	12.48	4.85	8.61	14.35	7.23	10.86
23	12.02	4.81	8.33	12.69	5.69	9.20	13.00	5.45	9.16	13.75	6.71	10.21
24	11.83	5.26	8.36	12.60	5.56	9.15	13.47	5.89	9.65	14.30	6.65	10.59
25	---	---	---	12.74	5.56	9.14	13.79	6.18	9.84	14.82	7.07	11.18
26	---	---	---	13.01	5.37	9.19	13.76	5.14	9.64	15.50	7.06	11.61
27	---	---	---	13.48	5.33	9.29	14.03	4.85	9.66	14.92	6.43	11.23
28	---	---	---	13.82	4.85	9.27	14.71	5.15	10.07	13.47	4.34	9.20
29	---	---	---	13.97	4.52	9.29	13.74	4.23	9.44	13.79	4.38	9.43
30	14.23	4.26	9.28	14.52	4.31	9.54	13.58	3.82	8.91	13.91	4.90	9.80
31	---	---	---	14.85	4.53	9.75	---	---	---	---	---	---
MONTH	---	---	---	14.85	4.05	9.26	---	---	---	15.50	4.17	10.26

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.01	0.01	0.38	0.00	0.00	0.58	0.04	0.09	0.00	0.00
2	0.00	0.00	0.00	0.00	0.17	0.00	0.00	2.06	0.00	0.29	0.53	0.00
3	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.13	0.00
4	0.00	0.01	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.39
5	0.00	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.47
6	0.00	---	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	3.93
7	0.28	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	1.13	0.00	0.36
8	0.00	0.00	0.00	0.01	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00
9	---	0.00	0.00	0.19	0.00	0.10	0.00	0.00	1.07	0.00	0.00	0.00
10	---	0.00	0.25	0.00	0.02	0.00	0.00	---	0.37	0.00	0.00	1.62
11	0.24	0.00	0.00	0.00	0.11	0.00	0.19	0.13	0.01	0.11	0.74	0.06
12	0.05	0.00	---	0.00	0.04	0.00	0.26	0.00	0.00	0.00	0.10	0.01
13	0.03	0.00	---	0.00	0.22	0.00	0.32	0.00	2.82	0.00	0.42	0.67
14	0.00	0.00	---	0.00	0.68	0.00	0.00	0.00	0.38	0.00	0.13	0.99
15	0.00	0.00	---	0.00	0.02	0.00	0.00	0.03	0.03	0.38	0.23	0.01
16	0.00	0.00	---	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	---	0.00	0.02	0.00	0.00	0.00	0.00	0.00	1.38	0.00
18	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.05	0.00	0.00
19	0.00	0.45	0.00	---	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
21	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.35	0.00	0.92	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
23	0.00	0.01	0.00	0.00	0.14	0.00	0.00	0.01	0.00	0.00	0.00	0.00
24	0.00	0.06	0.01	0.00	0.22	0.00	0.00	0.00	0.76	0.00	0.35	0.00
25	0.26	0.00	0.00	0.02	0.43	0.00	0.00	0.00	---	0.68	0.04	0.07
26	0.01	0.00	0.00	0.71	0.88	0.00	1.91	0.00	---	0.00	0.00	0.73
27	0.13	0.01	0.00	0.01	0.00	0.00	0.16	0.00	---	0.00	0.00	0.23
28	2.14	0.16	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.08	0.00
29	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.15	0.01	0.00
30	0.01	0.00	0.00	0.00	---	0.13	2.53	0.00	1.13	0.07	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.45	0.56	---
TOTAL	---	---	---	---	4.24	1.26	5.89	---	---	3.40	6.11	9.54

OGEECHEE RIVER BASIN
2004 Water Year

022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN, GA

LOCATION.—Lat 31°27'12", Long 81°21'47", referenced to North American Datum (NAD) of 1927, McIntosh County, Hydrologic unit 03060204, at the Georgia Department of Natural Resources ferry landing in Meridian, near the Sapelo Island Visitors Center near the end of the fishing pier.

DRAINAGE AREA.— Indeterminate.

COOPERATION.—Sapelo Island National Estuarine Research Reserve; Georgia Wildlife Resources Division; University of Georgia Marine Institute.

PERIOD OF RECORD.—February 2000 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: February 5, 2001 to current year.
PH: October 5, 2000 to current year.
WATER TEMPERATURE: October 5, 2000 to current year.
DISSOLVED OXYGEN: October 5, 2000 to current year.
TURBIDITY: October 6, 2000 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records fair, except dissolved oxygen which is poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 51,500 microsiemens, November 15, 2001; minimum recorded, 13,800 microsiemens, March 8, 9, 2003.
pH: Maximum recorded, 8.2 units, January 26-30, February 13-16, 2003; minimum recorded, 6.9 units, on several days.
WATER TEMPERATURE: Maximum recorded, 33.8°C, June 16, 2003; minimum recorded, 5.0°C, January 4, 2001.
DISSOLVED OXYGEN: Maximum recorded, 14.2 mg/L, January 26, 28, 2003; minimum recorded, 0.3 mg/L, May 14, June 19, 28, 29, August 22, 2002.
TURBIDITY: Maximum recorded, >1,100 NTU, on several days in 2003 and 2004; minimum recorded, <2.0 NTU, on many days.

022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 49,200 microsiemens, June 3, 4; minimum recorded, 23,100 microsiemens, September 17.

pH: Maximum recorded, 8.2 units, on many days; minimum recorded, 7.0 units, on many days.

WATER TEMPERATURE: Maximum recorded, 32.9°C, July 7; minimum recorded, 8.3°C, December 22.

DISSOLVED OXYGEN: Maximum recorded, 11.7 mg/L, January 1; minimum recorded, 0.6 mg/L, August 16.

TURBIDITY: Maximum recorded, >1,100 NTU, June 24, August 26, September 2; minimum recorded, <2.0 NTU, on many days.

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	42100	40100	40700	40800	38700	39500	40400	40100	40300	37900	37200	37800
2	42200	40300	40900	41100	39000	39800	40800	40200	40500	38200	37300	38000
3	41900	39900	40700	41300	39400	40200	41100	40400	40800	38700	38000	38200
4	41100	39900	40400	41000	39600	40200	41700	39600	40600	38700	38100	38300
5	40700	40000	40300	40500	39600	40100	41600	39600	40400	38600	37800	38300
6	40700	40100	40400	40200	39800	40000	41600	39500	40600	38600	38000	38400
7	40700	40000	40300	40000	39400	39800	41800	39900	41000	38900	38300	38600
8	40400	39800	40100	40000	39300	39700	41700	40500	41100	39400	38600	38900
9	40300	38600	40000	40900	39700	40100	41600	40300	41200	39800	38800	39100
10	40600	39600	40100	41900	39900	40600	41500	40900	41200	40500	38700	39400
11	40600	39700	40000	41500	40200	40600	41400	40600	41000	40700	39100	39600
12	40800	39600	40000	41000	40200	40500	---	---	---	40300	39300	39700
13	40600	39600	39900	40800	40400	40500	---	---	---	40300	39100	39700
14	40600	39600	40000	41000	40500	40700	---	---	---	40500	38800	39900
15	40800	39800	40200	41600	40700	40900	---	---	---	40500	39100	39900
16	40900	39800	40300	42100	40500	41100	---	---	---	40700	39200	40200
17	41100	40200	40500	42100	40900	41300	---	---	---	40800	38700	40300
18	41300	40300	40700	42200	41000	41500	40500	39000	39600	41100	40000	40300
19	41800	40400	40900	42100	40400	41300	40500	39100	39800	40100	40000	40100
20	41900	40500	41100	41700	40500	41200	40600	39100	40000	41400	39900	40400
21	42000	40600	41200	41200	40600	40900	40900	39600	40100	41200	39700	40500
22	42100	40800	41500	41300	40100	40800	41100	38900	39900	41700	40100	40900
23	42400	41400	41800	42300	39500	40700	41200	38200	39500	41000	40200	40800
24	42600	40900	41800	42500	39500	40500	40200	37700	38900	41000	40200	40800
25	42800	40900	41700	42100	39600	40400	38900	37400	38400	41100	40500	40800
26	42400	40100	41200	42300	39600	40400	38700	37300	38100	41100	40100	40800
27	42300	40200	41100	41400	39700	40300	38400	37400	38000	40900	39700	40200
28	42300	39100	40700	40800	39700	40100	38200	36800	37900	40700	39700	40200
29	40700	36600	38600	40500	39300	40000	38100	37500	37900	40800	40000	40400
30	40400	37600	38800	40500	39900	40100	38000	37500	37800	40900	40100	40500
31	40500	33200	38900	---	---	---	37900	37400	37800	41100	40300	40700
MONTH	42800	33200	40500	42500	38700	40500	---	---	---	41700	37200	39700

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	42000	40100	40900	39000	34400	36400	39900	37100	38400	40400	31000	37100
2	43300	39500	41400	37000	34700	35800	41100	37300	39100	40400	30900	36800
3	43400	40000	41400	36000	34500	35200	41500	37800	40000	39900	28900	34800
4	42900	40000	41600	35600	34100	35000	41800	39000	40400	40900	30900	36000
5	42500	40600	41600	35000	33400	34500	42000	39800	40900	42800	33000	37100
6	41800	38700	41100	34500	33100	33900	42300	40400	41000	42900	34500	37800
7	40100	39300	39700	34100	31800	33200	41900	40200	40900	42100	34300	38400
8	39800	38100	39300	34200	32200	33300	41300	38800	40500	42000	36600	38600
9	39600	38100	39000	35800	31800	33500	41100	39500	40200	41400	37500	39100
10	39200	37500	38600	35700	32900	33800	41100	39900	40300	41400	37900	39600
11	38800	37300	38200	35400	33000	33900	40700	39700	40300	41300	38200	39700
12	38300	37300	37800	34100	32900	33400	40400	39000	39600	41200	38300	39700
13	38200	37500	37900	33700	32800	33300	40100	38300	39100	41300	38600	40000
14	38300	36500	37400	34600	33300	33800	39400	38500	38800	41100	39000	40100
15	38500	36200	37000	35000	32700	33800	39900	39000	39600	41000	39300	40200
16	38000	36200	37200	35100	32300	33400	40200	39700	40000	40900	39600	40300
17	39400	36700	37800	35600	32500	33700	40500	39900	40200	40800	39900	40400
18	39400	36300	37700	36800	32900	34300	40600	40200	40300	40700	40000	40400
19	38300	36000	37000	36100	33300	34400	40600	40000	40400	40800	39600	40400
20	36900	33200	35700	36800	33300	34800	40600	40200	40500	41000	40000	40600
21	35700	32200	34200	36100	33600	34600	40800	40400	40600	41100	40500	40800
22	34600	31500	33200	36500	34200	35100	41000	40500	40800	41300	40600	40900
23	33800	31600	32600	36500	34700	35400	41000	38700	40900	41600	40800	41100
24	32800	31200	32300	---	---	---	---	---	---	41900	40800	41200
25	36400	31600	32800	36900	35500	35800	41400	41000	41100	42000	41100	41400
26	38900	31700	33600	36800	35100	35700	41400	39100	40800	42500	41300	41800
27	39100	31400	34700	36600	35300	35700	40800	38500	39700	43400	41800	42500
28	40100	33700	36900	37000	35400	36000	41500	39200	40200	44500	42200	43200
29	40100	34400	36900	38800	36200	37000	42400	39500	40600	45600	42700	43900
30	---	---	---	38900	36400	37400	42200	33900	39700	46300	43600	44800
31	---	---	---	39400	36700	37800	---	---	---	47300	42100	45400
MONTH	43400	31200	37400	---	---	---	---	---	---	47300	28900	40100

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	48100	44900	46100	45700	38400	42300	45400	42500	43500	44100	42400	43400
2	49100	45800	46700	45600	39300	42300	46000	43100	44000	44300	43100	43700
3	49200	46400	47000	45600	41100	42500	45400	42800	44000	44400	43500	44000
4	49200	46600	47200	44700	41700	42600	45200	42800	44100	44800	43100	44000
5	48900	46800	47300	44200	41900	42700	45700	43100	44600	45900	42900	44300
6	48300	47000	47300	44000	42100	42800	46000	44300	45100	46200	35800	41000
7	48300	47300	47600	43600	41600	42800	46400	44800	45600	41000	30700	36200
8	48400	47300	47900	43600	40800	42000	46400	45300	45800	40600	30200	35100
9	48500	45700	47700	43000	41000	41900	46700	45700	46100	40400	31800	36700
10	48300	46000	47300	42700	41200	42000	46700	45600	46200	39700	29700	35800
11	48100	45900	47000	42700	41000	42000	46600	44700	45900	39600	27400	34400
12	48200	46300	47300	43100	41200	42300	46400	44800	45600	38000	28000	33900
13	48400	38800	47200	43000	42100	42500	46000	44100	45200	37400	27900	33400
14	46700	36800	42900	43300	42400	42800	45800	43600	44800	35300	27400	31600
15	45900	38500	42600	43000	42300	42800	45500	44000	44800	31700	25600	29100
16	45600	39300	42500	43800	42200	42700	45100	43800	44500	29100	24000	26500
17	45800	39500	43100	43600	42500	42900	45000	43100	44400	26300	23100	24900
18	45700	40300	43200	43200	42600	42900	43900	40200	42300	24700	23400	24000
19	46000	40900	43500	43600	42700	43200	43600	40300	42300	28000	23300	24700
20	46100	41500	43900	43700	43400	43500	43600	41000	42600	34300	23700	26900
21	46000	42400	44200	43800	43500	43600	43500	40100	42200	35900	24900	28800
22	45900	41300	43600	44000	43600	43800	43100	40200	41900	33000	26300	29000
23	45400	40800	43300	44100	43800	43900	43200	40600	42200	32200	26600	29000
24	45700	39700	43500	44100	43800	44000	43000	41000	42200	33500	27300	29800
25	---	---	---	44000	42400	43500	43100	40800	42000	35500	28400	31000
26	---	---	---	43100	42000	42800	43100	41000	42100	36400	28800	31900
27	---	---	---	42800	41500	42500	44300	41500	42900	33400	25200	30100
28	---	---	---	44600	41500	43500	45200	42900	43600	28700	26100	27900
29	---	---	---	44900	43300	43900	44400	42800	43600	28300	25700	27200
30	46200	41200	43900	45600	43200	43800	44200	42900	43500	29500	25900	27200
31	---	---	---	46100	42700	43800	---	---	---	---	---	---
MONTH	---	---	---	46100	38400	42900	---	---	---	46200	23100	32800

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.4	7.1	7.3	7.6	7.2	7.4	7.8	7.6	7.7	8.2	7.8	8.0
2	7.4	7.1	7.3	7.6	7.2	7.4	7.8	7.6	7.7	8.2	7.9	8.0
3	7.6	7.1	7.4	7.6	7.2	7.4	7.9	7.6	7.7	8.2	7.8	8.0
4	7.6	7.2	7.4	7.5	7.2	7.3	7.9	7.5	7.7	8.2	7.7	8.0
5	7.5	7.2	7.3	7.5	7.1	7.3	7.9	7.5	7.6	8.2	7.7	7.9
6	7.5	7.1	7.3	7.4	7.1	7.2	7.8	7.4	7.6	8.2	7.6	7.9
7	7.5	7.1	7.2	7.4	7.1	7.2	7.9	7.5	7.7	8.2	7.7	8.0
8	7.4	7.1	7.2	7.4	7.1	7.2	7.9	7.5	7.7	8.2	7.8	8.0
9	7.4	7.1	7.2	7.5	7.2	7.3	7.9	7.5	7.7	8.2	7.8	8.0
10	7.4	7.1	7.2	7.6	7.2	7.4	7.9	7.5	7.7	8.1	7.8	7.9
11	7.4	7.1	7.2	7.6	7.3	7.4	7.9	7.5	7.7	8.1	7.8	8.0
12	7.4	7.1	7.2	7.6	7.3	7.4	7.9	7.5	7.7	8.1	7.8	8.0
13	7.4	7.1	7.2	7.6	7.3	7.5	---	---	---	8.1	7.8	8.0
14	7.4	7.1	7.2	7.7	7.5	7.6	---	---	---	8.2	7.8	8.0
15	7.5	7.1	7.3	7.8	7.5	7.6	---	---	---	8.1	7.8	8.0
16	7.5	7.2	7.4	7.8	7.5	7.6	---	---	---	8.2	7.9	8.0
17	7.6	7.3	7.4	7.8	7.4	7.6	---	---	---	8.2	7.8	8.0
18	7.6	7.2	7.4	7.9	7.4	7.6	8.0	7.6	7.8	8.2	7.7	7.9
19	7.6	7.3	7.4	7.8	7.3	7.6	7.9	7.6	7.8	8.1	7.7	7.9
20	7.7	7.3	7.4	7.9	7.4	7.7	8.0	7.6	7.8	8.1	7.7	7.9
21	7.7	7.2	7.4	7.9	7.4	7.6	8.0	7.7	7.9	8.1	7.6	7.8
22	7.7	7.3	7.4	7.8	7.4	7.6	8.0	7.7	7.9	7.8	7.5	7.7
23	7.7	7.3	7.5	7.8	7.3	7.5	8.0	7.8	7.9	7.8	7.5	7.7
24	7.6	7.3	7.4	7.8	7.3	7.5	8.0	7.7	7.8	7.8	7.6	7.7
25	7.6	7.2	7.4	7.7	7.3	7.5	7.9	7.7	7.9	7.8	7.6	7.7
26	7.5	7.2	7.3	7.7	7.4	7.5	8.0	7.8	7.9	7.8	7.6	7.7
27	7.5	7.2	7.3	7.7	7.4	7.6	8.0	7.8	8.0	7.8	7.6	7.7
28	7.5	7.2	7.3	7.6	7.4	7.5	8.0	7.9	8.0	7.8	7.5	7.6
29	7.4	7.1	7.3	7.7	7.5	7.6	8.1	7.8	8.0	7.8	7.6	7.7
30	7.5	7.2	7.3	7.8	7.5	7.6	8.1	7.8	8.0	7.8	7.6	7.7
31	7.5	7.2	7.4	---	---	---	8.1	7.8	8.0	7.9	7.6	7.8
MAX	7.7	7.3	7.5	7.9	7.5	7.7	---	---	---	8.2	7.9	8.0
MIN	7.4	7.1	7.2	7.4	7.1	7.2	---	---	---	7.8	7.5	7.6

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.9	7.6	7.8	7.9	7.5	7.8	7.7	7.4	7.5	7.7	7.0	7.3
2	7.9	7.6	7.7	8.0	7.5	7.8	7.8	7.4	7.6	7.6	7.1	7.3
3	7.8	7.6	7.7	8.0	7.5	7.8	7.8	7.4	7.6	7.6	7.0	7.2
4	7.8	7.5	7.7	8.0	7.5	7.7	7.8	7.4	7.6	7.6	7.0	7.3
5	7.8	7.6	7.7	8.0	7.4	7.7	7.8	7.4	7.6	7.6	7.1	7.3
6	7.8	7.5	7.7	7.9	7.4	7.6	7.8	7.4	7.6	7.6	7.1	7.3
7	7.8	7.5	7.7	7.9	7.3	7.6	7.7	7.3	7.5	7.6	7.1	7.3
8	7.9	7.5	7.8	7.9	7.4	7.7	7.6	7.3	7.4	7.6	7.1	7.3
9	7.9	7.6	7.8	8.0	7.5	7.7	7.6	7.2	7.4	7.5	7.1	7.3
10	7.9	7.6	7.7	7.9	7.5	7.7	7.6	7.2	7.4	7.6	7.1	7.3
11	7.9	7.6	7.7	7.9	7.5	7.7	7.6	7.2	7.4	7.5	7.1	7.2
12	7.9	7.6	7.7	7.9	7.4	7.7	7.6	7.2	7.4	7.5	7.1	7.3
13	7.9	7.6	7.7	7.9	7.5	7.7	7.6	7.2	7.4	7.6	7.2	7.3
14	7.9	7.5	7.7	7.9	7.5	7.7	7.7	7.4	7.6	7.7	7.2	7.4
15	7.8	7.5	7.7	7.9	7.4	7.6	7.8	7.4	7.6	7.7	7.2	7.4
16	7.9	7.5	7.7	7.9	7.3	7.6	7.8	7.4	7.6	7.6	7.2	7.4
17	7.8	7.5	7.6	7.9	7.3	7.6	7.8	7.4	7.6	7.6	7.2	7.4
18	7.8	7.5	7.6	7.9	7.4	7.6	7.8	7.3	7.5	7.6	7.2	7.3
19	7.8	7.5	7.7	7.8	7.3	7.6	7.8	7.4	7.5	7.6	7.2	7.3
20	7.8	7.5	7.7	7.8	7.3	7.6	7.7	7.3	7.5	7.6	7.2	7.3
21	7.8	7.6	7.7	7.8	7.3	7.5	7.8	7.3	7.5	7.7	7.2	7.4
22	7.8	7.5	7.7	7.8	7.3	7.6	7.7	7.3	7.5	7.7	7.3	7.5
23	7.8	7.5	7.8	7.8	7.3	7.6	7.7	7.3	7.5	7.7	7.3	7.6
24	7.9	7.5	7.7	7.8	7.4	7.6	7.7	7.4	7.5	7.7	7.3	7.6
25	7.9	7.5	7.7	7.8	7.4	7.6	7.7	7.3	7.5	7.7	7.4	7.6
26	7.8	7.5	7.7	7.8	7.4	7.5	7.7	7.3	7.5	7.7	7.4	7.6
27	7.8	7.6	7.7	7.7	7.3	7.5	7.7	7.3	7.5	7.8	7.3	7.6
28	7.9	7.6	7.8	7.7	7.3	7.5	7.7	7.3	7.6	7.8	7.4	7.6
29	7.9	7.6	7.8	7.7	7.3	7.6	7.7	7.3	7.5	7.8	7.4	7.6
30	---	---	---	7.7	7.3	7.5	7.7	7.2	7.5	7.8	7.2	7.5
31	---	---	---	7.7	7.3	7.5	---	---	---	7.7	7.1	7.3
MAX	7.9	7.6	7.8	8.0	7.5	7.8	7.8	7.4	7.6	7.8	7.4	7.6
MIN	7.8	7.5	7.6	7.7	7.3	7.5	7.6	7.2	7.4	7.5	7.0	7.2

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.7	7.1	7.3	7.8	7.1	7.4	7.5	7.2	7.4	7.5	7.1	7.4
2	7.7	7.1	7.3	7.7	7.1	7.3	7.6	7.2	7.4	7.5	7.2	7.4
3	7.6	7.1	7.3	7.7	7.1	7.4	7.5	7.2	7.4	7.6	7.3	7.5
4	7.5	7.1	7.3	7.6	7.1	7.4	7.5	7.3	7.4	7.6	7.3	7.5
5	7.5	7.1	7.3	7.6	7.1	7.4	7.5	7.2	7.4	7.7	7.4	7.6
6	7.4	7.1	7.3	7.4	7.1	7.3	7.5	7.2	7.4	7.7	7.3	7.5
7	7.4	7.1	7.3	7.5	7.2	7.3	7.6	7.2	7.5	7.7	7.3	7.4
8	7.5	7.1	7.4	7.5	7.1	7.3	7.6	7.3	7.5	7.8	7.2	7.4
9	7.4	7.2	7.2	7.5	7.1	7.4	7.6	7.3	7.5	7.8	7.2	7.5
10	7.5	7.0	7.3	7.6	7.2	7.4	7.7	7.3	7.5	7.8	7.1	7.4
11	7.5	7.1	7.3	7.7	7.2	7.4	7.6	7.3	7.5	7.8	7.0	7.3
12	7.6	7.2	7.3	7.7	7.3	7.4	7.6	7.2	7.3	7.7	7.0	7.3
13	7.6	7.2	7.3	7.8	7.3	7.4	7.5	7.2	7.3	7.6	7.0	7.2
14	7.5	7.1	7.3	7.8	7.3	7.5	7.6	7.2	7.3	7.5	7.0	7.2
15	7.5	7.1	7.2	7.6	7.3	7.4	7.5	7.1	7.3	7.4	7.0	7.2
16	7.7	7.1	7.2	7.7	7.2	7.4	7.5	7.1	7.3	7.4	7.0	7.2
17	7.6	7.1	7.3	7.6	7.2	7.3	7.5	7.1	7.3	7.4	7.1	7.2
18	7.7	7.1	7.4	7.6	7.2	7.3	7.5	7.1	7.3	7.4	7.0	7.2
19	7.7	7.1	7.4	7.6	7.2	7.4	7.5	7.1	7.3	7.5	7.1	7.2
20	7.7	7.1	7.5	7.6	7.2	7.4	7.4	7.1	7.3	7.7	7.1	7.3
21	7.6	7.2	7.3	7.6	7.2	7.4	7.4	7.1	7.3	7.7	7.2	7.4
22	7.6	7.0	7.4	7.6	7.2	7.5	7.4	7.1	7.3	7.7	7.2	7.4
23	7.9	7.1	7.5	7.6	7.3	7.5	7.4	7.2	7.3	7.6	7.2	7.4
24	7.9	7.2	7.7	7.8	7.3	7.6	7.4	7.2	7.3	7.6	7.2	7.3
25	8.0	7.2	7.6	7.7	7.3	7.5	7.4	7.2	7.3	7.7	7.2	7.4
26	---	---	---	7.7	7.2	7.5	7.4	7.1	7.3	7.7	7.2	7.5
27	---	---	---	7.7	7.3	7.5	7.5	7.2	7.3	7.7	7.3	7.5
28	---	---	---	7.8	7.3	7.6	7.5	7.2	7.3	7.6	7.3	7.4
29	8.0	7.3	7.6	7.7	7.3	7.6	7.6	7.2	7.3	7.6	7.2	7.3
30	7.8	7.2	7.6	7.7	7.3	7.5	7.5	7.1	7.3	7.6	7.2	7.3
31	---	---	---	7.6	7.3	7.4	7.4	7.2	7.3	---	---	---
MAX	---	---	---	7.8	7.3	7.6	7.7	7.3	7.5	7.8	7.4	7.6
MIN	---	---	---	7.4	7.1	7.3	7.4	7.1	7.3	7.4	7.0	7.2

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.7	22.9	24.0	22.7	21.5	22.3	15.8	13.7	14.8	12.6	11.1	12.1
2	24.8	22.7	23.9	22.3	20.8	21.9	15.5	13.5	14.4	12.5	11.0	12.0
3	24.1	22.4	23.2	22.2	21.4	21.9	14.9	12.8	13.9	13.5	12.0	12.7
4	24.0	22.1	23.2	23.8	22.1	22.7	14.6	13.4	14.1	14.9	12.8	13.7
5	24.4	22.9	23.7	24.6	22.8	23.6	14.4	13.7	14.1	15.6	13.4	14.6
6	24.2	23.1	23.8	24.6	23.4	24.1	13.8	12.4	13.3	15.6	14.0	14.7
7	24.1	23.4	23.7	25.4	23.6	24.3	13.2	11.6	12.4	14.0	11.6	12.9
8	24.1	23.2	23.6	24.6	23.2	24.0	12.7	11.3	12.0	12.2	11.2	11.6
9	24.1	23.2	23.6	23.2	20.4	22.1	12.8	11.2	12.1	12.0	11.0	11.6
10	24.5	23.4	23.8	20.4	19.4	19.9	13.6	11.9	12.8	11.6	10.3	10.9
11	23.7	23.2	23.5	19.9	18.8	19.4	12.9	12.1	12.5	10.4	9.2	9.9
12	23.4	22.9	23.1	20.8	19.1	19.9	---	---	---	10.7	8.8	9.7
13	23.4	22.7	23.1	20.7	19.1	20.1	---	---	---	10.9	9.2	9.9
14	24.7	23.1	23.7	19.2	18.3	18.8	---	---	---	11.6	9.5	10.4
15	24.2	23.1	23.6	19.5	17.6	18.5	---	---	---	12.2	10.6	11.1
16	24.1	22.5	23.2	19.9	18.1	18.9	---	---	---	11.3	10.3	10.9
17	24.3	22.8	23.4	20.3	18.5	19.4	---	---	---	11.3	10.4	10.8
18	24.0	23.0	23.4	20.9	19.6	20.1	12.1	10.7	11.5	12.9	10.9	11.7
19	23.5	22.7	23.2	20.7	20.0	20.4	11.5	9.9	10.9	12.8	11.6	12.2
20	23.4	22.0	22.9	20.1	---	19.2	10.8	8.6	9.9	12.1	10.5	11.2
21	23.3	21.9	22.7	19.1	17.4	18.5	10.3	8.4	9.2	11.2	10.1	10.6
22	22.7	21.7	22.3	18.8	17.2	18.1	9.8	8.3	9.2	11.1	9.9	10.5
23	22.3	21.0	21.7	19.6	17.4	18.3	12.2	9.1	10.1	10.8	9.6	10.2
24	22.1	20.8	21.5	19.5	18.2	18.9	12.6	10.6	11.4	11.2	9.2	10.1
25	22.6	21.2	21.8	18.7	17.9	18.3	11.6	10.6	11.1	12.9	10.7	11.4
26	23.9	21.9	22.5	18.4	17.3	18.0	11.1	9.7	10.6	13.1	11.6	12.2
27	23.4	22.6	22.9	19.5	17.5	18.5	11.1	9.6	10.5	12.6	11.8	12.2
28	22.8	22.5	22.7	19.5	18.4	18.9	11.5	9.5	10.7	11.8	10.8	11.3
29	23.2	21.8	22.4	18.4	16.2	17.1	12.3	10.6	11.4	11.0	9.5	10.5
30	23.1	20.9	22.3	16.7	14.6	15.6	12.9	11.7	12.1	10.9	9.5	10.4
31	23.0	21.3	22.4	---	---	---	12.8	11.6	12.2	10.9	10.1	10.6
MONTH	24.8	20.8	23.1	25.4	---	20.1	---	---	---	15.6	8.8	11.4

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.6	9.7	10.2	13.6	10.6	11.7	19.0	17.4	18.0	23.9	22.3	23.1
2	9.9	9.3	9.6	15.0	11.6	13.1	17.8	16.5	17.3	24.9	23.0	23.6
3	10.6	9.7	10.1	15.8	12.6	14.2	17.8	16.4	17.1	24.3	22.7	23.4
4	10.7	9.6	10.2	16.9	13.1	15.0	17.8	16.6	17.1	23.4	21.8	22.4
5	11.2	10.2	10.5	19.1	13.7	16.2	19.1	16.4	17.1	24.5	21.2	22.3
6	14.4	10.8	12.0	19.2	14.8	17.1	21.0	16.5	17.6	26.2	21.9	23.1
7	14.1	12.4	13.2	19.9	15.5	17.3	21.2	17.4	18.3	26.6	22.9	24.1
8	12.6	11.2	11.9	17.8	15.2	16.5	20.3	18.0	19.0	27.5	23.6	25.0
9	11.5	10.7	11.2	17.1	14.6	15.7	---	18.4	---	27.6	24.1	25.4
10	12.1	11.2	11.5	16.1	14.4	15.1	23.6	19.0	20.7	27.7	24.2	25.4
11	12.3	11.5	11.8	17.5	13.9	14.9	23.1	19.8	21.4	25.6	24.7	25.2
12	12.1	11.4	11.8	16.8	14.1	15.1	23.3	20.5	21.8	26.8	24.5	25.4
13	12.0	11.2	11.5	16.7	14.5	15.3	22.4	20.9	21.7	26.7	24.8	25.7
14	11.5	11.2	11.3	17.2	14.5	15.6	21.6	18.5	19.4	26.9	25.1	26.0
15	12.7	11.0	11.6	18.3	15.0	16.6	18.8	17.2	18.3	27.1	25.4	26.2
16	12.3	10.5	11.0	18.6	15.8	17.3	20.2	17.7	18.7	28.0	25.6	26.4
17	10.7	9.4	10.1	18.6	16.2	17.3	22.4	18.4	19.3	28.2	25.9	26.7
18	10.0	8.9	9.5	18.8	16.0	17.2	23.5	19.0	20.2	27.8	26.2	26.6
19	11.5	9.4	9.9	20.4	16.5	17.6	25.4	19.7	21.0	28.3	25.9	26.7
20	12.7	9.9	10.7	20.6	17.1	18.3	24.0	20.4	21.2	29.3	26.2	27.0
21	13.9	10.8	12.1	20.4	17.8	18.8	24.9	20.8	21.8	29.8	26.6	27.5
22	14.4	11.6	12.7	18.6	16.9	17.8	25.5	21.4	22.5	29.9	26.8	27.7
23	14.8	12.2	13.1	17.8	16.2	16.8	25.0	22.2	23.1	29.4	27.1	27.9
24	14.4	12.9	13.6	18.0	15.7	16.6	26.3	---	---	30.2	27.4	28.2
25	13.9	11.9	12.9	18.7	16.3	17.0	26.2	23.3	24.4	30.1	27.7	28.4
26	12.0	10.6	11.1	20.0	16.9	18.0	25.2	23.8	24.4	29.7	27.9	28.4
27	10.8	9.5	10.0	21.2	17.8	19.0	24.9	23.5	24.1	29.7	27.5	28.3
28	10.7	8.8	9.8	21.0	18.5	19.5	24.0	22.5	23.4	29.3	27.4	28.1
29	11.7	9.5	10.4	20.2	18.5	19.3	24.0	22.5	23.1	29.2	27.4	28.2
30	---	---	---	19.6	18.4	19.0	23.7	22.6	23.1	28.9	27.7	28.3
31	---	---	---	19.2	18.5	18.9	---	---	---	29.0	27.8	28.3
MONTH	14.8	8.8	11.2	21.2	10.6	16.7	---	---	---	30.2	21.2	26.1

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	29.6	27.6	28.1	30.4	28.2	29.2	30.2	29.1	29.4	32.1	28.2	29.3
2	29.9	27.7	28.3	30.1	28.8	29.3	30.5	28.9	29.6	30.6	29.1	29.6
3	29.8	27.9	28.5	31.2	28.4	29.3	31.7	29.1	30.0	30.6	28.8	29.4
4	29.2	27.4	27.9	32.0	28.7	29.7	32.3	29.6	30.6	29.4	28.5	28.9
5	29.6	26.8	27.8	32.4	29.0	30.1	32.9	29.8	31.0	28.5	27.6	28.0
6	30.2	27.0	28.0	32.7	29.5	30.7	30.9	29.4	30.2	27.7	26.1	26.7
7	31.0	27.6	28.6	32.9	29.9	31.0	29.4	28.0	28.8	26.6	25.9	26.2
8	31.4	27.9	29.0	31.4	29.6	30.3	28.6	27.4	27.8	27.6	26.1	26.7
9	29.0	28.2	28.6	32.0	29.0	30.3	28.8	26.6	27.7	28.8	26.9	27.6
10	29.5	27.6	28.5	32.6	30.0	30.9	28.5	27.3	28.0	29.0	27.3	27.9
11	29.7	27.8	28.8	31.8	30.5	31.0	28.3	27.4	27.8	27.6	26.9	27.3
12	29.7	28.5	29.1	31.9	30.2	30.8	27.9	27.0	27.5	27.4	26.4	27.0
13	30.4	28.2	29.3	31.4	30.1	30.8	27.1	26.4	26.8	27.2	26.3	26.7
14	29.2	27.9	28.7	31.3	30.0	30.7	27.6	26.2	26.8	26.4	25.8	26.1
15	29.0	28.3	28.6	31.3	28.8	30.2	28.0	26.5	27.1	27.3	25.6	26.3
16	29.6	28.2	28.7	29.6	28.4	28.9	27.6	26.1	26.9	27.6	26.4	26.8
17	29.6	28.6	28.9	29.4	28.3	28.7	28.9	26.8	27.4	28.9	26.4	27.3
18	31.0	28.3	29.2	29.2	28.1	28.4	29.5	26.5	27.5	29.1	26.8	27.6
19	31.3	28.9	29.6	30.4	27.8	28.4	30.1	27.4	28.3	28.0	26.7	27.3
20	31.4	29.2	30.0	30.6	28.0	28.8	31.4	28.3	29.2	26.7	24.0	25.2
21	30.2	29.2	29.7	31.2	28.3	29.1	29.8	28.7	29.2	24.4	22.9	23.5
22	30.1	28.5	29.2	31.9	28.7	29.6	30.6	28.0	29.1	25.0	22.8	23.7
23	30.9	28.3	29.1	31.3	29.1	29.8	29.6	28.8	29.1	25.4	23.6	24.4
24	30.3	28.1	29.1	31.9	29.2	30.2	29.3	28.6	28.9	25.2	24.0	24.4
25	---	---	---	30.5	29.4	29.9	29.3	28.0	28.7	24.5	23.8	24.1
26	---	---	---	31.6	29.0	30.1	29.2	28.3	28.8	24.4	23.9	24.2
27	---	---	---	31.5	29.8	30.5	29.2	28.0	28.7	25.0	24.3	24.6
28	---	---	---	31.4	30.0	30.5	29.1	28.4	28.7	26.6	24.1	24.9
29	---	---	---	31.3	29.5	30.2	30.0	28.0	28.6	26.7	24.7	25.5
30	31.8	29.0	29.8	30.9	29.3	29.8	31.0	28.2	29.0	27.6	25.4	26.3
31	---	---	---	30.8	29.4	29.7	---	---	---	---	---	---
MONTH	---	---	---	32.9	27.8	29.9	---	---	---	32.1	22.8	26.4

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.0	4.8	6.1	---	---	---	---	---	---	11.7	9.5	10.6
2	7.0	4.8	6.2	---	---	---	---	---	---	11.4	9.7	10.6
3	6.7	5.1	5.9	---	---	---	---	---	---	11.3	8.9	10.3
4	6.5	4.1	5.4	---	---	---	---	---	---	10.9	8.4	9.9
5	6.5	3.8	5.1	---	---	---	---	---	---	10.8	8.1	9.5
6	6.4	3.5	4.9	---	---	---	---	---	---	10.3	7.5	9.2
7	5.8	2.9	4.5	---	---	---	---	---	---	10.4	8.3	9.5
8	5.6	2.9	4.4	---	---	---	---	---	---	10.5	8.9	9.8
9	5.6	3.2	4.4	---	---	---	---	---	---	10.2	9.1	9.8
10	5.5	3.6	4.8	---	---	---	---	---	---	10.2	8.8	9.7
11	5.2	3.3	4.4	---	---	---	---	---	---	10.8	9.3	10.2
12	5.2	3.1	4.3	---	---	---	---	---	---	11.2	10.1	10.8
13	5.3	3.1	4.5	---	---	---	---	---	---	11.3	10.2	10.9
14	5.5	3.4	4.8	---	---	---	---	---	---	11.3	10.3	11.0
15	6.4	3.8	5.5	---	---	---	---	---	---	11.4	10.1	10.8
16	7.0	5.3	6.2	---	---	---	---	---	---	11.4	9.4	10.8
17	7.1	5.6	6.4	---	---	---	---	---	---	11.4	9.3	10.5
18	7.2	5.6	6.4	---	---	---	9.0	7.7	8.4	10.9	8.4	9.9
19	7.3	5.5	6.5	---	---	---	9.1	7.6	8.5	---	---	---
20	7.7	5.6	6.5	---	---	---	9.4	7.6	8.7	10.5	8.4	9.8
21	7.5	4.8	6.2	---	---	---	9.5	8.2	9.0	10.3	8.1	9.4
22	7.3	5.0	6.1	---	---	---	9.6	8.3	9.1	8.8	7.5	8.3
23	6.7	4.7	5.9	---	---	---	9.5	8.4	9.1	8.9	7.5	8.5
24	6.2	4.4	5.5	---	---	---	9.3	8.1	8.9	9.1	7.8	8.6
25	6.0	4.2	5.4	---	---	---	9.7	7.6	9.1	9.1	7.5	8.6
26	5.8	3.9	5.2	---	---	---	10.2	8.7	9.5	8.9	7.7	8.4
27	5.5	3.8	5.0	---	---	---	10.5	9.2	9.9	8.7	7.5	8.1
28	5.1	3.7	4.6	---	---	---	11.0	9.5	10.3	8.9	7.4	8.3
29	5.7	3.8	5.1	---	---	---	10.9	9.5	10.4	9.2	7.9	8.7
30	6.3	4.5	5.6	---	---	---	10.8	9.5	10.3	9.5	8.0	8.9
31	6.7	4.7	5.9	---	---	---	11.3	9.3	10.4	9.7	8.6	9.1
MONTH	7.7	2.9	5.4	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.6	8.5	9.2	10.5	8.1	9.6	7.7	5.8	6.8	6.2	3.4	5.0
2	9.4	8.3	9.0	10.8	8.0	9.6	8.1	6.3	7.2	6.1	3.7	4.8
3	9.4	7.7	8.8	11.0	8.0	9.7	8.2	6.0	7.2	5.3	2.9	4.3
4	9.6	7.6	8.8	10.6	7.3	9.3	8.0	5.6	7.0	5.9	2.7	4.7
5	9.4	8.1	8.8	10.2	6.8	8.7	7.9	5.6	7.1	6.2	3.6	4.9
6	9.3	7.6	8.6	9.6	5.6	8.1	7.8	5.8	7.0	6.1	3.7	4.9
7	9.1	6.9	8.2	9.5	6.0	8.1	8.0	4.9	6.8	5.7	3.3	4.7
8	9.5	7.0	8.8	9.4	5.9	8.3	6.9	5.0	6.3	---	---	---
9	9.5	7.9	9.0	9.5	7.2	8.7	6.9	4.0	6.1	---	---	---
10	9.4	7.8	8.9	9.4	7.1	8.7	7.0	4.5	6.1	---	---	---
11	9.2	7.4	8.7	9.8	7.8	9.0	6.9	4.6	6.1	---	---	---
12	9.2	7.6	8.5	9.6	6.2	8.8	7.3	3.8	6.0	---	---	---
13	9.2	7.2	8.6	9.8	7.2	9.0	7.1	4.5	6.1	---	---	---
14	9.2	7.6	8.5	9.8	7.7	9.0	8.0	5.7	7.0	---	---	---
15	9.1	7.3	8.3	9.8	6.6	8.5	8.5	6.3	7.6	---	---	---
16	9.2	7.4	8.5	9.4	5.7	8.0	8.6	6.1	7.6	---	---	---
17	9.1	7.9	8.6	9.2	5.9	7.8	8.3	5.7	7.3	---	---	---
18	9.4	8.2	8.8	9.1	6.2	8.0	8.1	5.6	7.0	---	---	---
19	9.6	8.3	9.0	8.8	5.5	7.7	7.9	5.5	6.8	---	---	---
20	9.6	7.7	9.0	8.6	5.5	7.7	7.6	4.5	6.5	7.1	3.4	5.0
21	9.4	7.9	8.9	8.4	5.8	7.4	7.4	4.1	6.3	7.5	3.4	5.2
22	9.5	7.3	8.9	8.9	5.8	7.9	7.5	4.0	6.4	7.6	4.2	5.6
23	9.7	7.4	9.0	9.3	6.5	8.3	7.3	4.7	6.2	7.1	4.1	5.6
24	9.3	7.6	8.5	9.5	6.6	8.4	---	5.3	6.6	7.8	3.9	5.7
25	9.1	7.3	8.4	9.2	6.9	8.4	7.2	4.8	6.3	7.0	4.3	5.5
26	9.2	8.0	8.8	8.8	6.7	7.8	7.1	4.9	5.9	6.5	4.0	5.3
27	9.3	8.0	8.8	8.1	6.0	7.3	6.7	4.5	5.8	6.4	4.0	5.4
28	9.9	8.5	9.3	8.1	5.7	7.1	6.9	4.5	5.8	6.3	4.2	5.3
29	10.3	8.6	9.7	8.0	4.7	7.0	6.5	4.8	5.7	6.4	4.1	5.0
30	---	---	---	7.9	4.9	6.7	6.2	3.8	5.5	5.7	3.1	4.4
31	---	---	---	7.4	4.2	6.5	---	---	---	5.3	2.5	4.1
MONTH	10.3	6.9	8.8	11.0	4.2	8.2	---	3.8	6.5	---	---	---

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.1	2.5	4.1	11.5	2.0	6.0	4.9	1.4	3.3	6.2	1.4	3.5
2	6.9	2.7	4.0	9.6	2.6	5.6	5.0	1.2	3.2	5.6	2.0	3.8
3	6.3	2.1	3.9	10.3	2.7	5.6	4.5	1.6	3.2	6.9	2.9	4.6
4	5.3	2.6	3.8	8.9	3.3	5.8	4.5	2.1	3.3	6.2	3.3	4.9
5	5.8	2.3	4.0	8.0	3.6	5.6	5.6	2.0	3.9	6.4	3.5	5.2
6	6.1	2.7	4.3	6.8	3.6	5.3	4.3	2.4	3.6	6.6	4.4	5.5
7	5.9	2.8	4.4	6.1	3.2	4.8	5.9	2.2	4.3	6.6	4.4	5.5
8	7.0	2.9	4.9	5.9	3.4	4.8	5.5	3.3	4.6	7.3	3.7	5.4
9	5.2	3.7	4.4	6.1	2.7	5.0	6.1	2.9	4.7	6.9	3.0	5.1
10	5.4	2.5	4.3	6.1	3.8	5.2	6.8	3.4	5.0	6.4	2.6	4.6
11	6.1	3.1	4.6	6.4	3.5	4.8	5.3	2.8	4.1	6.0	2.6	4.3
12	7.0	3.9	5.0	7.5	3.4	5.2	4.3	1.6	3.4	5.8	2.5	4.1
13	7.1	3.6	5.0	7.7	3.9	5.4	3.5	1.5	2.7	5.2	2.2	3.8
14	7.2	3.5	4.9	7.0	3.7	5.4	3.9	1.6	2.8	5.0	2.2	3.8
15	6.9	3.5	4.6	5.4	2.7	4.5	3.8	1.1	2.7	4.8	2.7	3.9
16	9.2	3.3	5.0	5.5	2.9	4.2	3.8	0.6	2.7	5.4	2.5	4.1
17	8.5	3.9	5.4	5.3	2.9	4.1	3.8	1.4	2.8	5.7	2.9	4.5
18	8.8	3.7	5.7	4.9	2.9	4.0	4.1	1.5	2.9	5.2	2.1	4.2
19	6.9	3.5	5.3	6.9	2.7	4.4	4.3	1.5	3.0	5.5	2.8	4.4
20	8.4	3.5	5.5	6.7	2.9	4.7	4.2	1.6	3.0	6.3	3.5	5.1
21	5.8	3.1	4.8	6.7	3.1	4.8	3.8	1.9	3.0	7.0	4.2	5.7
22	7.4	3.9	5.6	6.3	3.1	5.0	4.2	1.5	3.3	7.2	4.4	5.9
23	10.9	4.6	7.0	5.8	3.5	4.9	3.6	1.9	3.1	6.5	4.1	5.4
24	9.2	5.0	6.9	7.1	3.5	5.1	3.4	2.0	2.8	6.4	3.5	4.9
25	---	---	---	5.6	3.1	4.5	3.8	2.0	2.9	6.7	3.6	5.1
26	---	---	---	6.0	2.6	4.5	4.1	1.5	2.6	7.0	4.2	5.9
27	---	---	---	6.5	2.3	4.5	---	---	---	7.2	5.1	6.4
28	---	---	---	5.9	2.5	4.3	---	---	---	7.0	4.3	5.9
29	---	---	---	5.2	2.1	4.0	---	---	---	6.7	4.2	5.7
30	8.9	3.4	6.2	6.4	1.6	4.0	---	---	---	6.3	4.0	5.5
31	---	---	---	5.4	1.8	3.6	---	---	---	---	---	---
MONTH	---	---	---	11.5	1.6	4.8	---	---	---	7.3	1.4	4.9

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	40	5.7	12	26	2.7	6.2	7.0	<2.0	<2.0	---	---	---
2	30	6.8	11	18	<2.0	5.1	7.7	<2.0	2.0	---	---	---
3	32	2.4	8.4	16	2.5	5.2	12	<2.0	2.9	7.2	<2.0	<2.0
4	17	2.4	5.9	22	2.1	6.2	14	<2.0	4.9	8.0	<2.0	2.1
5	14	2.0	5.8	16	2.0	5.8	14	<2.0	3.7	13	<2.0	3.0
6	21	2.8	6.4	8.6	2.2	4.6	14	<2.0	3.1	16	<2.0	3.8
7	18	3.0	6.0	19	2.0	5.3	20	<2.0	3.5	22	<2.0	3.6
8	23	3.8	6.6	22	2.6	7.8	18	<2.0	3.8	63	<2.0	3.2
9	25	4.0	7.5	27	3.3	7.9	15	<2.0	3.2	31	<2.0	4.2
10	29	2.9	8.9	33	3.1	6.3	21	<2.0	3.8	34	<2.0	6.2
11	28	3.7	8.2	22	2.8	6.3	60	<2.0	6.2	33	<2.0	4.0
12	28	4.1	7.4	7.6	<2.0	3.1	---	---	---	16	<2.0	2.6
13	21	4.4	6.9	8.1	<2.0	2.9	---	---	---	13	<2.0	4.2
14	17	3.7	5.8	63	<2.0	2.8	---	---	---	16	<2.0	2.9
15	36	2.9	5.5	17	<2.0	<2.0	---	---	---	14	<2.0	2.2
16	8.6	<2.0	4.0	11	<2.0	<2.0	---	---	---	---	---	---
17	8.0	<2.0	2.9	3.9	<2.0	<2.0	---	---	---	17	<2.0	2.8
18	13	<2.0	3.8	10	<2.0	<2.0	9.1	<2.0	2.3	26	<2.0	4.5
19	7.8	<2.0	3.5	7.7	<2.0	2.7	13	<2.0	2.6	33	<2.0	4.1
20	6.2	<2.0	2.6	16	<2.0	4.0	730	<2.0	7.0	59	<2.0	8.1
21	22	<2.0	3.3	31	2.4	7.0	60	<2.0	9.5	46	<2.0	11
22	26	<2.0	4.9	42	2.0	7.5	120	<2.0	10	48	5.2	14
23	43	3.8	8.4	59	2.9	10	88	<2.0	16	47	5.3	12
24	51	3.9	9.6	70	2.5	13	66	2.1	14	84	4.5	12
25	68	4.5	14	97	3.8	17	47	<2.0	7.5	39	4.0	10
26	87	5.6	15	74	3.5	15	39	<2.0	9.6	28	4.7	9.6
27	140	4.8	10	50	3.0	7.6	24	<2.0	5.8	21	4.9	9.2
28	54	4.6	12	28	<2.0	7.2	21	<2.0	3.3	12	<2.0	5.5
29	53	7.6	18	16	<2.0	5.0	8.2	<2.0	3.2	18	2.1	5.0
30	41	5.4	11	8.5	<2.0	2.6	6.2	<2.0	2.1	9.8	<2.0	3.6
31	27	3.2	7.7	---	---	---	---	---	---	7.5	<2.0	3.4
MAX	140	7.6	18	97	3.8	17	---	---	---	---	---	---
MIN	6.2	2.0	2.6	3.9	2.0	2.0	---	---	---	---	---	---

< Actual value is known to be less than the value shown

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	14	2.8	5.4	5.4	<2.0	3.1	28	3.9	6.1	25	11	16
2	18	2.7	6.5	8.9	<2.0	3.9	21	3.7	6.8	42	10	16
3	11	2.0	4.7	11	<2.0	4.0	32	4.3	8.9	37	11	19
4	17	<2.0	4.1	14	2.1	5.4	44	4.8	9.4	54	11	20
5	23	2.1	7.4	21	<2.0	8.4	60	5.3	14	47	10	18
6	28	2.9	8.7	29	3.0	9.8	100	7.1	15	58	9.9	18
7	35	5.0	9.1	44	2.6	12	46	6.1	12	34	8.8	14
8	34	3.1	9.2	69	4.8	16	69	7.4	12	46	9.1	14
9	34	3.4	8.5	48	3.9	14	30	8.0	12	27	8.7	13
10	19	3.0	7.4	40	2.8	8.9	600	6.1	9.8	25	6.9	13
11	14	3.1	7.3	23	3.0	8.1	27	5.9	8.8	18	7.2	11
12	17	3.9	6.4	12	2.3	6.0	20	6.4	8.9	21	5.6	11
13	20	2.2	6.0	11	<2.0	4.9	33	7.4	11	21	7.6	12
14	19	3.4	6.4	13	<2.0	3.7	24	6.3	12	22	6.7	12
15	21	2.5	5.8	10	<2.0	4.1	22	6.0	10	72	6.7	12
16	32	2.4	6.4	10	2.3	5.7	24	6.6	10	21	6.4	11
17	26	2.6	7.1	15	2.4	4.9	44	5.5	11	76	6.4	11
18	39	2.7	7.9	26	2.0	7.7	42	5.5	8.7	---	---	---
19	44	2.4	10	40	2.1	8.5	150	5.4	9.1	---	---	---
20	52	4.2	13	42	2.7	9.4	930	5.7	9.1	---	---	---
21	32	6.2	14	50	3.8	8.4	720	4.3	8.8	28	3.8	9.4
22	130	5.9	14	44	3.2	7.6	1100	6.3	13	26	4.8	12
23	26	5.3	11	24	2.0	6.8	430	5.1	10	27	5.2	11
24	21	5.3	9.1	14	<2.0	5.1	---	---	---	29	5.1	11
25	25	6.2	9.7	9.4	<2.0	4.2	---	---	---	17	5.6	10
26	26	5.4	12	8.4	<2.0	4.5	28	6.7	11	18	4.5	9.3
27	15	<2.0	5.6	12	2.6	4.5	220	9.8	13	18	5.1	9.9
28	12	<2.0	4.7	11	2.7	4.9	19	8.5	12	18	5.1	9.4
29	6.6	<2.0	3.1	16	2.9	4.6	23	8.1	12	18	6.5	9.0
30	---	---	---	9.9	3.0	4.9	20	7.6	13	520	5.7	9.8
31	---	---	---	14	2.7	4.8	---	---	---	37	4.8	11
MAX	130	6.2	14	69	4.8	16	---	---	---	---	---	---
MIN	6.6	2.0	3.1	5.4	2.0	3.1	---	---	---	---	---	---

< Actual value is known to be less than the value shown

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

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	35	5.7	10	53	9.7	24	---	---	---	530	8.0	16
2	59	5.5	11	51	11	21	---	---	---	>1100	7.4	15
3	30	6.3	14	50	12	20	---	---	---	31	7.3	12
4	72	5.3	11	55	8.1	18	---	---	---	24	7.6	12
5	50	6.3	11	43	8.2	18	230	6.8	17	28	7.1	12
6	970	5.7	14	36	8.1	16	19	7.1	12	39	7.8	16
7	110	4.0	10	44	8.1	16	18	6.1	11	30	8.1	13
8	270	3.9	9.1	94	9.9	20	16	5.7	9.1	17	5.7	9.0
9	21	4.3	8.4	25	7.0	12	17	4.2	7.5	14	3.9	8.0
10	17	5.0	8.4	170	8.4	13	12	2.1	6.5	24	4.9	8.9
11	15	4.8	7.6	20	8.0	12	23	2.9	7.3	26	5.9	9.6
12	16	4.0	7.0	22	7.8	11	31	4.2	9.0	24	6.1	9.5
13	730	3.1	8.8	25	8.3	12	24	4.9	9.2	26	6.9	12
14	38	6.3	15	52	16	27	25	5.6	11	22	7.9	12
15	24	6.9	11	200	44	95	32	5.9	12	25	7.1	13
16	19	5.5	8.2	410	140	260	20	5.2	10	35	6.8	15
17	18	4.8	7.5	740	280	520	41	5.9	9.5	29	6.2	14
18	21	4.4	7.5	1100	470	700	24	7.7	14	19	7.9	13
19	17	4.5	7.8	960	11	21	26	5.3	12	25	8.2	13
20	19	4.3	6.9	83	10	19	57	6.9	13	51	9.7	13
21	470	3.2	7.5	34	8.1	16	30	7.9	14	45	8.7	12
22	>1100	4.9	14	50	8.1	17	24	7.6	14	16	5.9	11
23	>1100	12	500	---	---	---	20	7.0	11	19	6.2	8.9
24	>1100	6.7	170	---	---	---	26	7.2	12	46	5.6	8.9
25	---	---	---	---	---	---	33	7.7	12	43	8.3	11
26	---	---	---	---	---	---	>1100	8.8	13	47	9.0	15
27	---	---	---	---	---	---	38	7.3	13	71	11	30
28	---	---	---	---	---	---	150	6.3	13	50	8.0	18
29	---	---	---	---	---	---	580	8.0	15	31	8.8	13
30	53	8.7	17	---	---	---	34	7.7	17	38	7.8	14
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	1100	11	30
MIN	---	---	---	---	---	---	---	---	---	14	3.9	8.0

> Actual value is known to be greater than the value shown

OGEECHEE RIVER BASIN
2004 Water Year

02203598 DARIEN RIVER AT US 17, AT DARIEN, GA

LOCATION.—Lat 31°22'02", long 81°26'11", referenced to North American Datum (NAD) of 1927, McIntosh County, Hydrologic Unit 03060204, on downstream side of bridge on US 17, 0.7 mile downstream of Cathead Creek.

DRAINAGE AREA.—Indeterminant.

COOPERATION.—Georgia Department of Transportation.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 5.00 feet below National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.44 feet, September 26; minimum gage-height recorded, 4.04 feet, March 7, 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 19, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.71	7.21	10.75	13.33	7.51	10.66	11.54	5.12	8.51	11.76	5.41	8.79
2	13.62	7.19	10.77	13.25	7.58	10.77	12.02	6.00	9.33	11.96	5.49	8.87
3	13.62	7.96	11.10	13.38	7.97	11.18	12.50	6.39	9.99	12.11	5.45	8.89
4	13.19	6.97	10.58	13.08	7.37	10.65	12.92	6.71	10.18	12.17	5.16	8.88
5	12.85	6.07	9.92	12.94	7.00	10.32	12.77	6.10	9.69	12.24	5.07	8.70
6	12.92	6.21	9.97	12.93	6.58	10.03	12.28	5.53	9.23	12.05	4.90	8.57
7	12.99	6.40	10.06	12.80	6.10	9.85	12.79	5.71	9.72	12.49	5.22	9.20
8	12.97	6.28	10.0	13.16	6.30	10.47	12.82	6.10	9.75	12.66	5.36	9.26
9	12.98	6.41	10.08	13.50	8.16	11.16	12.81	6.23	9.90	12.82	5.61	9.48
10	13.03	6.66	10.26	13.43	8.01	10.90	---	---	---	12.99	5.96	9.75
11	12.98	6.51	10.18	13.14	7.02	10.27	---	---	---	12.95	6.33	9.71
12	13.24	6.99	10.45	12.57	6.28	9.47	---	---	---	12.22	5.15	8.87
13	13.05	7.00	10.34	11.68	5.38	8.54	---	---	---	11.94	5.00	8.38
14	12.92	7.05	10.16	12.45	6.65	9.35	---	---	---	12.39	5.59	8.92
15	12.68	6.03	9.59	12.24	6.57	9.24	---	---	---	11.79	5.13	8.46
16	12.60	7.31	9.88	12.18	6.51	9.10	---	---	---	12.20	5.88	9.41
17	12.45	7.26	9.81	12.12	6.26	9.03	12.18	4.73	8.38	12.64	5.53	9.68
18	12.59	7.57	9.92	12.30	6.12	9.30	11.68	4.63	8.53	13.00	4.93	9.34
19	12.66	7.19	9.97	12.14	4.28	9.02	11.95	4.11	8.31	12.78	4.23	9.03
20	12.59	6.54	9.75	12.70	4.14	9.34	12.27	4.07	8.66	13.31	4.66	9.78
21	12.53	5.70	9.55	13.11	5.56	10.02	13.14	4.53	9.52	13.34	4.98	9.72
22	12.89	5.20	9.24	13.30	5.43	10.02	13.29	4.58	9.55	13.10	4.93	9.33
23	13.38	6.01	10.39	13.58	5.42	10.08	13.49	4.62	9.71	12.48	4.11	8.64
24	13.31	6.34	10.34	13.68	5.42	10.03	13.35	4.89	9.51	12.41	4.52	8.70
25	13.67	6.35	10.44	13.70	4.92	10.01	12.96	4.30	9.03	12.79	4.93	9.30
26	13.50	5.90	10.11	13.82	5.88	10.36	12.93	4.68	9.15	12.70	6.34	9.82
27	13.51	5.53	9.98	13.58	6.16	10.23	12.80	5.39	9.23	12.73	5.97	9.63
28	13.69	5.78	10.25	13.06	5.21	9.36	12.63	5.91	9.28	11.66	5.16	8.34
29	13.31	5.91	9.90	12.18	4.94	8.41	12.34	5.88	9.12	11.57	5.66	8.54
30	13.34	6.19	10.04	12.12	5.49	8.87	11.86	5.07	8.57	11.45	5.73	8.37
31	13.39	7.14	10.48	---	---	---	11.87	5.67	8.85	11.34	6.35	9.04
MONTH	13.71	5.20	10.14	13.82	4.14	9.87	---	---	---	13.34	4.11	9.08

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

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.69	7.52	10.37	11.77	5.95	8.96	11.93	5.37	8.88	12.31	5.20	9.17
2	13.05	6.95	10.47	11.56	5.19	8.52	11.99	4.58	8.67	12.66	4.96	9.33
3	12.36	5.90	9.11	11.73	5.06	8.43	12.58	4.92	9.28	12.87	4.15	9.06
4	12.41	5.07	8.92	12.09	4.97	8.74	12.74	4.52	8.98	13.45	4.82	9.80
5	12.76	5.44	9.52	12.41	4.84	8.89	13.07	4.99	9.67	13.49	4.83	9.72
6	12.88	5.66	9.58	12.46	4.34	8.59	13.32	5.17	9.52	13.42	4.49	9.42
7	12.05	4.29	8.36	12.50	4.04	8.57	13.09	4.70	9.37	13.26	4.87	9.37
8	12.59	4.08	8.69	12.68	4.04	8.72	12.98	4.61	9.11	13.26	5.17	9.41
9	12.71	5.34	9.23	13.03	4.84	9.39	12.98	5.41	9.32	13.11	5.74	9.60
10	12.39	4.87	8.93	12.96	5.84	9.75	13.06	5.71	9.53	13.01	6.04	9.66
11	12.26	4.96	8.72	13.01	5.35	9.60	---	---	---	12.85	6.07	9.60
12	12.46	6.07	9.36	12.76	5.02	9.00	---	---	---	12.53	5.89	9.53
13	12.68	5.95	9.41	12.54	5.81	9.35	---	---	---	12.41	5.58	9.45
14	12.68	6.24	9.68	12.86	5.78	9.50	---	---	---	12.46	5.22	9.40
15	12.79	4.97	9.59	12.62	5.26	9.24	---	---	---	12.58	5.18	9.32
16	12.98	5.24	9.91	12.62	5.11	9.32	12.40	4.91	9.02	12.59	5.20	9.21
17	13.30	6.37	10.15	12.53	4.99	9.22	12.44	4.82	8.94	12.64	5.23	9.19
18	13.07	5.13	9.69	12.96	5.03	9.65	12.42	4.42	8.68	12.59	5.04	9.10
19	13.12	4.99	9.60	12.81	5.02	9.37	12.33	4.19	8.49	12.51	5.16	9.03
20	13.14	4.90	9.54	13.08	5.59	9.93	12.26	4.08	8.18	12.23	4.95	8.73
21	12.70	4.73	9.15	12.68	4.72	9.29	12.33	4.60	8.46	12.11	4.95	8.50
22	12.75	4.98	9.37	12.94	5.56	9.76	12.11	4.97	8.52	11.97	5.22	8.49
23	12.84	5.75	9.68	12.78	6.07	9.84	11.73	5.10	8.34	11.85	5.40	8.51
24	12.82	6.12	9.92	12.54	5.64	9.39	11.69	5.21	8.23	11.75	5.49	8.47
25	13.37	7.91	11.08	12.46	5.66	9.02	11.69	5.72	8.57	11.65	5.52	8.31
26	14.11	8.13	11.27	12.22	5.59	8.75	11.66	6.08	8.61	11.47	5.36	8.30
27	12.61	7.03	9.84	11.85	6.04	8.73	11.29	5.89	8.64	11.23	5.02	8.28
28	12.39	7.56	10.12	11.65	6.36	8.76	11.55	6.43	9.19	11.36	4.82	8.34
29	12.29	6.77	9.50	12.40	7.61	9.91	12.23	6.21	9.31	12.19	5.00	8.74
30	---	---	---	12.37	7.23	9.87	12.07	5.56	9.28	12.71	5.25	9.49
31	---	---	---	12.28	5.79	9.58	---	---	---	12.84	4.41	9.20
MONTH	14.11	4.08	9.61	13.08	4.04	9.21	---	---	---	13.49	4.15	9.09

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

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.11	4.22	9.11	13.46	4.73	9.60	13.47	4.97	9.85	12.58	4.80	9.15
2	13.44	4.36	9.34	13.48	4.69	9.59	13.49	5.57	9.97	12.70	5.26	9.48
3	13.33	4.36	9.38	13.50	4.87	9.63	13.13	6.18	10.11	12.99	6.65	10.12
4	13.27	4.05	9.07	13.34	5.02	9.61	13.05	5.95	9.85	12.91	6.87	10.28
5	13.21	4.45	9.10	13.21	5.41	9.62	12.71	5.88	9.66	13.40	8.35	11.24
6	13.08	5.18	9.30	13.12	5.76	9.67	12.78	5.76	9.84	---	---	---
7	13.08	5.51	9.38	12.99	6.11	9.83	13.09	7.38	10.59	---	---	---
8	12.89	5.80	9.51	12.75	5.82	9.71	12.64	6.91	10.03	---	---	---
9	12.70	---	9.85	12.50	5.64	9.44	12.46	6.57	9.68	---	---	---
10	12.56	5.76	9.57	12.56	5.73	9.53	12.32	6.40	9.51	---	---	---
11	12.38	5.28	9.19	12.72	6.02	9.71	12.19	6.10	9.28	---	---	---
12	12.48	5.13	9.07	12.57	5.99	9.54	12.33	5.51	9.05	---	---	---
13	12.99	6.54	10.14	12.35	5.52	9.09	12.13	4.98	8.60	---	---	---
14	12.82	6.22	9.82	12.24	5.08	8.76	12.27	5.39	8.97	13.57	8.16	11.12
15	12.68	5.80	9.54	12.14	4.90	8.59	12.45	4.97	8.76	---	---	---
16	12.44	5.54	9.09	12.83	5.51	9.01	12.68	5.16	9.04	13.08	7.33	10.59
17	12.43	5.39	8.98	12.47	5.56	9.31	12.59	5.69	9.30	12.61	6.04	9.84
18	12.37	5.31	8.83	12.46	4.89	8.86	12.62	5.57	9.30	12.85	5.49	9.57
19	12.47	5.51	8.87	12.56	5.32	9.02	12.41	5.48	9.21	13.20	6.39	10.28
20	12.84	5.96	9.52	12.49	5.74	9.17	12.15	5.25	9.03	13.98	8.22	11.38
21	12.73	7.04	9.96	12.46	5.61	9.23	12.04	5.09	8.66	14.08	8.79	11.58
22	12.73	6.05	9.35	12.39	5.76	9.31	12.17	4.86	8.61	13.61	8.09	11.15
23	12.09	5.18	8.57	12.33	5.87	9.24	12.56	5.44	9.22	13.11	6.84	10.38
24	11.78	5.34	8.51	12.30	5.65	9.19	12.88	5.88	9.72	13.54	6.76	10.66
25	11.78	5.48	8.73	12.35	5.50	9.16	13.07	6.08	9.98	13.96	7.96	11.30
26	11.77	5.02	8.64	12.53	5.28	9.48	13.05	5.32	9.77	14.44	8.48	11.82
27	12.38	5.09	9.00	12.80	5.27	9.35	13.23	5.15	9.76	13.98	8.18	11.66
28	12.54	4.83	8.98	12.99	4.82	9.33	13.62	5.75	10.15	12.80	4.96	9.57
29	12.91	4.43	9.06	13.06	4.71	9.34	12.95	4.91	9.81	12.99	5.03	9.59
30	13.29	4.57	9.38	13.46	4.76	9.61	12.81	4.52	9.18	13.12	5.49	9.92
31	---	---	---	13.64	5.38	9.99	12.68	4.74	9.09	---	---	---
MONTH	13.44	---	9.23	13.64	4.69	9.37	13.62	4.52	9.47	---	---	---

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

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	0.00
17	---	---	---	---	---	---	---	---	---	---	---	0.01
18	---	---	---	---	---	---	---	---	---	---	---	0.00
19	---	---	---	---	---	---	---	---	---	---	---	0.00
20	---	---	---	---	---	---	---	---	---	---	---	0.00
21	---	---	---	---	---	---	---	---	---	---	---	0.01
22	---	---	---	---	---	---	---	---	---	---	---	0.02
23	---	---	---	---	---	---	---	---	---	---	---	0.00
24	---	---	---	---	---	---	---	---	---	---	---	0.00
25	---	---	---	---	---	---	---	---	---	---	---	0.02
26	---	---	---	---	---	---	---	---	---	---	---	0.54
27	---	---	---	---	---	---	---	---	---	---	---	0.12
28	---	---	---	---	---	---	---	---	---	---	---	0.00
29	---	---	---	---	---	---	---	---	---	---	---	0.00
30	---	---	---	---	---	---	---	---	---	---	---	0.00
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---

ALTAMAHA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°41'02", long 84°24'55", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at bridge on Springdale Road, 0.2 miles north of Cleveland Avenue, 0.3 miles west of Interstate 85, and 0.9 miles south of Interstate 285.

DRAINAGE AREA.—2.25 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 27, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
21...	1010	9	9	81345	3.48	1.7	7.7	--	9.8	--	4.7	321	16.0
21...	1030	9	9	81345	3.48	1.7	8.3	--	9.8	--	4.7	344	16.0
JAN													
13...	0900	9	9	81345	3.52	1.9	13	--	12.8	--	5.8	282	8.0
13...	0910	9	9	81345	3.52	1.9	12	--	12.4	--	5.8	281	8.0
27...	1500	9	9	81345	3.54	2.5	10	739	11.0	97	6.6	236	8.5
27...	1515	9	9	81345	3.54	2.5	10	739	11.1	98	6.5	235	8.5
FEB													
11...	1530	9	9	81345	--	2.2	11	745	11.2	100	5.2	300	9.5
11...	1545	9	9	81345	--	2.2	11	745	11.2	100	5.2	301	9.5
MAR													
11...	0930	9	9	81345	3.49	1.6	15	749	11.6	105	5.3	305	10.0
11...	0945	9	9	81345	3.49	1.6	14	749	11.6	103	5.3	302	9.5
30...	1015	9	J	81345	3.73	7.6	60	747	9.5	97	6.7	103	15.5
30...	1030	9	J	81345	3.73	7.6	60	747	9.5	98	6.7	104	16.0
APR													
13...	0745	9	J	81345	3.82	8.3	60	735	9.4	97	7.2	108	15.0
13...	0815	9	J	81345	3.82	8.3	60	735	9.4	97	7.5	107	15.0
MAY													
12...	1300	9	9	81345	3.43	1.2	6.1	749	8.8	100	6.2	317	20.5
12...	1315	9	9	81345	3.43	1.2	5.2	749	8.8	100	6.2	312	20.5
26...	1055	9	9	81345	3.43	1.7	7.1	747	8.8	105	4.8	421	23.0
26...	1100	9	9	81345	3.43	1.7	7.3	747	8.8	105	4.8	419	23.0
JUN													
22...	1010	9	J	81345	3.46	2.7	20	745	8.3	100	7.0	214	23.5
22...	1015	9	J	81345	3.46	2.7	22	745	8.3	100	7.0	215	23.5
JUL													
20...	0825	9	9	81345	3.37	1.3	7.0	744	8.7	102	4.7	338	22.0
20...	0830	9	9	81345	3.37	1.3	7.0	744	8.7	102	4.7	338	22.0
AUG													
09...	1010	9	9	81345	3.30	1.2	7.8	752	9.3	106	4.8	300	21.0
09...	1015	9	9	81345	3.30	1.2	9.2	752	9.3	106	4.8	309	21.0
SEP													
21...	0945	9	9	81345	3.44	2.4	2.6	--	9.1	--	7.0	179	18.0
27...	1255	9	J	81345	4.31	--	89	735	7.2	82	4.7	343	20.0
27...	1355	9	J	81345	4.56	--	200	735	8.2	95	5.0	224	20.5
27...	1525	9	J	81345	5.82	--	260	735	8.8	101	7.2	43	20.5
27...	1744	9	J	81345	6.11	--	260	735	9.0	103	7.0	37	20.0
27...	1850	9	J	81345	6.87	--	350	735	9.0	103	6.9	30	20.0

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Hard-ness, water, mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
OCT													
21...	87	88	22.1	7.74	4.76	.6	12.5	23	-.4	.1	14.1	19.9	18.0
21...	70	--	17.8	6.29	3.79	.5	9.97	22	<1.0	.1	14.2	16.1	15.9
JAN													
13...	42	--	12.5	2.68	2.62	.5	7.72	27	42.8	.2	9.11	18.6	7.2
13...	42	--	12.4	2.69	2.59	.5	7.49	27	42.4	.1	9.15	18.7	7.2
27...	39	5	10.7	3.02	2.93	.4	5.84	23	34.4	M	8.17	14.9	7.8
27...	41	6	10.9	3.18	2.87	.4	5.81	22	35.0	M	8.47	15.5	7.9
FEB													
11...	79	79	20.1	7.00	4.32	.6	12.0	24	.2	.1	11.6	17.8	25.2
11...	80	81	20.5	7.05	4.36	.6	12.1	23	-.3	<.02	11.6	17.5	23.1
MAR													
11...	84	84	21.4	7.41	4.18	.7	15.3	27	.0	<.02	18.5	9.98	26.1
11...	84	84	21.3	7.49	4.07	.7	15.0	27	.2	.1	18.6	15.1	26.3
30...	29	19	8.97	1.67	2.51	.4	4.54	23	10.0	.2	3.53	4.85	24.2
30...	27	17	8.45	1.51	2.58	.4	4.87	26	10.4	.2	3.59	4.58	24.0
APR													
13...	30	11	9.15	1.68	2.53	.5	5.88	28	18.9	.3	3.15	5.57	20.2
13...	32	12	9.72	1.75	2.58	.5	6.73	30	19.4	.2	2.91	5.55	19.2
MAY													
12...	74	66	18.7	6.63	4.48	.9	17.8	33	8.0	.3	14.3	18.6	65.8
12...	80	72	20.4	6.98	4.89	1	19.7	33	7.5	.3d	13.7d	19.6	86.2d
26...	94	95	24.9	7.71	5.61	2	33.5	42	-.9	.2d	13.3d	24.5	168d
26...	76	77	20.2	6.17	5.40	2	31.2	45	-1.1	.1d	13.2d	19.0	166d
JUN													
22...	55	30	15.1	4.14	3.88	.9	15.1	35	24.4	.1	6.8	12.9	54.6
22...	53	29	14.9	3.84	3.97	1	16.3	38	24.3	.1	6.8	12.2	54.6
JUL													
20...	79	--	20.1	7.03	3.75	.6	11.5	23	<1.0	.1	12.2	18.3	106
20...	82	--	21.1	7.04	3.95	.6	12.3	24	<1.1	.1	12.3	18.8	107
AUG													
09...	82	--	21.1	6.98	4.13	.6	11.6	23	<.8	.1	11.5	19.8	90.6
09...	83	--	21.5	7.08	4.09	.6	11.6	22	<1.0	.1	11.5	19.2	91.2
SEP													
21...	--	--	--	--	--	--	--	--	32.7	.1	10.1	--	28.6
27...	--	--	--	--	--	--	--	--	-.7	.2	9.57	--	94.0
27...	--	--	--	--	--	--	--	--	-.1	.2	9.51	--	97.6
27...	--	--	--	--	--	--	--	--	13.2	.1	.97	--	7.1
27...	--	--	--	--	--	--	--	--	11.4	M	.72	--	4.5
27...	--	--	--	--	--	--	--	--	8.5	M	.62	--	3.8

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
OCT													
21...	115	.16	.27	.212	1.84	<.020	<.100	<.10	2.22	--	--	--	71.2
21...	--	--	.28	.214	1.87	<.020	<.100	<.10	2.14	27	<.0k	3690	65.3
JAN													
13...	91	.12	1.32	1.02	.77	<.020	<.100	.42	2.45	60	<3k	120	41.7
13...	91	.12	1.32	1.02	.75	<.020	<.100	<.10	2.89	--	--	--	39.5
27...	78	.11	.25	.193	.82	<.020	<.100	<.10	2.17	22	3k	41	52.4
27...	80	.11	.24	.187	.84	<.020	<.100	<.10	2.10	--	--	--	44.5
FEB													
11...	110	.15	.54	.423	1.58	<.020	<.100	<.10	2.32	10	<1	26	54.5
11...	108	.15	.55	.427	1.60	<.020	<.100	<.10	2.29	--	--	--	48.0
MAR													
11...	111	.15	1.02	.790	1.34	<.020	<.100	<.10	2.47	<2	<2k	140	12.3
11...	117	.16	1.04	.810	1.33	<.020	<.100	<.10	2.56	--	--	--	40.8
30...	60	.08	.40	.310	.63	.040	<.100	<.10	.98	8800	1800k	28000	34.1
30...	60	.08	.36	.280	.63	.040	<.100	<.10	.73	--	--	--	29.7
APR													
13...	63	.09	.05	.039	.60	<.020	<.100	<.10	.88	3600	2500	120000	38.7
13...	63	.09	.05	.042	.55	<.020	<.100	<.10	.99	--	--	--	47.8
MAY													
12...	160	.22	1.86	1.45	.95	.030	<.100	<.10	2.66	10	4k	4600	47.0
12...	184	.25	1.86	1.45	.90d	<.100d	<.100	<.10	2.46	--	--	--	51.0
26...	291	.40	.32	.245	1.62d	<.100d	<.100	<.10	1.52	--	--	--	70.2
26...	274	.37	.34	.261	1.62d	<.100d	<.100	<.10	1.70	20	<1k	850	45.1
JUN													
22...	132	.18	.04	.030	.86	<.010	<.050	<.050	1.24	--	--	--	--
22...	132	.18	.04	.030	.86	<.010	<.050	<.050	--	4700	12000	460000	--
JUL													
20...	--	--	.33	.260	1.40	<.010	<.050	<.050	--	--	--	--	--
20...	--	--	.33	.260	1.40	<.010	<.050	<.050	--	66	<1k	12000	--
AUG													
09...	--	--	--	--	1.36	<.010	--	--	--	--	--	--	--
09...	--	--	--	--	1.26	<.010	--	--	--	76	<1k	733	--
SEP													
21...	--	--	.09	.070	.95	<.020	<.100	<.10	--	310	600	39000	--
27...	--	--	.49	.380	1.00	<.020	<.100	<.10	--	2300	73	45700	--
27...	--	--	.50	.390	.82	.080	<.100	<.10	--	4900	410	86200	--
27...	--	--	--	<.020	.23	.020	<.100	<.10	--	11000	27000	1160000	--
27...	--	--	--	<.020	.23	<.020	<.100	<.10	--	14000	35000	744000	--
27...	--	--	--	<.020	.26	<.020	<.100	<.10	--	23000	57000	1270000	--

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT		
21...	180	100
21...	160	80
JAN		
13...	110	60
13...	120	60
27...	<100	60
27...	<100	60
FEB		
11...	320	90
11...	320	90
MAR		
11...	200	100
11...	250	100
30...	<100	40
30...	<100	40
APR		
13...	<100	40
13...	<100	40
MAY		
12...	270	90
12...	310	100
26...	250	120
26...	190	100
JUN		
22...	<50	70
22...	<50	70
JUL		
20...	170	90
20...	160	100
AUG		
09...	190	100
09...	180	100
SEP		
21...	--	--
27...	--	--
27...	--	--
27...	--	--
27...	--	--
27...	--	--

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
21...	1011	9	80020	3.48	1.7	7.7	--	9.8	4.7	321	16.0	5470d	4.41
21...	1031	9	80020	3.48	1.7	8.3	--	9.8	4.7	344	16.0	5340d	4.49
JAN													
13...	0901	9	80020	3.52	1.9	13	--	12.8	5.8	282	8.0	816	2.68
13...	0911	9	80020	3.52	1.9	12	--	12.4	5.8	281	8.0	758	2.74
27...	1501	9	80020	3.54	2.5	10	739	11.0	6.6	236	8.5	25	2.22
27...	1516	9	80020	3.54	2.5	10	739	11.1	6.5	235	8.5	30	2.12
FEB													
11...	1531	9	80020	--	2.2	11	745	11.2	5.2	300	9.5	1940d	3.33
11...	1546	9	80020	--	2.2	11	745	11.2	5.2	301	9.5	2130d	3.45
MAR													
11...	0931	9	80020	3.49	1.6	15	749	11.6	5.3	305	10.0	1900d	3.26
11...	0946	9	80020	3.49	1.6	14	749	11.6	5.3	302	9.5	1780d	3.11
30...	1016	J	80020	3.73	7.6	60	747	9.5	6.7	103	15.5	53	1.12
30...	1031	J	80020	3.73	7.6	60	747	9.5	6.7	104	16.0	60	1.13
APR													
13...	0746	J	80020	3.82	8.3	60	735	9.4	7.2	108	15.0	48	.44
13...	0816	J	80020	3.82	8.3	60	735	9.4	7.5	107	15.0	44	.45
MAY													
12...	1301	9	80020	3.43	1.2	6.1	749	8.8	6.2	317	20.5	134	4.21
12...	1316	9	80020	3.43	1.2	5.2	749	8.8	6.2	312	20.5	162	4.42
26...	1056	9	80020	3.43	1.7	7.1	747	8.8	4.8	421	23.0	4110d	9.75
26...	1101	9	80020	3.43	1.7	7.3	747	8.8	4.8	419	23.0	3840d	10.1
JUN													
22...	1011	J	80020	3.46	2.7	20	745	8.3	7.0	214	23.5	36	1.90
22...	1016	J	80020	3.46	2.7	22	745	8.3	7.0	215	23.5	37	1.90
JUL													
20...	0826	9	80020	3.37	1.3	7.0	744	8.7	4.7	338	22.0	6030d	4.11
20...	0831	9	80020	3.37	1.3	7.0	744	8.7	4.7	338	22.0	6550d	4.00
AUG													
09...	1011	9	80020	3.30	1.2	7.8	752	9.3	4.8	300	21.0	3860d	3.97
09...	1016	9	80020	3.30	1.2	9.2	752	9.3	4.8	309	21.0	3970d	3.93
SEP													
21...	0946	9	80020	3.44	2.4	2.6	--	9.1	7.0	179	18.0	22	.46
27...	1256	J	80020	4.31	--	89	735	7.2	4.7	343	20.0	3630d	.70
27...	1356	J	80020	4.56	--	200	735	8.2	5.0	224	20.5	5960d	.35
27...	1526	J	80020	5.82	--	260	735	8.8	7.2	43	20.5	48	.13
27...	1745	J	80020	6.11	--	260	735	9.0	7.0	37	20.0	58	.09
27...	1851	J	80020	6.87	--	350	735	9.0	6.9	30	20.0	63	.07

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
21...	<.8	158	12.3	2170d	24.9	<.2	1620d
21...	<.8	159	13.1	1720d	25.1	<.2	1710
JAN							
13...	<.8	84.6	1.95	1620d	14.5	<.2	1080d
13...	<.8	88.7	1.73	1500d	15.4	<.2	1260d
27...	<.8	17.8	.15	943	9.62	<.2	756
27...	<.8	20.0	.19	933	9.80	<.2	722
FEB							
11...	<.8	123	4.83	1610d	18.6	<.2	1310d
11...	<.8	126	4.76	1660d	18.6	<.2	1300d
MAR							
11...	<.8	118	4.36	1620d	17.8	<.2	1310d
11...	<.8	115	4.14	1570d	17.1	<.2	1300d
30...	<.8	14.0	.90	262	3.90	<.2	229
30...	<.8	14.1	1.06	265	3.94	<.2	230
APR							
13...	E.5n	6.8	.92	158	2.43	<.2	103
13...	E.5n	6.7	.93	162	2.27	<.2	105
MAY							
12...	<.8	56.8	2.81	1370d	17.9	<.2	1130
12...	<.8	61.6	3.21	1440d	18.8	<.2	1180
26...	E.4n	130	14.8	1940d	25.9	<.2	1580d
26...	E.4n	126	14.1	1960d	24.6	<.2	1510d
JUN							
22...	<.8	4.8	.24	412	4.30	<.2	169
22...	<.8	4.8	.26	418	4.22	<.2	173
JUL							
20...	<.8	143	11.0	1980d	24.3	<.2	1450d
20...	<.8	141	11.1	2170d	24.0	<.2	1600d
AUG							
09...	<.8	119	12.7	1800d	19.8	<.2	1440d
09...	<.8	123	13.1	1750d	21.6	<.2	1520d
SEP							
21...	<.8	3.9	E.05n	322	2.77	<.2	174
27...	<.8	95.9	4.92	1710d	19.3	<.2	1240d
27...	E.6n	96.1	6.29	1680d	20.6	<.2	1330d
27...	<.8	4.1	.64	64.3	1.03	<.2	15.5
27...	.9	3.9	.67	36.6	.82	<.2	16.3
27...	<.8	3.3	.56	29.6	.71	<.2	15.8

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)
OCT													
21...	1031	80020	3.48	1.7	8.3	--	9.8	--	4.7	344	16.0	<.5	<.5
JAN													
13...	0901	80020	3.52	1.9	13	--	12.8	--	5.8	282	8.0	E.1	<.5
27...	1501	80020	3.54	2.5	10	739	11.0	97	6.6	236	8.5	<.5	E.1
FEB													
11...	1531	80020	--	2.2	11	745	11.2	100	5.2	300	9.5	<.5	M
MAR													
11...	0931	80020	3.49	1.6	15	749	11.6	105	5.3	305	10.0	<.5	M
30...	1016	80020	3.73	7.6	60	747	9.5	97	6.7	103	15.5	<.5	E.2
APR													
13...	0746	80020	3.82	8.3	60	735	9.4	97	7.2	108	15.0	<.5	E.1
MAY													
12...	1301	80020	3.43	1.2	6.1	749	8.8	100	6.2	317	20.5	<.5	<.5
26...	1101	80020	3.43	1.7	7.3	747	8.8	105	4.8	419	23.0	<.5	<.5
JUN													
22...	1016	80020	3.46	2.7	22	745	8.3	100	7.0	215	23.5	<.5	M
JUL													
20...	0831	80020	3.37	1.3	7.0	744	8.7	102	4.7	338	22.0	<.5	<.5
AUG													
09...	1016	80020	3.30	1.2	9.2	752	9.3	106	4.8	309	21.0	<.5	<.5
SEP													
21...	0946	80020	3.44	2.4	2.6	--	9.1	--	7.0	179	18.0	<.5	<.5
27...	1256	80020	4.31	--	89	735	7.2	82	4.7	343	20.0	<.5	<.5
27...	1356	80020	4.56	--	200	735	8.2	95	5.0	224	20.5	<.5	Mt
27...	1526	80020	5.82	--	260	735	8.8	101	7.2	43	20.5	<.5	E.1t
27...	1745	80020	6.11	--	260	735	9.0	103	7.0	37	20.0	<.5	E.1t
27...	1851	80020	6.87	--	350	735	9.0	103	6.9	30	20.0	Mt	E.1t

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
21...	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	E.1
JAN													
13...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	M	E.1	<.5	E.2
27...	E.2	E.2	M	M	<5	<1	<1	E2	<1	<2	E.1	E.1	M
FEB													
11...	M	M	M	M	<5	M	<1	E2	<1	<2	<.5	E.1	E.1
MAR													
11...	M	M	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5
30...	E.2	E.2	<2	M	<5	M	<1	E3	<1	<2	E1.2	E.5	E.1
APR													
13...	E.1	E.1	<2	M	<5	<1	<1	E2	<1	<2	E.2	E.2	<.5
MAY													
12...	<.5	<.5	M	M	<5	M	<1	E2	M	6	E.2	E.3	E.1
26...	<.5	<.5	<2	M	<5	<1	<1	E2	<1	M	E.1	<.5	<.5
JUN													
22...	M	E.1	E1	M	<5	<1	<1	E2	<1	<2	E.2	<.5	M
JUL													
20...	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1t
AUG													
09...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5
SEP													
21...	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	<.5	E.1t	Mt
27...	<.5	<.5	Mt	Mt	<5	<1	<1	<5	<1	<2	E.2t	<.5	<.5
27...	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	E.4t	<.5	<.5
27...	E.1t	E.1t	<2	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5	<.5
27...	<.5	E.1t	Mt	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5	<.5
27...	<.5	E.1t	Mt	Mt	<5	<1	<1	<5	<1	<2	E.1t	<.5	<.5

Date	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)
OCT													
21...	<.5	<.5	<.5	<2	<2	<1	1.7	E.1	<.5	<1	<.5	<.5	<2
JAN													
13...	M	<.5	<.5	<2	<2	M	.8	2.3	E.1	<1	<.5	<.5	<2
27...	M	<.5	<.5	<2	<2	M	.9	.6	<.5	<1	M	<.5	M
FEB													
11...	M	<.5	E.1	<2	<2	M	1.2	.7	M	<1	M	<.5	M
MAR													
11...	M	<.5	M	<2	<2	<1	.9	1.0	M	<1	<.5	<.5	<2
30...	M	<.5	<.5	<2	<2	E1	2.8	E2.1	E.1	M	E.2	<.5	<2
APR													
13...	E.1	<.5	E.1	<2	<2	<1	3.5	E.5	E.1	M	E.1	<.5	<2
MAY													
12...	E.1	<.5	E.1	<2	<2	1	1.5	2.1	E.1	<1	E.1	<.5	E1
26...	<.5	<.5	E.1	<2	<2	M	1.2	E.2	E.1	<1	<.5	<.5	<2
JUN													
22...	E.1	<.5	E.1	<2	E1	2	1.8	E.3	M	M	E.1	<.5	E2
JUL													
20...	E.1t	<.5	<.5	<2	<2	Mt	1.3	E.1t	Mt	<1	<.5	<.5	<2
AUG													
09...	<.5	<.5	<.5	<2	<2	Mt	.9	<.5	<.5	<1	<.5	<.5	<2
SEP													
21...	Mt	<.5	Mt	<2	<2	Mt	.8	E.3t	Mt	<1	<.5	<.5	<2
27...	<.5	<.5	<.5	Mt	Mt	<1	.9	1.6	E.1t	<1	<.5	<.5	Mt
27...	<.5	<.5	<.5	<2	<2	Mt	.7	3.5	<.5	<1	<.5	<.5	Mt
27...	<.5	<.5	<.5	<2	<2	<1	<.5	E.3t	<.5	Mt	Mt	<.5	Mt
27...	Mt	<.5	<.5	Mt	Mt	<1	E.3t	E.1t	Mt	Mt	Mt	<.5	E1t
27...	Mt	<.5	<.5	E1t	E1t	<1	<.5	E.1t	<.5	Mt	<.5	<.5	E2t

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
21...	<1.00	E.2	<.5	E2	M	<.5	M	<.5	E.1	<.5	<.5	<.5	<.5
JAN													
13...	E.1600	E.1	<.5	<5	<1	<.5	<1	M	E.1	E.1	E.1	<.5	<.5
27...	<1.00	E.2	<.5	E3	M	<.5	<1	E.1	E.1	<.5	<.5	M	<.5
FEB													
11...	<1.00	E.1	<.5	E2	M	<.5	M	M	E.1	<.5	<.5	<.5	<.5
MAR													
11...	<1.00	M	<.5	<5	<1	<.5	<1	M	M	M	M	<.5	<.5
30...	<1.00	E.3	<.5	E14	M	<.5	E1	E.1	M	E.1	<.5	E.2	<.5
APR													
13...	<1.00	E.2	<.5	E2	<1	<.5	<1	E.1	<.5	<.5	<.5	E.1	<.5
MAY													
12...	E.4000	E.2	<.5	E5	<1	<.5	M	E.1	E.1	E.1	E.1	<.5	<.5
26...	<1.00	E.2	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5
JUN													
22...	<1.00	E.3	E.1	E7	M	<.5	M	E.1	<.5	<.5	<.5	E.1	<.5
JUL													
20...	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	E.1t	E.1t	<.5	<.5	<.5
AUG													
09...	<1.00	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
SEP													
21...	E.2000t	E.4t	<.5	<5	<1	<.5	<1	Mt	Mt	Mt	<.5	<.5	<.5
27...	<1.00	E.4t	<.5	<5	<1	Mt	<1	Mt	<.5	Mt	<.5	<.5	<.5
27...	<1.00	E.5t	<.5	<5	<1	E.3n	<1	Mt	<.5	<.5	<.5	<.5	<.5
27...	<1.00	E.2t	<.5	<5	Mt	<.5	<1	E.1t	<.5	<.5	<.5	E.1t	<.5
27...	<1.00	E.2t	<.5	<5	Mt	E.1n	<1	E.1t	<.5	<.5	<.5	E.1t	<.5
27...	<1.00	E.2t	<.5	<5	<1	<.5	<1	E.1t	<.5	<.5	<.5	E.1t	<.5

Date	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
21...	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.4	<.5	<.5	E.6
JAN													
13...	<.5	E.5	<.5	<.5	<.5	<.5	1	<2	M	E.4	<.5	M	E.4
27...	<.5	E.1	<.5	<.5	<.5	E.1	M	M	E.2	1.8	<.5	M	E.3
FEB													
11...	<.5	E.2	<.5	M	<.5	E.1	M	<2	M	2.2	<.5	M	E.4
MAR													
11...	<.5	E.4	<.5	M	<.5	E.1	M	<2	M	.5	<.5	E.1	E.3
30...	<.5	E.3	<.5	<.5	<.5	E.1	M	E4	E.3	E1.1	<.5	E.1	E.1
APR													
13...	<.5	E.2	<.5	M	<.5	E.1	M	E1	E.2	1.1	<.5	E.1	E.1
MAY													
12...	<.5	.6	<.5	E.1	<.5	<.5	M	M	E.1	1.2	<.5	E.1	E.4
26...	<.5	<.5	<.5	E.1	<.5	<.5	M	<2	E.1	.9	<.5	M	E.5
JUN													
22...	<.5	E.1	<.5	<.5	<.5	M	M	E1	E.1	.8	<.5	E.1	E.2
JUL													
20...	<.5	<.5	<.5	E.1t	<.5	<.5	Mt	<2	Mt	1.0	<.5	<.5	E.4t
AUG													
09...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	<2	<.5	.9	<.5	<.5	E.4t
SEP													
21...	<.5	E.1t	<.5	Mt	<.5	<.5	Mt	Mt	M	E.4t	<.5	Mt	E.4t
27...	<.5	<.5	<.5	E.1t	<.5	<.5	Mt	<2	Mt	1.2	<.5	<.5	E.1t
27...	<.5	<.5	<.5	E.1t	<.5	<.5	1	<2	E.1t	4.0	<.5	Mt	Mt
27...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	E.1t	1.2	<.5	E.1t	<.5
27...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	E1t	E.1t	2.1	<.5	E.1t	<.5
27...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	E1t	E.1t	1.1	<.5	E.1t	Mt

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT									
21...	<.5	<.5	<1	<.5	E.1	E1.6	E.3	E.2	<1.00
JAN									
13...	E.1	E.1	M	E.1	E.1	.6	E.2	E.1	<1.00
27...	<.5	E.2	M	<.5	E.2	1.2	.8	E.2	<1.00
FEB									
11...	<.5	E.1	M	E.1	E.1	.8	E.4	E.1	<1.00
MAR									
11...	M	E.1	M	<.5	M	.8	E.1	E.1	<1.00
30...	M	E.7	M	<.5	E.3	6.9	E.9	E.7	<1.00
APR									
13...	M	E.4	<1	<.5	E.3	1.8	1.2	.5	<1.00
MAY									
12...	E.1	E.2	M	E.2	E.2	1.1	E.4	E.3	<1.00
26...	E.1	E.2	<1	<.5	E.3	E.4	.5	E.2	<1.00
JUN									
22...	<.5	1.0	<1	<.5	.9	.8	1.0	E.5	<1.00
JUL									
20...	Mt	<.5	<1	<.5	<.5	E6.2	E.2t	E.2t	--u
AUG									
09...	<.5	<.5	<1	<.5	<.5	.7	<.5	E.2t	.00
SEP									
21...	Mt	<.5	Mt	E.1t	E.1n	E.2t	E.1t	E.1t	--u
27...	E.4t	<.5	<1	<.5	E.1n	1.1	E.1t	E.1t	<1.00
27...	E.4t	<.5	Mt	<.5	E.2n	4.2	.7	E.4t	<1.00
27...	<.5	.5	<1	<.5	1.0	<.5	.6	E.5t	<1.00
27...	<.5	E.3t	<1	<.5	E.2n	<.5	.6	E.5t	<1.00
27...	<.5	1.0	<1	<.5	E.1n	E.3t	E.4t	E.4t	<1.00

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
21...	1030	1	9	81350	3.48	1.7	7.7	--	9.8	--	4.7	321	16.0
JAN													
13...	0912	1	9	81350	3.52	1.9	12	--	12.4	--	5.8	281	8.0
27...	1517	1	9	81350	3.54	2.5	10	739	11.1	98	6.5	235	8.5
FEB													
11...	1547	1	9	81350	--	2.2	11	745	11.2	100	5.2	301	9.5
MAR													
11...	0947	1	9	81350	3.49	1.6	14	749	11.6	103	5.3	302	9.5
30...	1017	1	J	81350	3.73	7.6	60	747	9.5	97	6.7	103	15.5
30...	1032	1	J	81350	3.73	7.6	60	747	9.5	98	6.7	104	16.0
APR													
13...	0747	1	J	81350	3.82	8.3	60	735	9.4	97	7.2	108	15.0
13...	0817	1	J	81350	3.82	8.3	60	735	9.4	97	7.5	107	15.0
MAY													
12...	1317	1	9	81350	3.43	1.2	5.2	749	8.8	100	6.2	312	20.5
26...	1057	1	9	81350	3.43	1.7	7.1	747	8.8	105	4.8	421	23.0
JUN													
22...	1010	1	J	81350	3.46	2.7	20	--	8.3	--	7.0	214	23.5
JUL													
20...	0827	1	9	81350	3.37	1.3	7.0	744	8.7	102	4.7	338	22.0
AUG													
09...	1012	1	9	81350	3.30	1.2	7.8	752	9.3	106	4.8	300	21.0
SEP													
21...	0947	1	9	81350	3.44	2.4	2.6	--	9.1	--	7.0	179	18.0
27...	1257	1	J	81350	4.31	--	89	735	7.2	82	4.7	343	20.0
27...	1357	1	J	81350	4.31	--	200	735	8.2	95	5.0	224	20.5
27...	1527	1	J	81350	5.82	--	260	735	8.8	101	7.2	43	20.5
27...	1746	1	J	81350	6.11	--	260	735	9.0	103	7.0	37	20.0
27...	1850	1	J	81350	6.87	--	350	735	9.0	103	6.9	30	20.0

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)
OCT													
21...	18	.9	5.1	55	11	3.1	25	26	240	1.0	44	5	1700
JAN													
13...	23	1.2	5.1	71	42	.4	52	4	990	1.4	120	3	190
27...	18	5.3	29	180	31	4.3	180	10	2200	4.9	460	19	460
FEB													
11...	20	.9	3.3	60	18	.3	40	2	290	.770	60	<2	150
MAR													
11...	24	.3	3.5	13	22	<.2	30	<2	460	.700	38	<2	50
30...	11	9.6	60	410	5	11	370	19	480	6.7	630	45	1200
30...	10	8.9	60	400	5	11	360	19	470	6.5	610	46	1100
APR													
13...	4.4	8.0	10	350	1	4.9	69	25	150	2.8	130	170	1900
13...	10	5.4	17	380	3	4.8	160	24	230	5.9	300	86	1500
MAY													
12...	15	.9	5.4	74	19	6.7	--o	28	1500	1.1	210	37	1800
26...	19	1.2	4.2	53	17	4.4	84	17	510	1.5	69	60	1300
JUN													
22...	11	2.3	14	290	4	8.9	170	18	230	5.8	240	57	840
JUL													
20...	19	1.0	4.6	55	12	2.9	35	24	310	.900	44	6	1600
AUG													
09...	18	.9	4.8	67	15	2.9	54	25	380	1.1	69	7	1500
SEP													
21...	3.8	.8	2.2	180	1	.4	--o	14	66	3.4	46	8	860
27...	5.9	2.2	5.2	220	7	5.5	83	61	380	2.2	74	18	3900
27...	7.2	2.9	24	170	7	7.6	54	67	360	2.0	89	23	4100
27...	5.7	2.7	6.1	230	2	1.5	79	13	89	3.8	130	21	720
27...	6.7	2.9	8.3	290	2	1.2	130	16	90	4.4	180	21	790
27...	7.6	2.0	7.5	340	2	.9	91	16	79	4.4	110	22	780

Date	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT												
21...	.07	180	33	M	<.5	76	<50	.031	14	1500	<50	15
JAN												
13...	.54	160	9	1	16	10	<150	.048	19	410	<150	12
27...	.74	49	31	4	1	35	<100	.170	68	2800	<100	8
FEB												
11...	.13	300	5	1	<1	9	<100	.023	12	130	<100	15
MAR												
11...	.15	210	6	M	3	4	<100	.060	11	120	<100	15
30...	.53	81	70	12	2	76	<100	.540	140	2400	<100	23
30...	.62	81	70	12	2	82	<100	.530	130	2300	<100	22
APR												
13...	--o	260	53	6	<2	400	<150	.190	64	1700	<150	64
13...	--o	89	68	7	<1	150	<100	.460	130	2000	<100	26
MAY												
12...	.28	--o	--o	2	2	120	<50	.029	15	2300	<50	8
26...	.07	680	39	43	<.5	57	<50	.051	34	910	<50	11
JUN												
22...	.32	110	100	4	<.5	100	<50	.410	160	1600	<50	6
JUL												
20...	.16	310	38	1	<1	76	<100	.024	13	1200	<100	9
AUG												
09...	.06	160	46	2	<.5	81	<50	.043	19	1300	<50	9
SEP												
21...	.18	1	--o	M	<.5	100	<50	.510	84	300	<50	12
27...	--o	120	36	2	<4	290	<450	.160	42	2800	<450	77
27...	.14	260	61	3	2	230	<100	.150	38	3200	<100	268
27...	.39	12	25	2	<1	100	<100	.320	94	500	<100	680
27...	.35	11	39	1	<1	83	<100	.440	110	520	<100	730
27...	.27	8	34	1	<1	95	<100	.540	120	490	<100	918

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL

ALTAMAHA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA

LOCATION.—Lat 33°41'37", long 84°23'27", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03070103, at bridge on Macon Drive, 0.7 miles east of Interstate 75/85, and 0.9 miles north of Cleveland Avenue.

DRAINAGE AREA.—4.80 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 27, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)
OCT													
21...	0820	--	9	9	81345	3.94	--	2.2	2.9	--	8.7	--	6.5
21...	0900	--	9	9	81345	3.94	--	2.2	3.2	--	8.7	--	6.5
JAN													
13...	1120	--	9	9	81345	2.23	--	3.4	5.6	--	9.4	78	6.4
13...	1125	--	9	9	81345	2.23	--	3.4	4.7	--	9.3	--	6.4
27...	1130	--	9	9	81345	3.28	--	5.4	6.0	740	10.7	91	6.6
27...	1155	--	9	9	81345	3.28	--	5.4	6.0	740	10.7	93	6.6
FEB													
11...	1130	--	9	9	81345	3.23	--	4.3	9.2	747	10.9	95	6.6
11...	1145	--	9	9	81345	3.23	--	4.3	10	747	10.9	95	6.5
MAR													
11...	1115	--	9	9	81345	3.23	--	3.4	11	749	10.9	99	6.6
11...	1145	--	9	9	81345	3.23	--	3.4	7.3	752	11.0	100	6.6
30...	0830	--	9	J	81345	3.90	--	34	140	742	8.9	91	6.8
30...	0845	--	9	J	81345	3.90	--	34	170	742	8.9	91	6.9
APR													
12...	1315	--	9	9	81345	3.22	--	3.7	3.1	742	9.3	99	6.8
12...	1330	--	9	9	81345	3.22	--	3.7	3.2	742	9.4	100	6.8
MAY													
12...	0900	--	9	9	81345	3.16	--	3.1	2.4	--	7.8	--	6.9
12...	0915	--	9	9	81345	3.16	--	3.1	2.4	--	7.8	--	6.9
26...	0810	--	9	9	81345	3.17	--	2.1	<5.0	747	7.8	90	7.0
26...	0815	--	9	9	81345	3.17	--	2.1	<5.0	747	7.8	90	6.8
JUN													
22-22	0755	0805	9	J	81345	3.30	--	5.6	110	745	7.3	86	6.7
JUN													
22-22	0800	0810	9	J	81345	3.30	--	5.6	110	745	7.3	86	6.7
JUL													
20...	1040	--	9	9	81345	3.17	--	2.5	3.0	748	8.1	95	6.7
20...	1045	--	9	9	81345	3.17	--	2.5	1.7	748	8.0	93	6.7
AUG													
09...	0750	--	9	9	81345	3.13	--	2.1	3.8	752	8.4	93	6.8
09...	0755	--	9	9	81345	3.13	--	2.1	2.7	752	8.4	93	6.8
SEP													
21...	0815	--	9	9	81345	3.17	--	2.5	3.6	741	8.4	89	6.7
SEP													
27-27	1240	1300	9	J	81345	3.58	14	--	97	736	7.5	85	7.0
SEP													
27-27	1345	1400	9	J	81345	4.04	38	--	240	736	7.7	89	6.9
SEP													
27-27	1515	1535	9	J	81345	5.98	348	--	960	735	8.6	99	6.4
SEP													
27-27	1710	1745	9	J	81345	6.78	605	--	720	734	8.8	102	7.0
SEP													
27-27	1845	1900	9	J	81345	8.36	1240	--	400	735	9.0	104	6.9

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)
OCT													
21...	221	15.0	73	54	18.4	6.50	3.82	.6	11.0	24	19.0	.1	11.9
21...	221	15.0	73	55	18.6	6.50	3.85	.6	11.2	24	18.5	.1	11.6
JAN													
13...	229	7.5	55	12	14.5	4.63	2.94	.5	8.32	23	43.1	<.02	12.2
13...	229	7.5	50	8	13.2	4.08	2.71	.5	7.49	23	41.5	<.02	11.1
27...	216	7.0	24	3	7.03	1.55	2.54	.3	3.80	23	21.0	<.02	5.18
27...	216	8.0	24	3	7.14	1.53	2.59	.3	3.70	23	21.1	M	5.31
FEB													
11...	235	8.5	70	50	17.7	6.18	3.16	.5	8.76	21	20.1	<.02	10.4
11...	234	8.5	71	51	18.1	6.15	3.28	.5	10.5	23	19.9	<.02	10.5
MAR													
11...	236	10.5	72	54	18.5	6.31	2.76	.5	9.16	21	18.3	.1	13.6
11...	236	10.5	74	56	18.9	6.56	2.86	.5	9.76	21	18.8	<.02	13.7
30...	131	15.0	29	16	8.89	1.72	3.11	.7	8.51	36	13.5	.2	4.42
30...	120	15.0	30	16	8.86	1.78	3.14	.7	9.35	38	13.6	.2	4.31
APR													
12...	172	17.0	47	17	12.5	3.88	3.10	.5	8.63	27	30.2	.1	8.27
12...	172	17.0	53	23	13.7	4.48	3.12	.5	8.49	25	30.0	<.02	8.29
MAY													
12...	208	19.5	63	29	16.9	5.10	3.10	.6	11.1	27	33.9	.3	9.23
12...	208	19.5	73	39	20.2	5.44	3.93	.7	14.2	28	34.0	.3	9.07
26...	283	21.5	74	55	19.2	6.30	4.26	.9	18.3	33	18.8	.1d	11.5d
26...	284	21.5	79	60	20.7	6.66	3.63	.9	17.4	31	19.1	.1d	11.5d
JUN													
22-22	155	22.5	41	15	11.8	2.80	2.99	.6	8.96	30	25.9	.1	5.3
JUN													
22-22	155	22.5	43	17	12.5	2.91	3.25	.7	9.91	31	26.2	.1	5.3
JUL													
20...	250	22.5	76	63	20.0	6.42	3.41	.5	10.8	23	13.7	.1	10.5
20...	250	22.0	77	63	20.2	6.44	3.43	.6	11.3	23	13.9	.1	10.7
AUG													
09...	232	19.5	76	54	19.9	6.31	3.38	.5	9.88	21	21.6	.1	10.0
09...	232	19.5	--	--	.10	<.05	<.05	--	.92	--	<.1	<.01	<.1
SEP													
21...	193	16.5	--	--	--	--	--	--	--	--	48.2	.1	9.15
SEP													
27-27	158	19.5	--	--	--	--	--	--	--	--	48.3	.1	8.70
SEP													
27-27	107	20.5	--	--	--	--	--	--	--	--	30.2	.1	5.21
SEP													
27-27	94	20.5	--	--	--	--	--	--	--	--	10.3	M	1.62
SEP													
27-27	37	20.5	--	--	--	--	--	--	--	--	9.2	M	.81
SEP													
27-27	31	20.5	--	--	--	--	--	--	--	--	--	M	.68

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
OCT													
21...	21.5	52.5	144	.20	.14	.107	1.25	<.020	<.100	<.10	1.51	--	--
21...	21.4	52.2	143	.20	.14	.105	1.22	<.020	<.100	<.10	1.48	120	90
JAN													
13...	19.2	14.1	109	.15	.48	.375	1.63	<.020	<.100	<.10	1.60	86	<3k
13...	18.6	11.7	100	.14	.49	.380	1.32	<.020	<.100	.14	1.60	--	--
27...	8.86	6.0	50	.07	.30	.235	.45	<.020	<.100	<.10	2.02	1100	84k
27...	9.04	6.1	51	.07	.31	.239	.45	<.020	<.100	<.10	2.00	--	--
FEB													
11...	18.9	43.9	128	.17	.27	.207	1.30	<.020	<.100	.10	1.71	180	E17k
11...	17.9	43.9	130	.18	.26	.203	1.32	<.020	<.100	<.10	1.69	--	--
MAR													
11...	18.9	44.2	131	.18	.31	.240	1.14	<.020	<.100	<.10	1.55	3	2k
11...	19.5	44.2	133	.18	.33	.260	1.12	<.020	<.100	<.10	1.52	--	--
30...	4.58	30.5	74	.10	.63	.490	.75	.060	<.100	<.10	1.01	3400	2100
30...	4.54	31.9	77	.10	.63	.490	.74	.060	<.100	<.10	1.22	--	--
APR													
12...	15.4	31.6	105	.14	.16	.124	.61	<.020	<.100	<.10	.93	140	81
12...	17.1	31.6	108	.15	.15	.113	.61	.020	<.100	<.10	.88	--	--
MAY													
12...	19.7	42.0	131	.18	.15	.115	.67	<.020	<.100	<.10	.91	580	510
12...	25.2	40.8	143	.19	.15	.118	.66	<.020	<.100	<.10	1.05	--	--
26...	19.9	84.8d	182	.25	.14	.112	1.15d	<.100d	<.100	<.10	1.24	--	--
26...	23.1	85.3d	186	.25	.15	.116	1.21d	<.100d	<.100	<.10	1.17	440	250
JUN													
22-22	11.4	28.9	92	.12	.05	.040	.79	<.010	<.050	<.050	--	--	--
JUN													
22-22	12.0	29.2	95	.13	.06	.050	.79	<.010	<.050	<.050	--	9500	19000
JUL													
20...	20.0	72.8	158	.22	.17	.130	1.04	<.010	<.050	<.050	1.10	--	--
20...	19.8	72.8	159	.22	.18	.140	1.04	<.010	<.050	<.050	1.18	100	70
AUG													
09...	20.5	60.6	148	.20	--	--	.88	<.010	--	--	--	--	--
09...	<.025	<.1	--	--	--	--	<.03	<.010	--	--	--	180	210
SEP													
21...	--	23.4	--	--	.21	.160	.85	<.020	<.100	<.10	--	23000	9800k
SEP													
27-27	--	16.0	--	--	.04	.030	.73	<.020	<.100	<.10	--	6400	9700k
SEP													
27-27	--	11.1	--	--	.15	.120	.59	.050	<.100	<.10	--	25000	41000
SEP													
27-27	--	13.4	--	--	.13	.100	.30	.030	<.100	<.10	--	16000	33000
SEP													
27-27	--	3.9	--	--	--	<.020	.24	.020	<.100	<.10	--	16000	21000
SEP													
27-27	--	3.2	--	--	--	<.020	.26	<.020	<.100	<.10	--	29000	30000

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT				
21...	--	78.5	120	80
21...	4570	78.0	130	80
JAN				
13...	3750	52.5	<100	80
13...	--	57.1	<100	70
27...	3400	45.8	120	40
27...	--	31.2	120	40
FEB				
11...	241	40.9	210	80
11...	--	84.2	200	80
MAR				
11...	85	48.5	120	80
11...	--	84.8	130	90
30...	57000	34.0	<100	40
30...	--	42.9	<100	40
APR				
12...	13000	52.7	<100	60
12...	--	47.8	<100	60
MAY				
12...	21000	52.1	<100	70
12...	--	90.1	<100	80
26...	--	59.4	<100	90
26...	11000	57.2	<100	90
JUN				
22-22	--	--	<50	50
JUN				
22-22	520000	--	<50	50
JUL				
20...	--	--	<50	90
20...	42000	--	<50	90
AUG				
09...	--	--	<50	90
09...	10000	--	<50	<1.25
SEP				
21...	170000	--	--	--
SEP				
27-27	360000	--	--	--
SEP				
27-27	190000	--	--	--
SEP				
27-27	1900000	--	--	--
SEP				
27-27	2300000	--	--	--
SEP				
27-27	1400000	--	--	--

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
21...	0821	9	80020	3.94	2.2	2.9	--	8.7	6.5	221	15.0	21	1.75
21...	0901	9	80020	3.94	2.2	3.2	--	8.7	6.5	221	15.0	23	1.72
JAN													
13...	1121	9	80020	2.23	3.4	5.6	--	9.4	6.4	229	7.5	38	1.59
13...	1126	9	80020	2.23	3.4	4.7	--	9.3	6.4	229	7.5	42	1.64
27...	1131	9	80020	3.28	5.4	6.0	740	10.7	6.6	216	7.0	13	1.23
27...	1156	9	80020	3.28	5.4	6.0	740	10.7	6.6	216	8.0	13	1.15
FEB													
11...	1131	9	80020	3.23	4.3	9.2	747	10.9	6.6	235	8.5	16	1.64
11...	1146	9	80020	3.23	4.3	10	747	10.9	6.5	234	8.5	17	1.68
MAR													
11...	1146	9	80020	3.23	3.4	7.3	752	11.0	6.6	236	10.5	15	1.66
30...	0831	J	80020	3.90	34	140	742	8.9	6.8	131	15.0	65	1.07
30...	0846	J	80020	3.90	34	170	742	8.9	6.9	120	15.0	45	1.21
APR													
12...	1316	9	80020	3.22	3.7	3.1	742	9.3	6.8	172	17.0	12	.68
12...	1331	9	80020	3.22	3.7	3.2	742	9.4	6.8	172	17.0	12	.69
MAY													
12...	0901	9	80020	3.16	3.1	2.4	--	7.8	6.9	208	19.5	13	.65
12...	0916	9	80020	3.16	3.1	2.4	--	7.8	6.9	208	19.5	13	.67
26...	0811	9	80020	3.17	2.1	<5.0	747	7.8	7.0	283	21.5	11	2.11
26...	0816	9	80020	3.17	2.1	<5.0	747	7.8	6.8	284	21.5	11	2.09
JUN													
22-22	0756	J	80020	3.30	5.6	110	745	7.3	6.7	155	22.5	10	.40
JUN													
22-22	0801	J	80020	3.30	5.6	110	745	7.3	6.7	155	22.5	10	.37
JUL													
20...	1041	9	80020	3.17	2.5	3.0	748	8.1	6.7	250	22.5	13	1.76
20...	1046	9	80020	3.17	2.5	1.7	748	8.0	6.7	250	22.0	15	1.80
AUG													
09...	0751	9	80020	3.13	2.1	3.8	752	8.4	6.8	232	19.5	5	1.43
09...	0756	9	80020	3.13	2.1	2.7	752	8.4	6.8	232	19.5	6	1.43
SEP													
21...	0816	9	80020	3.17	2.5	3.6	741	8.4	6.7	193	16.5	5	.27
SEP													
27-27	1241	J	80020	3.58	--	97	736	7.5	7.0	158	19.5	24	.16
SEP													
27-27	1346	J	80020	4.04	--	240	736	7.7	6.9	107	20.5	159	.15
SEP													
27-27	1516	J	80020	5.98	--	960	735	8.6	6.4	94	20.5	13	.18
SEP													
27-27	1711	J	80020	6.78	--	720	734	8.8	7.0	37	20.5	49	.09
SEP													
27-27	1846	J	80020	8.36	--	400	735	9.0	6.9	31	20.5	64	.06

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
21...	<.8	18.3	.33	945	10.7	<.2	700
21...	<.8	19.4	.30	952	11.1	<.2	710
JAN							
13...	<.8	15.5	E.07n	907	9.26	<.2	642
13...	<.8	16.0	E.05n	921	9.35	<.2	653
27...	<.8	8.7	.10	628	6.57	<.2	471
27...	<.8	9.3	.10	618	6.50	<.2	451
FEB							
11...	<.8	11.5	E.05n	918	9.68	<.2	612
11...	<.8	12.4	E.06n	942	9.72	<.2	622
MAR							
11...	<.8	13.9	<.08	923d	9.91	<.2	566
30...	<.8	13.4	1.01	250	5.87	<.2	150
30...	<.8	13.5	.72	255	3.39	<.2	151
APR							
12...	<.8	3.0	.12	495	3.71	<.2	241
12...	<.8	3.1	.09	497	3.76	<.2	239
MAY							
12...	<.8	3.1	.22	489	4.72	<.2	201
12...	<.8	3.3	.23	477	4.59	<.2	201
26...	<.8	3.3	E.05n	839	10.3	<.2	585
26...	<.8	2.7	<.08	844	10.0	<.2	580
JUN							
22-22	<.8	3.8	.20	229	2.25	<.2	75.9
JUN							
22-22	<.8	3.8	.20	228	2.25	<.2	72.4
JUL							
20...	<.8	6.9	<.08	1010d	11.5	<.2	586
20...	2.0	6.8	<.08	1020d	11.4	<.2	594
AUG							
09...	<.8	2.5	<.08	838	8.31	<.2	507
09...	<.8	2.4	<.08	847	8.51	<.2	515
SEP							
21...	<.8	1.5	<.08	301	2.17	<.2	99.1
SEP							
27-27	<.8	4.3	.14	185	1.90	<.2	44.2
SEP							
27-27	E.5n	7.1	1.14	165	1.89	<.2	40.0
SEP							
27-27	<.8	2.4	.11	149	1.21	<.2	27.3
SEP							
27-27	<.8	3.8	.67	46.4	.80	<.2	17.1
SEP							
27-27	<.8	4.0	.49	38.4	.75	<.2	14.4

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)
OCT													
21...	0901	--	80020	3.94	2.2	3.2	--	8.7	--	6.5	221	15.0	<.5
JAN													
13...	1121	--	80020	2.23	3.4	5.6	--	9.4	78	6.4	229	7.5	E.1
27...	1131	--	80020	3.28	5.4	6.0	740	10.7	91	6.6	216	7.0	<.5
FEB													
11...	1131	--	80020	3.23	4.3	9.2	747	10.9	95	6.6	235	8.5	<.5
MAR													
30...	0831	--	80020	3.90	34	140	742	8.9	91	6.8	131	15.0	<.5mc
APR													
12...	1316	--	80020	3.22	3.7	3.1	742	9.3	99	6.8	172	17.0	<.5
MAY													
12...	0901	--	80020	3.16	3.1	2.4	--	7.8	--	6.9	208	19.5	<.5
26...	0816	--	80020	3.17	2.1	<5.0	747	7.8	90	6.8	284	21.5	<.5
JUN													
22-22	0801	0811	80020	3.30	5.6	110	745	7.3	86	6.7	155	22.5	<.5
JUL													
20...	1046	--	80020	3.17	2.5	1.7	748	8.0	93	6.7	250	22.0	<.5
AUG													
09...	0756	--	80020	3.13	2.1	2.7	752	8.4	93	6.8	232	19.5	<.5
SEP													
21...	0816	--	80020	3.17	2.5	3.6	741	8.4	89	6.7	193	16.5	Mt
SEP													
27-27	1241	1301	80020	3.58	--	97	736	7.5	85	7.0	158	19.5	<.5mc
SEP													
27-27	1346	1401	80020	4.04	--	240	736	7.7	89	6.9	107	20.5	<.5
SEP													
27-27	1516	1536	80020	5.98	--	960	735	8.6	99	6.4	94	20.5	<.5
SEP													
27-27	1711	1746	80020	6.78	--	720	734	8.8	102	7.0	37	20.5	<.5
SEP													
27-27	1846	1901	80020	8.36	--	400	735	9.0	104	6.9	31	20.5	Mt

Date	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)
OCT													
21...	<.5	<.5	<.5	M	<1	<5	<1	<1	E1	<1	<2	<.5	<.5
JAN													
13...	<.5	<.5	<.5	M	M	<5	<1	<1	E1	<1	<2	E.1	<.5
27...	E.2	E.2	E.3	<2	M	<5	<1	<1	E2	<1	<2	E.1	E.1
FEB													
11...	<.5	<.5	<.5	M	M	<5	<1	<1	E1	<1	<2	<.5	<.5
MAR													
30...	E.1	E.1	E.1	E2	M	<5mc	M	<1	E3mc	<1	<2	E1.2	E.6
APR													
12...	<.5	<.5	<.5	<2	M	<5	<1	<1	E1	<1	<2	E.1	E.2
MAY													
12...	<.5	<.5	<.5	<2	<1	<5	M	<1	E2	<1	<2	E.2	<.5
26...	<.5	<.5	<.5	<2	M	<5	<1	<1	E2	<1	<2	<.5	<.5
JUN													
22-22	<.5	<.5	<.5	E1	M	<5	<1	<1	E2	M	<2	E.2	<.5
JUL													
20...	<.5	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	<.5	<.5
AUG													
09...	<.5	<.5	<.5	<2	<1	<5	<1	<1	Mt	<1	<2	<.5	<.5
SEP													
21...	<.5	<.5	<.5	<2	Mt	<5	<1	<1	Mt	<1	<2	E.1t	E.1t
SEP													
27-27	<.5	<.5	<.5	Mt	<1	<5mc	<1	<1	<5mc	<1	<2	E.2t	<.5
SEP													
27-27	<.5	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	.7	<.5
SEP													
27-27	E.1t	<.5	E.1t	Mt	Mt	<5	<1	<1	<5	<1	<2	E.3t	<.5
SEP													
27-27	Mt	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5
SEP													
27-27	<.5	<.5	<.5	E1t	<1	<5mc	<1	<1	<5mc	<1	<2	E.2t	<.5

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT													
21...	E.4	<.5	<.5	<.5	<2	M	<1	1.2	E.2	<.5	<1	<.5	<.5
JAN													
13...	E.3	<.5	<.5	E.1	<2	M	M	.7	.6	M	<1	<.5	<.5
27...	E.1	M	<.5	<.5	<2	<2	M	.8	.5	<.5	<1	E.1	<.5
FEB													
11...	E.1	<.5	<.5	E.1	<2	<2	<1	.8	E.3	M	<1	<.5	<.5
MAR													
30...	E.1	<.5	<.5	E.1	<2	<2	E1	2.7	E1.8	E.1	<1mc	E.2	<.5
APR													
12...	E.1	M	<.5	E.1	<2	<2	<1	.8	E.4	E.1	<1	M	<.5
MAY													
12...	E.1	<.5	<.5	E.1	<2	<2	1	1.6	E.4	E.1	<1	<.5	<.5
26...	E.1	<.5	<.5	<.5	<2	<2	<1	1.0	E.2	E.1	<1	<.5	<.5
JUN													
22-22	E.1	E.1	<.5	E.1	<2	<2	2	1.1	E.2	M	M	E.1	<.5
JUL													
20...	E.1t	E.1t	<.5	<.5	<2	<2	Mt	1.0	E.1t	E.1t	<1	<.5	<.5
AUG													
09...	<.5	<.5	<.5	<.5	<2	<2	Mt	.7	E.1t	Mt	<1	<.5	<.5
SEP													
21...	E.1t	Mt	<.5	Mt	<2	<2	Mt	.6	E.2t	Mt	<1	<.5	<.5
SEP													
27-27	<.5	<.5	<.5	<.5	Mt	<2	Mt	.5	1.1	<.5	<1mc	<.5	<.5
SEP													
27-27	<.5	<.5	<.5	<.5	E1t	Mt	Mt	E.3t	1.3	<.5	<1	E.1t	<.5
SEP													
27-27	<.5	<.5	<.5	<.5	E1t	Mt	<1	<.5	.7	<.5	Mt	E.1t	<.5
SEP													
27-27	<.5	<.5	<.5	<.5	Mt	Mt	Mt	<.5	E.3t	<.5	Mt	<.5	<.5
SEP													
27-27	<.5	<.5	<.5	<.5	E1t	E1t	<1	<.5	E.2t	<.5	Mmtc	<.5	<.5

Date	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)
OCT													
21...	M	<1.00	E.1	<.5	E4	M	<.5	M	<.5	<.5	<.5	<.5	<.5
JAN													
13...	M	E.1500	E.1	<.5	E2	M	<.5	<1	M	E.1	M	<.5	<.5
27...	<2	<1.00	E.2	<.5	E2	<1	<.5	<1	M	E.1	<.5	<.5	E.1
FEB													
11...	E1	<1.00	E.1	<.5	E2	<1	<.5	<1	M	E.1	<.5	<.5	<.5
MAR													
30...	E3	<1.00	E.3	<.5	E14mc	Mmc	<.5mc	Mmc	E.1	M	E.1	<.5	E.2
APR													
12...	<2	<1.00	E.1	<.5	E2	<1	<.5	M	E.1	E.1	M	<.5	M
MAY													
12...	E1	E.4000	E.2	<.5	E7	M	<.5	E1	E.1	<.5	<.5	<.5	<.5
26...	E1	<1.00	E.2	<.5	E4	<1	<.5	<1	M	<.5	<.5	<.5	<.5
JUN													
22-22	E2	<1.00	E.2	E.1	E4	<1	<.5	<1	E.1	<.5	<.5	<.5	E.1
JUL													
20...	<2	<1.00	E.2t	<.5	E5t	<1	<.5	<1	<.5	<.5	E.1t	<.5	<.5
AUG													
09...	<2	<1.00	E.1t	<.5	E3t	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP													
21...	<2	E.2100t	E.2t	<.5	E3t	<1	Mt	<1	Mt	Mt	Mt	Mt	<.5
SEP													
27-27	E1t	<1.00	E.3t	<.5	<5mc	<1mc	<.5mc	<1mc	<.5	<.5	<.5	<.5	<.5
SEP													
27-27	E2t	<1.00	.5	<.5	<5	Mt	<.5	<1	E.1t	<.5	<.5	<.5	<.5
SEP													
27-27	E2t	<1.00	E.3t	<.5	<5	Mt	E.1n	<1	E.1t	<.5	<.5	<.5	E.1t
SEP													
27-27	E2t	<1.00	E.3t	<.5	<5	<1	<.5	<1	E.1t	<.5	<.5	<.5	Mt
SEP													
27-27	E3	<1.00	1.6	<.5	<5mc	Mt	<.5mc	Mmtc	Mt	<.5	<.5	<.5	Mt

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)
OCT													
21...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.3	<.5	<.5
JAN													
13...	<.5	<.5	E.2	<.5	<.5	<.5	<.5	M	<2	M	E.3	<.5	M
27...	<.5	<.5	E.2	<.5	<.5	<.5	E.1	M	<2	E.1	1.3	<.5	M
FEB													
11...	<.5	<.5	<.5	<.5	<.5	<.5	E.1	M	<2	<.5	2.3	<.5	M
MAR													
30...	<.5mc	<.5	E.4	<.5	E.1	<.5	E.1	E1	E4mc	E.1	E1.5	<.5	E.1
APR													
12...	<.5	<.5	E.1	<.5	M	<.5	<.5	M	E1	M	E.4	<.5	M
MAY													
12...	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	M	<.5	.7	<.5	E.1
26...	<.5	<.5	<.5	<.5	<.5	E.1	<.5	M	<2	<.5	.7	<.5	E.2
JUN													
22-22	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	E1	M	E.4	<.5	E.1
JUL													
20...	<.5	<.5	E.1t	<.5	E.1t	<.5	<.5	Mt	<2	Mt	.6	<.5	<.5
AUG													
09...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	<2	<.5	1.0	<.5	<.5
SEP													
21...	<.5	<.5	E.1t	<.5	Mt	<.5	<.5	Mt	Mt	<.5	1.6	<.5	Mt
SEP													
27-27	<.5mc	<.5	E.2t	<.5	E.1t	<.5	<.5	<1	<2mc	<.5	<.5	<.5	<.5
SEP													
27-27	<.5	<.5	<.5	<.5	E.1t	<.5	<.5	<1	<2	<.5	.9	<.5	E.1t
SEP													
27-27	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	E.1t	1.4	<.5	E.1t
SEP													
27-27	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	E.1t	1.7	<.5	E.1t
SEP													
27-27	<.5mc	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	Mt	1.2	<.5	Mt

Date	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT										
21...	E.1	<.5	<.5	<1	<.5	E.1	<.5	<.5	E.2	<1.00
JAN										
13...	E.1	M	E.1	M	E.1	E.1	E.3	E.2	E.1	<1.00
27...	E.1	<.5	E.2	M	<.5	E.1	1.3	2.0	E.3	<1.00
FEB										
11...	E.1	<.5	E.1	M	<.5	E.1	.9	E.2	E.1	<1.00
MAR										
30...	Mmc	E.1mc	E.6	M	<.5	E.3	5.8	E.6	E.5	<1.00mc
APR										
12...	E.1	E.1	E.1	<1	<.5	E.1	.7	E.2	E.2	<1.00
MAY										
12...	E.1	E.1	E.2	M	<.5	E.1	.7	E.3	E.5	<1.00
26...	E.1	<.5	<.5	<1	<.5	E.1	.6	E.1	E.2	<1.00
JUN										
22-22	M	<.5	.5	<1	<.5	E.4	1.0	E.4	E.2	<1.00
JUL										
20...	Mt	<.5	<.5	<1	<.5	<.5	E1.4	E.2t	E.2t	--u
AUG										
09...	<.5	<.5	<.5	<1	<.5	E.1n	E.4t	<.5	E.2t	--u
SEP										
21...	E.1t	<.5	E.1t	Mt	E.1t	E.1n	E.2t	E.1t	E.1t	--u
SEP										
27-27	E.1t	<.5mc	<.5	<1	<.5	<.5	.8	<.5	E.1t	<1.00mc
SEP										
27-27	E.2t	<.5	<.5	<1	<.5	<.5	1.0	<.5	E.2t	<1.00
SEP										
27-27	<.5	<.5	E.2t	<1	<.5	E.3n	1.0	E.2t	E.4t	<1.00
SEP										
27-27	<.5	<.5	E.4t	<1	<.5	E.2n	.5	E.4t	E.4t	<1.00
SEP										
27-27	<.5	<.5mc	.6	<1	<.5	E.1n	<.5	E.4t	E.3t	<1.00

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)
OCT													
21...	0820	--	1	9	81350	3.94	--	2.2	2.9	--	8.7	--	6.5
JAN													
13...	1120	--	1	9	81350	2.23	--	3.4	4.7	--	9.3	--	6.4
13...	1125	--	1	9	81350	2.23	--	3.4	4.7	--	9.3	--	6.4
27...	1157	--	1	9	81350	3.28	--	5.4	6.0	740	10.7	93	6.6
FEB													
11...	1147	--	1	9	81350	3.23	--	4.3	10	747	10.9	95	6.5
MAR													
11...	1147	--	1	9	81350	3.23	--	3.4	7.3	752	11.0	100	6.6
30...	0832	--	1	J	81350	3.90	--	34	140	742	8.9	91	6.8
30...	0847	--	1	J	81350	3.90	--	34	170	742	8.9	91	6.9
APR													
12...	1332	--	1	9	81350	3.22	--	3.7	3.2	742	9.4	100	6.8
MAY													
12...	0917	--	1	9	81350	3.16	--	3.1	2.4	--	7.8	--	6.9
26...	0812	--	1	9	81350	3.17	--	2.1	<5.0	747	7.8	90	7.0
JUN													
22-22	0757	0807	1	J	81350	3.30	--	5.6	110	745	7.3	86	6.7
JUN													
22-22	0802	0812	1	J	81350	3.30	--	5.6	110	745	7.3	86	6.7
JUL													
20...	1042	--	1	9	81350	3.17	--	2.5	3.0	748	8.1	95	6.7
AUG													
09...	0752	--	1	9	81350	3.13	--	2.1	3.8	752	8.4	93	6.8
SEP													
21...	0817	--	1	9	81350	3.17	--	2.5	3.6	741	8.4	89	6.7
SEP													
27-27	1242	1302	1	J	81350	3.58	14	--	97	736	7.5	85	7.0
SEP													
27-27	1347	1402	1	J	81350	4.04	38	--	240	736	7.7	89	6.9
SEP													
27-27	1517	1537	1	J	81350	5.98	348	--	960	735	8.6	99	6.4
SEP													
27-27	1712	1747	1	J	81350	6.78	605	--	720	734	8.8	102	7.0
SEP													
27-27	1847	1902	1	J	81350	8.36	1240	--	400	735	9.0	104	6.9

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Alum- inum, suspnd sedimnt total, percent (30221)	Anti- mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll- ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom- ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)
OCT													
21...	221	15.0	3.8	2.0	3.7	200	6	7.5	58	45	520	3.9	95
JAN													
13...	229	7.5	17	2.0	9.0	160	34	2.7	52	7	2700	8.0	170
13...	229	7.5	17	2.0	9.0	160	34	2.7	52	--	2700	8.0	170
27...	216	8.0	13	4.5	20	390	19	4.5	120	13	1700	9.2	340
FEB													
11...	234	8.5	16	1.5	8.9	100	28	3.1	60	8	2600	5.7	190
MAR													
11...	236	10.5	14	.8	8.1	130	28	2.9	47	8	2300	6.0	160
30...	131	15.0	8.9	6.5	77	360	5	10	220	23	400	6.0	310
30...	120	15.0	11	7.2	110	360	6	6.8	190	18	450	5.8	370
APR													
12...	172	17.0	4.5	2.7	10	220	4	8.9	160	23	640	6.0	86
MAY													
12...	208	19.5	5.4	4.9	11	270	3	15	--o	30	510	5.5	170
26...	283	21.5	5.0	3.7	9.6	230	4	15	400	43	1200	5.0	200
JUN													
22-22	155	22.5	13	1.9	14	470	3	5.7	200	49	150	7.0	290
JUN													
22-22	155	22.5	4.1	5.1	6.4	120	M	1.9	36	14	66	2.2	28
JUL													
20...	250	22.5	6.5	6.0	8.5	190	8	7.3	170	62	1900	5.4	200
AUG													
09...	232	19.5	6.2	2.1	10	270	5	7.2	140	40	1000	5.6	150
SEP													
21...	193	16.5	7.3	1.7	9.8	350	2	9.7	160	21	170	5.5	77
SEP													
27-27	158	19.5	6.2	2.0	6.9	390	2	2.2	54	35	88	4.1	56
SEP													
27-27	107	20.5	8.4	2.7	5.8	330	2	1.1	66	26	82	4.5	69
SEP													
27-27	94	20.5	6.9	1.2	6.4	200	2	.5	64	16	58	3.7	62
SEP													
27-27	37	20.5	6.1	.9	3.4	200	1	.4	66	14	44	3.2	55
SEP													
27-27	31	20.5	5.9	.8	4.0	220	1	.2	65	14	41	3.3	51

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)
OCT													
21...	21	3200	.10	19	72	1	<.5	270	<50	.120	45	3000	<50
JAN													
13...	8	230	.45	42	18	1	<1	23	<100	.100	39	2000	<100
13...	8	230	.45	42	18	1	<1	23	<100	.100	39	2000	<100
27...	20	410	--o	18	36	3	2	32	<100	.230	99	2300	<100
FEB													
11...	7	410	.33	38	15	2	<1	41	<100	.082	31	2400	<100
MAR													
11...	7	490	.33	33	20	1	<1	50	<100	.080	34	2300	<100
30...	43	1800	.55	120	52	10	2	91	<100	.350	100	1700	<100
30...	30	1100	.59	130	40	13	2	48	<50	.370	110	1500	<50
APR													
12...	33	2300	--o	49	99	2	M	250	<50	.140	50	2100	<50
MAY													
12...	61	2100	.26	--o	--o	3	<1	250	<100	.250	79	1900	<100
26...	77	3500	.15	84	270	6	<1	240	<100	.200	70	2900	<100
JUN													
22-22	50	5100	.21	87	150	2	<2	76	<150	.540	190	1500	<150
JUN													
22-22	46	1500	--o	310	31	4	<1	330	<100	.150	59	600	<100
JUL													
20...	23	4400	.32	49	130	2	<1	230	<100	.200	66	3200	<100
AUG													
09...	25	3200	.21	25	110	2	<1	280	<100	.190	81	2700	<100
SEP													
21...	25	1400	1.3	17	85	2	1	220	<100	.300	100	1100	<100
SEP													
27-27	23	3400	.15	12	26	2	<2	280	<150	.260	81	710	<150
SEP													
27-27	24	1900	.14	6	30	1	<1	120	<100	.380	110	480	<100
SEP													
27-27	18	620	.16	11	24	M	<.5	65	<50	.380	98	240	<50
SEP													
27-27	15	620	.08	3	25	M	<.5	72	<50	.320	87	250	<50
SEP													
27-27	15	630	.07	3	26	M	<.5	73	<50	.420	87	200	<50

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT	
21...	3
JAN	
13...	48
13...	48
27...	3
FEB	
11...	8
MAR	
11...	7
30...	90
30...	100
APR	
12...	1
MAY	
12...	2
26...	2
JUN	
22-22	20
JUN	
22-22	216
JUL	
20...	3
AUG	
09...	2
SEP	
21...	2
SEP	
27-27	172
SEP	
27-27	410
SEP	
27-27	2950
SEP	
27-27	2340
SEP	
27-27	3430

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   m -- Value is highly variable by this method
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL

2004 Water Year

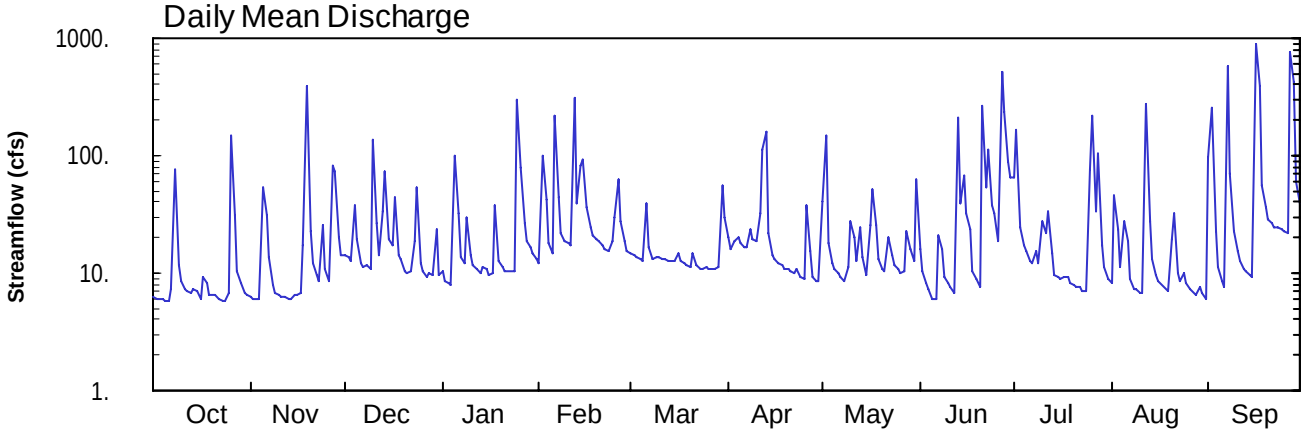
ALTAMAHA RIVER BASIN

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA

Latitude: 33°40'44" Longitude: 084°21'29" Hydrologic Unit Code: 03070103

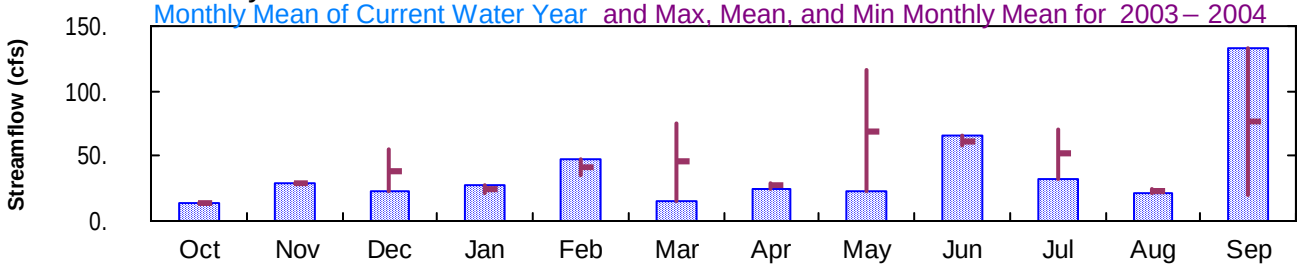
Fulton County Datum: feet Drainage Area: 22.5 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2004 Water Year

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°40'44", long 84°21'29", referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03070103, Fulton County, on right upstream bank of Forest Park Road, 0.05 miles downstream of Poole Creek, 0.4 miles upstream of South River Tributary and 1.7 miles upstream of Intrenchment Creek.

DRAINAGE AREA.—22.5 square miles, approximately.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 20, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

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

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 20, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.21 feet, September 16; minimum gage-height recorded, 2.75 feet, August 31, September 1.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 20, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5* CONTRIBUTING DRAINAGE AREA DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	6.3	14	10	12	15	20	41	16	64	8.3	95
2	6.0	6.1	13	8.6	98	14	16	148	10	165	46	257
3	6.0	6.0	13	8.4	43	14	19	18	8.4	25	24	22
4	6.0	6.0	38	7.8	18	13	20	12	7.3	18	11	11
5	5.8	53	20	99	15	13	18	11	6.1	15	28	8.5
6	5.9	30	12	33	216	39	17	10	5.9	13	19	7.5
7	7.4	14	11	14	44	17	17	9.2	21	12	8.8	584
8	75	7.8	12	12	22	13	23	8.5	16	16	7.4	69
9	12	6.7	11	29	19	14	20	11	9.2	12	7.2	23
10	8.6	6.5	136	14	18	14	18	28	8.4	27	6.7	15
11	7.2	6.2	26	12	17	13	33	20	7.5	22	6.9	12
12	6.9	6.1	14	11	308	13	112	13	6.8	34	273	11
13	6.7	6.0	33	10	39	12	158	25	213	15	28	10
14	7.4	6.1	73	11	83	13	22	14	39	9.5	13	9.8
15	6.9	6.6	20	11	93	13	14	9.6	69	9.1	9.5	9.4
16	6.0	6.6	17	9.7	36	15	13	26	32	9.0	8.7	e900
17	9.3	6.7	45	10	24	12	12	51	24	9.3	7.8	e390
18	8.3	18	14	38	21	12	12	25	11	9.3	7.7	55
19	6.4	391	13	13	19	12	11	13	8.9	8.3	7.1	36
20	6.4	23	10	11	18	11	11	11	7.6	7.8	20	29
21	6.4	12	9.9	10	17	15	10	11	270	7.6	32	26
22	6.1	9.7	11	10	16	12	9.9	20	53	7.5	10	25
23	5.7	8.7	19	10	16	11	11	14	112	7.0	8.5	24
24	5.9	25	53	10	19	11	9.4	12	38	6.9	10	23
25	6.7	11	12	296	30	11	9.1	11	33	75	8.2	22
26	146	8.5	10	79	62	11	37	10	19	221	7.3	22
27	31	82	9.4	26	28	11	15	10	522	33	6.7	e750
28	11	74	10	19	18	11	9.3	23	239	102	6.5	e430
29	8.2	20	9.5	17	16	11	8.6	16	88	17	7.5	60
30	6.8	14	24	15	---	55	8.6	12	66	11	6.9	40
31	6.5	---	9.7	13	---	30	---	62	---	8.8	5.9	---
TOTAL	450.7	883.6	722.5	877.5	1385	481	713.9	705.3	1967.1	997.1	657.6	3976.2
MEAN	14.5	29.5	23.3	28.3	47.8	15.5	23.8	22.8	65.6	32.2	21.2	133
MAX	146	391	136	296	308	55	158	148	522	221	273	900
MIN	5.7	6.0	9.4	7.8	12	11	8.6	8.5	5.9	6.9	5.9	7.5
MED	6.7	8.6	13	12	21	13	16	13	20	13	8.5	25
AC-FT	894	1750	1430	1740	2750	954	1420	1400	3900	1980	1300	7890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	14.5	29.5	39.0	25.2	41.5	45.5	26.8	69.5	61.7	51.6	23.0	76.4
MAX	14.5	29.5	54.7	28.3	47.8	75.5	29.8	116	65.6	71.0	24.9	133
(WY)	2004	2004	2003	2004	2004	2003	2003	2003	2004	2003	2003	2004
MIN	14.5	29.5	23.3	22.2	35.0	15.5	23.8	22.8	57.8	32.2	21.2	20.3
(WY)	2004	2004	2004	2003	2003	2004	2004	2004	2003	2004	2004	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	15876.4		13817.5			
ANNUAL MEAN	43.5		37.8		37.8	
HIGHEST ANNUAL MEAN					37.8	2004
LOWEST ANNUAL MEAN					37.8	2004
HIGHEST DAILY MEAN	1160	May 6	e 900	Sep 16	1160	May 6 2003
LOWEST DAILY MEAN	5.7	Oct 23	5.7	Oct 23	5.7	Oct 23 2003
ANNUAL SEVEN-DAY MINIMUM	6.1	Sep 30	6.2	Oct 1	6.1	Sep 30 2003
MAXIMUM PEAK STAGE			16.21	Sep 16	16.21	Sep 16 2004
ANNUAL RUNOFF (AC-FT)	31490		27410		27350	
10 PERCENT EXCEEDS	85		70		70	
50 PERCENT EXCEEDS	17		13		13	
90 PERCENT EXCEEDS	6.8		6.8		6.8	

e Estimated

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5* CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	2.84	2.99	2.93	2.96	3.00	3.08	3.19	2.95	3.42	2.83	3.51
2	2.80	2.83	2.98	2.90	3.66	2.99	3.02	4.03	2.80	4.17	3.22	4.78
3	2.80	2.83	2.97	2.89	3.34	2.98	3.06	2.92	2.76	3.06	3.07	3.05
4	2.80	2.83	3.28	2.88	3.05	2.98	3.08	2.83	2.74	2.96	2.89	2.88
5	2.79	3.28	3.08	3.66	3.00	2.97	3.05	2.81	2.70	2.93	3.05	2.83
6	2.79	3.20	2.96	3.23	4.51	3.27	3.03	2.80	2.70	2.90	3.00	2.81
7	2.84	2.98	2.95	2.99	3.36	3.03	3.03	2.78	2.90	2.90	2.84	6.62
8	3.55	2.88	2.95	2.96	3.12	2.98	3.12	2.77	2.89	2.95	2.81	3.54
9	2.96	2.85	2.94	3.19	3.06	2.99	3.08	2.81	2.78	2.91	2.80	3.07
10	2.90	2.84	4.05	2.99	3.05	2.99	3.06	3.01	2.76	3.06	2.79	2.95
11	2.86	2.84	3.16	2.96	3.03	2.98	3.23	2.95	2.74	3.04	2.80	2.91
12	2.86	2.83	2.99	2.94	5.11	2.98	3.70	2.84	2.72	3.13	4.80	2.88
13	2.85	2.83	3.18	2.93	3.32	2.97	4.19	3.00	4.24	2.94	3.12	2.87
14	2.87	2.83	3.60	2.94	3.71	2.97	3.02	2.86	3.18	2.85	2.92	2.86
15	2.85	2.85	3.07	2.94	3.77	2.97	2.89	2.79	3.36	2.85	2.86	2.85
16	2.83	2.85	3.03	2.92	3.29	3.00	2.85	2.96	3.09	2.85	2.84	7.15
17	2.89	2.85	3.33	2.93	3.15	2.97	2.84	3.24	2.99	2.85	2.82	5.50
18	2.89	2.97	2.99	3.28	3.10	2.96	2.82	3.01	2.81	2.85	2.82	3.45
19	2.84	5.46	2.98	2.97	3.07	2.96	2.81	2.84	2.77	2.83	2.80	3.25
20	2.84	3.12	2.93	2.95	3.06	2.95	2.81	2.81	2.74	2.82	2.95	3.18
21	2.84	2.96	2.92	2.93	3.04	3.00	2.80	2.81	4.46	2.81	3.14	3.15
22	2.84	2.92	2.93	2.93	3.02	2.95	2.79	2.93	3.32	2.81	2.86	3.13
23	2.84	2.90	3.00	2.93	3.01	2.94	2.81	2.86	3.69	2.80	2.83	3.12
24	2.84	3.12	3.41	2.93	3.06	2.94	2.78	2.83	3.16	2.80	2.86	3.10
25	2.86	2.94	2.96	5.11	3.20	2.95	2.78	2.81	3.09	3.21	2.83	3.09
26	4.03	2.89	2.93	3.66	3.53	2.94	3.12	2.80	2.93	4.50	2.81	3.08
27	3.21	3.50	2.91	3.17	3.19	2.94	2.88	2.80	5.68	3.16	2.79	6.12
28	2.93	3.64	2.92	3.06	3.06	2.94	2.78	2.95	4.60	3.73	2.79	6.11
29	2.89	3.08	2.91	3.03	3.01	2.95	2.77	2.88	3.63	2.98	2.80	3.50
30	2.85	2.99	3.11	3.00	---	3.45	2.77	2.83	3.40	2.89	2.79	3.29
31	2.84	---	2.92	2.98	---	3.21	---	3.32	---	2.84	2.77	---
MEAN	2.92	3.06	3.08	3.10	3.30	3.00	3.00	2.94	3.22	3.06	2.95	3.69
MAX	4.03	5.46	4.05	5.11	5.11	3.45	4.19	4.03	5.68	4.50	4.80	7.15
MIN	2.79	2.83	2.91	2.88	2.96	2.94	2.77	2.77	2.70	2.80	2.77	2.81

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5* CONTRIBUTING DRAINAGE AREA DATUM

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.43	0.00	0.43
2	0.00	---	0.00	0.00	0.81	0.00	0.00	0.28	0.00	0.07	1.06	1.71
3	0.00	---	0.07	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00
4	0.00	---	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	---	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.00
6	0.04	---	0.00	0.00	1.07	0.32	0.00	0.00	0.00	0.04	0.01	0.24
7	0.13	---	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.05	0.00	2.98
8	0.53	0.00	0.01	0.04	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.03
9	0.00	0.00	0.00	0.23	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00
10	0.02	0.00	0.94	0.00	0.01	0.00	0.00	0.20	0.00	0.11	0.01	0.00
11	0.00	0.00	0.00	0.01	0.27	0.00	0.19	0.05	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.21	0.00	0.76	0.08	0.00	0.02	1.98	0.00
13	0.00	0.00	0.45	0.00	0.00	0.00	0.58	0.07	3.38	0.00	0.01	0.00
14	0.07	0.00	0.15	0.00	0.48	0.00	0.01	0.00	0.02	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.99	---	0.00	0.00
16	0.00	0.00	0.24	0.00	0.00	0.06	0.00	0.01	0.08	---	0.00	4.22
17	0.14	0.00	0.06	0.27	0.00	0.00	0.00	1.23	0.02	---	0.00	0.14
18	0.00	0.64	0.00	0.07	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
19	0.00	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.50	0.00
21	0.00	0.00	0.00	0.00	0.01	0.10	0.00	0.00	2.38	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.49	0.00	0.00	0.00
23	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00
24	0.00	0.23	0.00	0.01	0.09	0.00	0.00	0.00	0.00	0.00	0.04	0.00
25	0.00	0.00	0.00	1.92	0.20	0.00	0.00	0.00	0.09	1.96	0.00	0.00
26	---	0.00	0.00	0.05	---	0.00	0.42	0.00	0.07	0.04	0.00	0.00
27	---	0.91	0.00	0.00	---	0.00	0.01	0.00	2.77	1.37	0.00	3.25
28	---	0.17	0.00	0.00	0.00	0.00	0.00	0.20	1.09	0.02	0.00	0.00
29	---	0.00	0.07	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.03	0.01
30	---	0.00	0.10	0.00	---	0.51	0.11	0.00	0.54	0.00	0.00	0.00
31	---	---	0.00	0.00	---	0.10	---	0.52	---	0.00	0.00	---
TOTAL	---	---	2.99	3.28	---	1.13	2.19	3.55	13.10	---	3.77	13.01

ALTAMAHA RIVER BASIN
2004 Water Year

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°40'44", long 84°21'29", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03070103, on right upstream bank of Forest Park Road, 0.05 miles downstream of Poole Creek, 0.4 miles upstream of South River Tributary and 1.7 miles upstream of Intrenchment Creek.

DRAINAGE AREA.—22.5 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—April 6, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: April 6, 2003 to current year.
pH: April 6, 2003 to current year.
WATER TEMPERATURE: April 6, 2003 to current year.
DISSOLVED OXYGEN: April 9, 2003 to current year.
TURBIDITY: April 9, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records fair, except for turbidity and dissolved oxygen, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 310 microsiemens, September 26, 2004; minimum recorded, 31 microsiemens, September 16, 2004.
pH: Maximum recorded, 8.2 units, April 26, 2003; minimum recorded, 5.5 units, April 7, 2003.
WATER TEMPERATURE: Maximum recorded, 27.4°C, July 11, 2004; minimum recorded, 2.6°C, January 29, 2004.
DISSOLVED OXYGEN: Maximum recorded, 12.9 mg/L, February 2, 2004; minimum recorded, <0.5 mg/L, July 30, 2004.
TURBIDITY: Maximum recorded, >2,200 NTU, July 11, 2003; minimum recorded, <5.0 NTU, on many days during the 2003 and 2004 water years.

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 310 microsiemens, September 26; minimum recorded, 31 microsiemens, September 16.

pH: Maximum recorded, 7.9 units, April 12; minimum recorded, 6.2 units, September 2, 7, 16.

WATER TEMPERATURE: Maximum recorded, 27.4°C, July 11; minimum recorded, 2.6°C, January 29.

DISSOLVED OXYGEN: Maximum recorded, 12.9 mg/L, February 2; minimum recorded, <0.5 mg/L, July 30.

TURBIDITY: Maximum recorded, 1,700 NTU, June 13; minimum recorded, <5.0 NTU, on many days during 2004 water year.

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	157	153	156	176	171	173	163	146	154	164	150	160
2	162	157	160	177	174	175	165	160	162	168	164	166
3	164	162	163	178	176	177	169	165	167	170	166	168
4	168	164	166	179	177	177	168	123	139	175	169	173
5	174	168	171	186	91	165	140	123	130	172	74	138
6	183	174	179	132	111	116	155	140	149	100	72	87
7	189	178	180	138	117	131	167	155	162	123	100	112
8	191	78	126	147	138	142	170	167	168	136	123	130
9	129	116	123	158	147	153	172	170	171	139	107	121
10	149	129	139	163	158	160	172	60	106	121	107	113
11	158	149	155	169	163	166	117	79	101	136	121	130
12	163	158	160	171	169	170	136	117	127	145	136	141
13	166	163	165	174	171	173	147	114	139	149	145	147
14	172	166	168	174	172	174	114	78	87	154	147	151
15	175	169	172	174	172	173	119	93	106	157	154	156
16	175	172	174	173	171	172	137	119	127	160	156	159
17	183	167	171	173	170	171	137	107	116	163	160	162
18	176	170	172	---	---	---	125	113	118	162	119	130
19	172	163	166	---	---	---	138	125	131	139	125	132
20	168	162	164	---	---	---	146	138	142	153	139	145
21	173	168	170	---	---	---	152	146	150	164	153	159
22	---	173	---	---	---	---	156	152	154	167	164	165
23	---	---	---	---	---	---	160	144	157	173	166	170
24	---	---	---	---	---	---	144	96	104	174	171	173
25	---	---	---	129	---	---	107	97	101	174	57	101
26	---	---	---	145	128	136	121	107	114	115	59	88
27	---	---	---	152	71	134	133	121	128	142	115	131
28	---	---	---	97	66	79	143	133	138	167	140	150
29	157	---	---	126	97	114	153	143	147	176	158	164
30	168	155	161	146	126	136	153	137	143	169	160	164
31	172	165	169	---	---	---	150	137	142	173	163	168
MONTH	---	---	---	---	---	---	172	60	135	176	57	144

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	172	167	169	168	163	166	157	133	149	182	108	147
2	180	68	147	169	166	168	159	152	155	108	57	79
3	116	66	93	173	167	170	177	159	168	120	91	105
4	143	116	132	175	168	172	187	173	178	136	120	129
5	156	143	151	176	170	173	197	186	191	147	136	143
6	158	46	104	178	135	153	190	173	178	159	147	154
7	122	73	101	151	138	145	178	172	175	204	157	169
8	145	122	135	162	150	158	179	168	173	218	178	198
9	155	145	151	165	162	164	187	168	175	225	174	181
10	160	155	158	168	164	166	194	184	189	226	105	156
11	162	158	161	167	164	166	218	192	199	139	124	130
12	161	39	79	170	164	167	244	52	221	162	139	149
13	127	92	111	171	166	169	107	58	74	225	136	149
14	143	83	108	203	168	189	111	83	98	153	149	151
15	118	75	94	201	189	195	125	111	121	159	153	157
16	135	86	114	199	184	191	137	123	130	189	118	158
17	155	135	147	199	176	187	147	136	143	176	119	145
18	167	155	163	---	177	---	155	147	150	173	120	139
19	171	167	169	---	172	---	159	152	156	148	132	142
20	173	171	172	182	172	177	164	159	162	160	148	155
21	175	171	173	186	168	175	166	162	164	171	160	166
22	177	174	176	179	170	173	168	164	167	210	166	178
23	178	174	176	182	173	177	170	154	164	186	159	164
24	180	163	173	179	170	175	177	155	168	172	165	169
25	---	173	---	178	170	174	179	169	176	---	---	---
26	---	---	---	178	172	175	184	146	164	---	---	---
27	---	148	---	180	173	176	148	147	147	---	---	---
28	158	148	153	182	170	177	156	148	152	---	---	---
29	163	158	162	185	175	179	174	156	---	---	---	---
30	---	---	---	179	129	147	168	164	166	---	---	---
31	---	---	---	147	133	140	---	---	---	---	---	---
MONTH	---	---	---	---	129	---	244	52	---	---	---	---

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	131	82	107	161	157	160	180	63	145
2	---	---	---	106	57	81	177	83	144	103	32	49
3	193	---	---	143	106	131	126	91	111	92	60	77
4	203	189	196	166	143	156	141	126	136	120	92	107
5	193	182	188	167	153	160	156	119	144	136	119	129
6	183	174	177	---	---	---	121	111	115	146	134	142
7	193	138	176	169	---	---	134	121	128	148	36	67
8	161	135	148	198	169	186	146	134	140	110	69	91
9	171	155	159	189	175	181	157	146	152	146	110	128
10	188	171	183	190	114	170	162	155	160	164	145	155
11	187	180	184	155	120	143	164	161	163	172	159	167
12	189	183	187	172	106	152	168	40	85	175	166	172
13	197	48	128	143	133	138	128	85	102	179	172	176
14	110	72	90	160	143	153	143	119	131	184	175	179
15	124	86	106	---	160	---	162	142	154	185	180	183
16	---	---	---	---	---	---	169	162	166	184	31	124
17	130	---	---	---	---	---	173	167	172	172	52	135
18	137	130	133	---	---	---	182	169	175	206	172	193
19	158	132	146	186	177	182	180	164	174	222	206	212
20	167	158	164	187	177	183	181	114	170	224	204	217
21	168	44	121	190	180	185	116	87	101	214	204	207
22	127	63	98	191	183	187	133	116	126	226	209	215
23	---	---	---	190	183	187	153	133	142	241	216	229
24	---	---	---	188	181	186	186	148	163	261	231	244
25	---	106	---	186	55	176	209	174	196	282	258	274
26	139	113	126	100	52	79	187	172	178	310	279	290
27	152	37	107	128	86	111	186	174	179	309	44	204
28	120	38	89	110	67	100	183	173	176	151	48	109
29	130	79	106	130	110	120	196	182	186	183	151	169
30	149	106	131	175	130	145	212	196	204	212	183	202
31	---	---	---	167	155	157	210	178	192	---	---	---
MONTH	---	---	---	---	---	---	212	40	152	310	31	166

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.8	7.0	6.9	7.0
2	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.8	7.1	7.0	7.1
3	7.0	7.0	7.0	7.0	6.9	6.9	7.0	6.8	6.8	7.1	7.0	7.1
4	7.0	7.0	7.0	6.9	6.9	6.9	7.0	6.9	6.9	7.1	7.0	7.0
5	7.0	7.0	7.0	6.9	6.5	6.9	6.9	6.8	6.9	7.1	6.7	7.1
6	7.1	6.9	7.1	6.9	6.7	6.8	6.9	6.9	6.9	6.7	6.7	6.7
7	7.1	7.0	7.1	6.8	6.8	6.8	6.9	6.9	6.9	6.8	6.7	6.8
8	7.0	6.7	6.9	6.9	6.8	6.9	7.0	6.9	6.9	6.9	6.8	6.9
9	7.0	6.9	6.9	6.9	6.8	6.9	7.0	6.9	6.9	6.9	6.8	6.8
10	7.0	7.0	7.0	6.9	6.8	6.8	7.0	6.6	6.8	6.8	6.7	6.8
11	7.0	7.0	7.0	6.9	6.8	6.9	6.9	6.7	6.8	6.8	6.8	6.8
12	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8
13	7.0	7.0	7.0	6.9	6.9	6.9	7.0	6.9	6.9	6.8	6.8	6.8
14	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.7	6.7	6.9	6.8	6.9
15	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.7	6.7	6.9	6.9	6.9
16	7.1	7.0	7.1	7.0	7.0	7.0	6.7	6.6	6.6	7.0	6.9	6.9
17	7.1	7.0	7.1	7.0	6.9	7.0	6.7	6.5	6.6	7.0	6.9	7.0
18	7.0	6.9	7.0	7.0	7.0	7.0	6.6	6.5	6.6	7.1	6.9	6.9
19	7.0	7.0	7.0	---	---	---	6.6	6.5	6.6	6.9	6.8	6.9
20	7.0	7.0	7.0	---	---	---	6.6	6.6	6.6	7.0	6.9	6.9
21	7.0	7.0	7.0	---	---	---	6.6	6.6	6.6	7.0	6.9	7.0
22	7.0	7.0	7.0	---	---	---	6.6	6.6	6.6	7.0	7.0	7.0
23	---	---	---	---	---	---	6.6	6.6	6.6	7.0	7.0	7.0
24	---	---	---	---	---	---	6.6	6.6	6.6	7.0	7.0	7.0
25	---	---	---	7.0	7.0	7.0	6.6	6.6	6.6	7.0	6.7	6.8
26	---	---	---	7.0	7.0	7.0	6.7	6.6	6.6	6.9	6.7	6.8
27	---	---	---	7.0	6.6	7.0	6.7	6.7	6.7	7.0	6.9	6.9
28	---	---	---	6.8	6.6	6.7	6.8	6.7	6.8	7.0	7.0	7.0
29	7.0	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.8	7.0	7.0	7.0
30	6.9	6.9	6.9	6.8	6.8	6.8	7.0	6.8	6.9	7.0	7.0	7.0
31	7.0	6.9	6.9	---	---	---	7.0	6.9	6.9	7.0	7.0	7.0
MAX	---	---	---	---	---	---	7.0	6.9	6.9	7.1	7.0	7.1
MIN	---	---	---	---	---	---	6.6	6.5	6.6	6.7	6.7	6.7

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.0	6.9	7.0
2	7.0	6.7	7.0	7.0	6.9	7.0	7.2	7.1	7.2	7.0	6.7	6.8
3	6.9	6.8	6.9	7.0	6.9	7.0	7.2	7.1	7.1	6.9	6.8	6.9
4	7.0	6.9	6.9	7.0	6.9	7.0	7.2	7.1	7.1	6.9	6.9	6.9
5	7.0	6.9	6.9	7.0	6.9	7.0	7.2	7.1	7.1	6.9	6.9	6.9
6	7.0	6.6	6.9	7.0	6.7	7.0	7.1	7.1	7.1	6.9	6.9	6.9
7	6.9	6.7	6.9	7.0	6.9	6.9	7.1	7.0	7.0	7.1	6.8	6.9
8	7.0	6.9	7.0	7.0	6.9	7.0	7.1	7.0	7.0	7.3	7.1	7.1
9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.9	7.3	6.4	7.3
10	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.4	6.7
11	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.1	6.9	6.8	6.8
12	7.0	6.6	6.8	7.0	7.0	7.0	7.9	6.9	7.8	7.0	6.8	6.9
13	7.0	6.8	6.9	7.0	7.0	7.0	7.2	6.9	7.0	7.0	6.8	6.9
14	7.0	6.9	6.9	7.1	7.0	7.0	7.1	7.0	7.1	6.9	6.9	6.9
15	6.9	6.8	6.9	7.1	6.9	7.0	7.1	7.0	7.0	6.9	6.8	6.9
16	7.0	6.8	6.9	7.0	6.9	7.0	7.1	7.0	7.0	6.9	6.5	6.8
17	7.0	7.0	7.0	7.1	6.9	7.0	7.0	7.0	7.0	6.8	6.6	6.7
18	7.0	7.0	7.0	7.0	6.9	7.0	7.0	7.0	7.0	6.9	6.7	6.8
19	7.0	7.0	7.0	7.1	6.9	7.1	7.0	6.9	7.0	6.9	6.9	6.9
20	7.0	7.0	7.0	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.9
21	7.0	7.0	7.0	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.9
22	7.0	7.0	7.0	7.1	7.0	7.0	7.0	6.9	6.9	7.0	6.7	6.9
23	7.0	7.0	7.0	7.2	7.0	7.1	7.0	6.9	6.9	6.8	6.8	6.8
24	7.0	6.9	7.0	7.2	7.1	7.1	7.0	6.9	7.0	6.9	6.8	6.8
25	6.9	6.9	6.9	7.2	7.1	7.1	7.0	6.9	6.9	---	---	---
26	---	---	---	7.3	7.1	7.1	7.0	6.9	6.9	---	---	---
27	6.9	6.9	6.9	7.2	7.1	7.1	6.9	6.9	6.9	---	---	---
28	7.0	6.9	6.9	7.2	7.1	7.1	6.9	6.9	6.9	---	---	---
29	7.0	6.9	7.0	7.1	7.0	7.1	7.0	6.9	7.0	---	---	---
30	---	---	---	7.1	6.9	7.0	7.0	7.0	7.0	---	---	---
31	---	---	---	7.1	6.9	7.0	---	---	---	---	---	---
MAX	---	---	---	7.3	7.1	7.1	7.9	7.1	7.8	---	---	---
MIN	---	---	---	7.0	6.7	6.9	6.9	6.9	6.9	---	---	---

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	6.9	6.7	6.8	7.0	6.8	6.9	7.0	6.3	7.0
2	---	---	---	6.9	6.5	6.8	7.0	6.7	6.9	6.8	6.2	6.5
3	7.0	6.9	7.0	7.0	6.8	6.9	6.8	6.7	6.8	6.8	6.6	6.8
4	7.0	6.9	7.0	7.0	6.9	7.0	6.9	6.8	6.8	6.9	6.8	6.9
5	7.0	6.9	7.0	7.0	6.9	6.9	6.9	6.5	6.9	6.9	6.8	6.9
6	7.0	6.9	7.0	---	---	---	6.8	6.8	6.8	6.9	6.8	6.9
7	6.9	6.6	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.9	6.2	6.4
8	6.9	6.6	6.8	7.1	6.9	7.0	6.9	6.9	6.9	6.7	6.4	6.6
9	7.2	6.9	7.1	7.1	7.0	7.0	6.9	6.9	6.9	6.9	6.6	6.8
10	7.4	7.2	7.2	7.0	6.8	7.0	6.9	6.8	6.9	7.0	6.9	6.9
11	7.6	7.4	7.5	7.0	7.0	7.0	6.8	6.8	6.8	7.0	6.9	7.0
12	7.6	7.5	7.6	7.1	6.3	7.0	6.9	6.4	6.6	7.0	6.9	7.0
13	7.5	6.4	7.4	7.0	7.0	7.0	6.9	6.8	6.9	7.0	7.0	7.0
14	6.8	6.6	6.6	7.0	7.0	7.0	7.0	6.9	7.0	7.0	7.0	7.0
15	6.9	6.6	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
16	6.7	6.6	6.6	---	---	---	7.0	7.0	7.0	7.0	6.2	7.0
17	6.8	6.7	6.8	---	---	---	7.0	7.0	7.0	6.8	6.3	6.7
18	6.9	6.8	6.8	---	---	---	7.0	6.9	7.0	7.0	6.7	6.7
19	6.9	6.8	6.8	7.1	7.0	7.1	7.0	6.9	7.0	7.6	7.0	7.4
20	7.0	6.9	6.9	7.1	7.0	7.0	7.0	6.8	7.0	7.7	7.2	7.6
21	7.1	6.6	7.0	7.1	7.0	7.0	6.9	6.6	6.7	7.2	6.7	6.8
22	7.0	6.6	6.8	7.1	7.0	7.0	6.9	6.8	6.9	6.7	6.7	6.7
23	---	---	---	7.1	7.0	7.0	7.0	6.9	7.0	6.8	6.6	6.7
24	---	---	---	7.1	7.0	7.0	7.0	6.8	6.9	6.9	6.7	6.7
25	---	---	---	7.1	6.4	7.0	6.9	6.7	6.8	7.2	6.9	7.0
26	7.0	6.9	6.9	6.8	6.4	6.6	7.0	6.9	6.9	7.3	7.1	7.2
27	7.0	6.4	6.9	6.9	6.6	6.8	7.0	6.9	7.0	7.4	6.5	7.4
28	6.8	6.4	6.7	6.8	6.5	6.8	7.0	7.0	7.0	6.7	6.4	6.6
29	6.9	6.7	6.8	6.9	6.8	6.8	7.1	7.0	7.0	6.7	6.4	6.6
30	6.9	6.6	6.9	6.9	6.5	6.9	7.0	6.8	6.9	6.7	6.6	6.6
31	---	---	---	6.9	6.8	6.9	7.0	6.8	7.0	---	---	---
MAX	---	---	---	---	---	---	7.1	7.0	7.0	7.7	7.2	7.6
MIN	---	---	---	---	---	---	6.8	6.4	6.6	6.7	6.2	6.4

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.1	15.2	16.2	16.3	14.2	15.3	8.9	6.3	7.6	7.9	5.2	6.6
2	16.4	14.7	15.6	16.6	14.3	15.5	8.7	6.8	7.8	9.3	7.0	8.2
3	15.5	13.7	14.7	16.5	14.2	15.5	8.1	6.9	7.3	11.7	9.0	10.2
4	16.8	14.2	15.5	18.0	16.1	17.0	7.2	5.9	6.4	13.2	10.9	12.0
5	17.7	15.6	16.7	21.2	18.0	18.7	7.3	6.3	6.8	14.7	11.9	13.5
6	18.5	17.2	17.9	20.3	19.2	19.8	7.1	6.2	6.6	11.9	7.2	9.2
7	18.7	18.0	18.3	19.9	18.3	19.0	6.5	4.8	5.8	7.2	4.0	4.8
8	19.5	18.1	18.8	18.3	16.3	16.9	6.8	4.7	5.8	4.5	3.1	3.8
9	19.4	18.4	18.9	16.3	14.4	15.4	8.2	5.4	6.7	5.6	4.0	4.9
10	19.4	18.7	19.0	14.4	12.5	13.3	11.2	8.2	9.8	5.4	4.3	5.0
11	18.9	18.3	18.5	14.0	11.8	13.0	9.0	6.8	7.6	4.7	2.9	3.9
12	19.6	18.1	18.8	15.9	13.0	14.4	7.2	5.5	6.4	5.9	3.1	4.5
13	19.6	18.0	18.9	16.1	11.3	14.0	7.1	5.7	6.3	7.6	5.3	6.4
14	20.1	17.9	19.4	11.3	9.5	10.4	6.8	5.9	6.3	9.4	6.1	7.5
15	17.9	15.5	16.4	11.6	9.3	10.4	7.4	5.4	6.3	9.4	8.1	8.8
16	15.9	13.6	14.9	13.4	10.4	11.7	9.0	5.3	6.7	8.1	6.1	7.2
17	15.1	13.5	14.4	15.6	13.4	14.5	9.4	6.8	8.0	7.5	6.0	6.8
18	15.7	13.6	14.6	---	14.8	---	7.3	5.0	6.1	10.0	7.0	8.7
19	15.9	13.5	14.7	---	---	---	7.1	5.6	6.3	9.6	6.4	7.8
20	16.4	14.0	15.3	---	---	---	6.0	4.0	4.7	6.4	3.9	5.0
21	17.3	14.5	16.0	---	---	---	4.5	2.8	3.9	5.9	3.6	4.8
22	---	---	---	---	---	---	5.5	3.0	4.3	6.1	4.1	5.2
23	---	---	---	---	---	---	9.9	4.3	5.9	6.1	4.3	5.1
24	---	---	---	---	---	---	10.0	7.6	8.9	8.2	4.4	6.0
25	---	---	---	9.5	---	---	7.6	5.0	5.9	9.9	6.4	8.4
26	---	---	---	10.0	7.8	8.9	6.0	4.3	5.3	6.4	5.3	5.6
27	---	---	---	12.8	9.9	10.8	6.2	4.2	5.3	7.2	5.2	6.0
28	---	---	---	13.4	10.0	12.6	6.7	4.4	5.7	5.7	3.2	4.3
29	14.8	---	---	10.0	7.5	8.2	9.2	5.7	7.1	5.2	2.6	4.0
30	15.1	12.7	14.0	7.9	5.6	6.9	9.8	7.9	8.8	7.1	4.4	5.6
31	15.7	13.5	14.7	---	---	---	7.9	5.6	6.7	6.6	4.5	5.7
MONTH	---	---	---	---	---	---	11.2	2.8	6.6	14.7	2.6	6.6

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.6	4.4	5.6	13.6	8.7	10.8	14.3	10.9	12.7	20.7	18.0	19.3
2	6.6	4.1	5.4	15.4	12.6	13.9	15.6	10.7	13.0	20.3	18.3	19.3
3	7.6	4.0	5.5	17.0	13.4	15.2	17.2	11.9	14.5	18.3	15.9	16.8
4	7.1	4.6	5.9	17.2	14.6	15.9	16.2	12.4	14.3	17.7	13.7	15.7
5	6.7	6.0	6.2	17.3	15.1	16.2	16.1	11.3	13.7	19.3	14.5	16.8
6	8.0	6.0	6.9	18.9	15.9	17.3	17.2	11.9	14.5	21.0	16.7	18.8
7	7.9	5.1	6.4	17.2	14.1	15.7	17.7	12.8	15.3	21.9	17.8	19.9
8	6.8	3.6	5.0	15.1	11.5	13.0	18.3	15.0	16.5	22.6	18.5	20.6
9	6.5	5.0	5.7	12.5	9.9	11.3	19.1	14.8	16.9	22.5	19.6	21.1
10	7.8	5.6	6.5	12.5	8.7	10.6	18.3	13.9	16.3	22.1	19.8	20.9
11	8.5	7.4	7.9	12.9	8.3	10.7	17.7	15.2	16.6	23.2	20.0	21.3
12	8.4	6.6	7.2	13.7	9.8	11.7	17.9	15.0	16.7	22.2	20.4	21.3
13	9.7	6.3	7.8	13.8	9.8	11.8	15.8	12.4	14.4	22.8	20.9	21.8
14	9.2	8.0	8.6	15.3	11.1	13.2	14.5	10.8	12.4	22.6	20.7	21.6
15	8.9	8.0	8.5	16.7	13.8	15.2	16.9	11.4	13.8	23.0	20.2	21.6
16	8.3	6.6	7.6	17.6	14.9	15.9	18.2	12.8	15.3	22.7	20.3	21.4
17	7.9	6.6	7.3	16.2	12.8	14.5	19.2	14.2	16.5	22.9	20.7	21.8
18	9.5	6.0	7.6	---	---	---	20.4	15.4	17.7	22.7	20.6	21.5
19	10.1	6.0	8.0	17.6	---	---	21.0	16.5	18.7	23.2	20.6	21.8
20	10.2	7.4	8.7	18.0	13.3	15.6	20.8	17.5	19.2	24.1	20.9	22.5
21	12.1	9.8	10.8	17.4	13.6	16.1	20.0	17.6	18.9	24.4	21.5	23.1
22	11.3	8.2	9.9	13.6	10.3	12.0	21.2	17.2	19.1	24.0	22.4	23.2
23	10.4	8.3	9.1	13.4	8.3	10.8	22.2	17.8	19.7	24.3	21.7	22.9
24	10.2	9.3	9.7	14.8	9.2	11.9	21.6	18.2	19.9	24.2	21.0	22.7
25	10.2	---	---	17.0	10.9	13.8	21.8	18.8	20.3	---	---	---
26	---	---	---	18.6	13.1	15.8	21.2	18.1	19.6	---	---	---
27	---	---	---	18.7	14.2	16.5	19.4	16.2	17.8	---	---	---
28	9.5	5.0	7.1	20.0	14.8	17.3	19.0	14.7	16.8	---	---	---
29	10.2	6.2	8.3	18.2	16.3	17.2	19.5	---	---	---	---	---
30	---	---	---	19.6	15.2	17.2	19.1	17.9	18.5	---	---	---
31	---	---	---	16.6	13.5	15.0	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	22.2	---	---	---	---	---

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	24.1	21.9	22.9	26.5	24.4	25.5	24.8	23.2	24.0
2	---	---	---	24.5	22.3	23.1	27.2	24.5	25.7	24.3	22.2	23.0
3	22.4	---	---	25.0	22.2	23.5	27.0	24.3	25.6	23.8	22.5	23.1
4	23.5	20.7	22.0	25.7	22.6	24.1	27.1	24.7	25.9	23.4	21.8	22.7
5	22.7	19.8	21.4	26.4	23.4	---	26.3	24.1	25.3	23.5	22.0	22.8
6	23.4	20.7	22.1	---	---	---	25.6	23.9	24.8	23.1	22.3	22.7
7	23.3	21.2	22.2	25.6	---	---	24.5	22.0	23.2	22.8	21.8	22.3
8	23.1	22.1	22.6	25.9	23.4	24.6	23.3	20.7	22.1	22.6	21.8	22.3
9	23.0	21.9	22.4	26.1	23.7	24.9	23.4	20.7	22.1	24.1	21.1	22.4
10	24.7	22.0	23.3	26.6	24.0	25.2	22.8	21.6	21.9	23.8	21.5	22.7
11	25.5	22.7	24.1	27.4	25.1	26.2	23.1	20.6	21.8	23.5	21.5	22.6
12	26.3	23.4	24.9	27.2	25.2	26.1	23.3	21.9	22.6	23.4	21.7	22.6
13	25.7	22.9	23.8	27.0	24.5	25.8	23.2	20.6	21.9	22.6	21.5	22.1
14	25.0	22.9	23.8	27.1	25.0	26.2	22.8	19.5	21.3	22.2	20.6	21.5
15	24.6	23.4	24.1	---	---	---	23.1	20.8	21.9	21.7	20.7	21.2
16	25.1	23.0	23.9	---	---	---	23.5	21.6	22.5	23.3	21.3	22.1
17	26.1	23.3	24.7	---	---	---	23.9	21.5	22.7	22.7	21.7	22.2
18	26.0	24.7	25.4	---	---	---	24.2	21.4	22.9	22.5	20.3	21.3
19	26.9	24.7	25.8	25.2	---	---	24.0	21.5	22.9	20.9	18.7	19.9
20	26.4	24.1	25.3	24.9	22.5	23.8	24.1	22.0	23.2	19.9	17.6	18.7
21	25.6	23.8	24.5	25.4	22.9	24.2	24.7	23.0	23.8	19.7	17.4	18.7
22	25.5	23.3	24.3	25.6	23.4	24.6	24.9	23.1	24.1	20.0	17.6	19.0
23	---	---	---	26.3	24.0	25.2	24.5	23.3	23.9	21.0	18.1	19.6
24	---	---	---	26.6	24.2	25.5	24.9	22.7	23.7	21.6	19.4	20.6
25	25.0	---	---	26.3	24.1	25.5	24.1	23.1	23.7	21.5	19.9	20.8
26	24.6	23.3	23.8	26.3	23.7	24.8	24.6	22.4	23.5	21.1	19.7	20.5
27	24.5	22.6	23.3	25.4	24.0	24.6	24.8	22.6	23.8	21.0	20.1	20.6
28	23.7	22.0	22.8	26.4	23.9	25.0	25.3	22.9	24.2	21.6	19.8	20.6
29	24.3	22.0	23.1	25.6	23.7	24.4	24.6	23.3	24.0	21.2	19.5	20.3
30	23.3	22.1	22.6	26.2	23.7	24.8	25.3	22.8	24.1	21.3	18.8	20.0
31	---	---	---	26.3	24.1	25.2	24.9	23.1	24.1	---	---	---
MONTH	---	---	---	---	---	---	27.2	19.5	23.5	24.8	17.4	21.4

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.7	8.1	8.5	7.0	6.6	6.8	10.3	9.5	9.9	10.6	10.1	10.4
2	8.9	8.3	8.6	7.0	6.5	6.7	10.3	9.7	9.9	10.3	9.8	10.1
3	9.1	8.4	8.8	7.1	6.5	6.8	10.3	9.7	10.1	9.8	9.0	9.5
4	9.2	8.4	8.8	6.7	6.2	6.5	10.3	10.0	10.1	9.0	8.5	8.8
5	8.8	8.1	8.5	6.6	5.1	6.1	10.0	9.7	9.8	9.1	8.0	8.5
6	8.5	7.7	8.1	6.1	5.1	5.6	10.1	9.8	9.9	10.5	8.4	9.6
7	7.9	7.4	7.7	5.9	5.3	5.7	10.4	10.0	10.2	11.6	10.5	11.2
8	---	---	---	6.4	5.7	6.2	10.6	10.0	10.3	12.0	11.6	11.8
9	---	---	---	7.0	6.3	6.7	10.3	9.6	10.1	11.8	11.1	11.4
10	---	---	---	7.8	7.0	7.5	9.6	8.2	9.0	11.6	11.1	11.3
11	---	---	---	8.1	7.6	7.9	9.8	8.9	9.5	12.2	11.5	11.9
12	---	---	---	8.1	7.4	7.9	10.1	9.7	9.9	12.2	11.2	11.8
13	---	---	---	8.6	7.3	7.9	10.2	9.7	9.9	11.3	10.6	11.1
14	---	---	---	9.5	8.6	9.1	10.3	9.7	10	10.9	9.9	10.6
15	---	---	---	10.2	9.1	9.5	10.1	9.7	9.9	10.1	9.7	9.9
16	---	---	---	9.9	8.7	9.2	10.1	9.2	9.8	10.5	10.0	10.3
17	---	---	---	8.8	8.2	8.5	---	---	---	10.9	10.3	10.6
18	---	---	---	---	8.2	---	---	---	---	11.0	9.4	10.2
19	---	---	---	---	---	---	---	---	---	10.5	9.3	9.9
20	---	---	---	---	---	---	---	---	---	12.1	10.3	11.4
21	---	---	---	---	---	---	---	---	---	12.6	11.6	12.2
22	---	---	---	---	---	---	---	---	---	12.4	11.7	12.0
23	---	---	---	---	---	---	---	---	---	12.3	11.6	11.9
24	---	---	---	---	---	---	---	---	---	11.8	10.9	11.5
25	---	---	---	8.5	8.1	8.4	---	---	---	11.1	10.2	10.7
26	---	---	---	9.0	8.3	8.6	---	---	---	11.7	11.1	11.5
27	---	---	---	8.8	7.5	8.4	---	---	---	11.6	11.4	11.5
28	---	---	---	8.5	7.5	7.8	---	---	---	12.3	11.5	12.0
29	---	6.7	---	9.6	8.5	9.3	---	---	---	12.6	12.0	12.3
30	7.2	6.7	6.9	10.3	9.6	10.0	---	9.6	---	12.1	11.2	11.7
31	7.1	6.6	6.9	---	---	---	10.4	9.7	10.1	11.8	11.2	11.6
MONTH	---	---	---	---	---	---	---	---	---	12.6	8.0	10.9

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.1	11.5	11.7	9.2	8.1	8.7	8.6	5.6	7.1	7.5	5.8	6.3
2	12.9	11.5	11.8	9.3	8.0	8.6	9.3	8.3	8.8	7.7	5.5	6.5
3	12.2	11.1	11.7	9.9	8.0	8.3	8.8	7.5	8.3	7.1	6.4	6.8
4	11.5	11.1	11.3	---	---	---	8.8	7.5	8.1	7.5	6.9	7.2
5	11.4	11.0	11.2	---	---	---	8.8	7.6	8.1	7.4	6.5	7.1
6	12.0	10.5	11.1	---	---	---	8.9	7.3	8.0	7.0	5.9	6.6
7	11.7	10.6	11.2	---	---	---	8.7	7.2	7.9	6.7	5.7	6.2
8	12.4	11.2	11.9	---	---	---	---	7.2	---	6.3	5.4	5.9
9	11.9	11.4	11.7	---	---	---	---	---	---	7.1	5.0	5.9
10	11.8	10.8	11.4	---	---	---	---	---	---	6.8	4.6	5.4
11	11.2	10.6	10.9	---	---	---	---	---	---	5.6	4.3	4.9
12	12.2	10.7	11.4	---	---	---	---	---	---	5.9	4.5	5.3
13	11.4	10.4	11.1	---	---	---	8.2	7.4	7.8	7.2	4.4	5.4
14	11.0	10.3	10.7	---	---	---	8.5	7.9	8.2	5.6	4.8	5.3
15	11.4	10.2	10.6	---	---	---	8.2	6.9	7.6	5.3	4.4	5.0
16	11.4	10.7	11.1	---	---	---	---	6.8	---	---	---	---
17	11.6	10.7	11.2	---	---	---	7.1	6.4	6.9	---	---	---
18	11.7	10.4	11.2	---	---	---	6.7	6.0	6.5	---	---	---
19	11.6	10.1	11.0	9.6	7.9	8.8	6.3	5.7	6.1	5.7	5.1	5.5
20	11.0	10.0	10.6	9.8	7.6	8.5	6.0	5.5	5.8	5.6	5.0	5.4
21	10.3	9.7	10.0	9.1	7.4	8.2	5.9	5.5	5.7	5.7	4.9	5.3
22	10.8	9.8	10.2	10.4	8.2	9.2	6.0	5.4	5.8	7.0	4.9	5.2
23	---	10.0	---	10.9	9.2	10.0	5.9	5.1	5.6	5.4	4.4	5.0
24	---	---	---	10.8	8.9	9.8	6.4	5.3	5.8	5.4	3.6	4.8
25	---	---	---	10.5	8.2	9.4	6.0	5.2	5.7	---	---	---
26	---	---	---	10.1	7.6	8.8	7.2	5.2	5.8	---	---	---
27	---	---	---	9.6	7.5	8.4	6.4	5.1	5.9	---	---	---
28	10.4	7.6	9.4	9.7	7.0	8.2	6.9	6.3	6.6	---	---	---
29	10.0	8.5	9.4	9.2	7.0	7.9	6.7	5.9	6.3	---	---	---
30	---	---	---	8.4	4.4	6.9	6.1	5.8	6.0	---	---	---
31	---	---	---	8.4	4.4	7.0	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.1	5.9	6.2	6.7	3.7	6.0	7.8	6.5	6.9
2	---	---	---	7.4	5.8	6.3	7.6	5.6	6.4	8.2	6.1	6.8
3	---	---	---	6.5	5.7	6.2	6.1	5.4	5.8	7.0	6.7	6.8
4	6.9	5.8	6.4	6.5	---	---	5.8	5.2	5.5	7.2	6.8	6.9
5	6.8	5.5	6.2	---	---	---	6.7	5.1	5.9	7.1	6.7	7.0
6	6.5	4.9	5.8	---	---	---	6.2	5.7	5.9	7.1	6.7	6.9
7	6.7	4.9	5.7	---	---	---	6.5	5.8	6.2	9.0	6.6	7.4
8	---	---	---	---	6.0	---	6.9	6.3	6.7	7.5	6.7	7.1
9	---	---	---	6.4	6.0	6.2	7.8	6.8	7.1	7.8	7.2	7.5
10	---	---	---	6.6	5.9	6.2	7.4	6.8	7.1	8.0	7.4	7.7
11	---	---	---	6.4	6.0	6.2	7.7	6.8	7.3	7.9	7.4	7.7
12	---	---	---	6.6	5.3	5.9	9.6	7.3	8.0	8.0	7.5	7.7
13	---	---	---	5.7	5.4	5.6	8.6	8.0	8.3	8.0	7.4	7.8
14	---	---	---	5.7	5.3	5.5	9.0	8.1	8.6	8.2	7.6	7.9
15	---	---	---	5.9	5.5	5.7	9.0	8.4	8.7	8.0	7.6	7.8
16	---	---	---	---	---	---	8.8	8.2	8.6	8.4	7.4	7.7
17	5.9	5.3	5.6	---	---	---	8.9	8.0	8.5	---	---	---
18	5.7	5.2	5.5	---	---	---	8.9	7.9	8.4	---	---	---
19	5.7	5.3	5.5	6.9	5.8	6.4	9.0	7.9	8.5	---	---	---
20	6.1	5.4	5.7	7.2	5.8	6.5	8.9	5.9	8.0	---	---	---
21	7.2	5.2	5.8	7.3	5.9	6.4	6.8	5.3	6.0	---	---	---
22	6.5	5.7	6.1	7.2	5.9	6.4	7.3	6.4	6.9	---	---	---
23	---	---	---	7.3	5.8	6.4	7.4	6.6	7.0	---	---	---
24	---	---	---	7.0	5.6	6.2	7.5	5.7	6.9	---	---	---
25	---	6.2	---	8.5	5.6	6.4	7.0	6.2	6.7	---	---	---
26	6.4	6.1	6.2	8.4	5.5	6.4	7.0	6.5	6.7	---	---	---
27	7.9	6.0	6.5	7.1	5.8	6.5	7.2	6.5	6.8	---	---	---
28	7.7	6.2	6.6	7.7	5.8	6.3	7.2	6.5	6.8	---	---	---
29	6.8	6.1	6.6	6.2	5.8	6.0	7.4	6.5	6.9	---	---	---
30	7.3	6.0	6.4	6.3	<0.5	5.1	7.1	6.3	6.7	---	---	---
31	---	---	---	5.1	4.3	4.8	7.3	6.4	6.8	---	---	---
MONTH	---	---	---	---	---	---	9.6	3.7	7.1	---	---	---

< Actual value is known to be less than the value shown

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	32	5.3	8.6	8.2	<5.0	5.9	10	6.4	7.9	9.3	<5.0	<5.0
2	46	5.4	6.8	14	7.1	10	12	6.1	7.2	6.1	<5.0	<5.0
3	---	---	---	18	9.9	14	10	<5.0	6.7	5.9	<5.0	<5.0
4	---	---	---	19	12	14	44	<5.0	18	5.8	<5.0	<5.0
5	---	---	---	330	12	17	14	6.2	7.7	530	<5.0	<5.0
6	8.0	<5.0	<5.0	210	120	160	8.5	<5.0	5.1	81	21	44
7	7.5	<5.0	5.3	140	91	98	6.0	<5.0	<5.0	22	12	15
8	410	6.8	27	---	---	---	8.3	<5.0	<5.0	14	8.8	10
9	29	8.4	12	---	---	---	5.2	<5.0	<5.0	46	10	18
10	9.9	5.8	7.3	---	---	---	260	<5.0	140	17	10	13
11	7.8	5.0	5.9	---	---	---	140	20	40	13	7.2	8.5
12	22	<5.0	5.3	---	---	---	21	9.8	13	9.6	6.3	7.4
13	7.1	<5.0	5.0	---	---	---	75	7.4	9.2	13	6.1	6.9
14	8.6	<5.0	5.0	---	---	---	130	38	79	31	6.3	8.2
15	12	<5.0	5.1	---	---	---	56	15	23	33	6.0	13
16	5.5	<5.0	<5.0	---	---	---	42	8.5	14	---	---	---
17	22	<5.0	<5.0	---	---	---	---	---	---	---	---	---
18	16	<5.0	5.2	---	---	---	---	---	---	---	---	---
19	7.1	<5.0	<5.0	---	---	---	---	---	---	---	---	---
20	13	<5.0	5.2	---	---	---	---	---	---	---	---	---
21	10	<5.0	<5.0	---	---	---	---	---	---	---	---	---
22	12	<5.0	<5.0	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	8.8	<5.0	<5.0
24	---	---	---	---	---	---	---	---	---	5.7	<5.0	<5.0
25	---	---	---	15	8.9	10	---	---	---	370	<5.0	100
26	---	---	---	24	7.5	9.1	---	---	---	93	24	44
27	---	---	---	270	7.3	9.1	---	---	---	33	12	20
28	---	---	---	150	44	68	---	---	---	33	9.6	12
29	11	5.2	5.8	67	13	24	---	---	---	18	5.7	7.6
30	8.2	<5.0	5.3	16	7.8	11	---	7.1	---	9.5	5.0	6.3
31	7.5	<5.0	<5.0	---	---	---	14	<5.0	6.2	7.9	<5.0	5.6
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	<5.0	5.3	8.8	5.4	5.9	31	5.3	7.2	140	7.9	15
2	380	<5.0	5.8	8.9	5.2	5.8	15	<5.0	5.3	830	26	63
3	240	27	74	9.5	5.1	5.6	20	<5.0	5.2	27	11	17
4	29	8.8	16	18	<5.0	5.5	22	<5.0	5.2	14	7.4	9.6
5	10	6.7	7.8	11	5.0	5.7	8.3	<5.0	5.2	12	6.2	7.9
6	820	6.7	150	190	5.3	16	68	<5.0	5.3	15	5.3	7.3
7	150	24	43	14	6.1	8.8	6.4	<5.0	5.0	12	5.6	7.3
8	25	11	16	8.5	5.4	6.8	20	<5.0	5.8	19	6.3	7.5
9	13	7.8	10	12	5.4	6.5	18	5.3	6.4	73	6.3	8.2
10	14	7.0	8.3	11	5.3	6.5	11	5.4	6.5	430	10	40
11	14	5.1	6.5	8.6	5.3	5.9	66	5.4	12	28	8.6	14
12	690	14	120	11	<5.0	5.9	1200	6.9	9.3	11	5.4	6.9
13	72	15	31	17	<5.0	5.4	370	56	120	120	6.3	13
14	93	14	54	12	<5.0	5.5	56	16	25	11	6.9	8.5
15	220	30	63	10	<5.0	5.2	19	9.1	12	11	6.2	7.7
16	85	14	29	8.2	<5.0	5.7	19	8.0	9.4	410	6.4	8.1
17	17	8.0	11	7.4	<5.0	5.5	13	7.4	8.6	520	20	56
18	10	5.9	8.3	13	<5.0	5.2	13	7.1	8.6	52	9.6	17
19	11	<5.0	7.1	7.0	<5.0	5.5	19	7.4	8.6	12	5.4	8.0
20	16	<5.0	5.8	7.6	<5.0	5.2	11	7.1	8.4	15	5.3	7.3
21	14	<5.0	5.1	12	<5.0	6.8	9.8	7.6	8.5	20	5.4	7.6
22	17	<5.0	5.4	7.8	<5.0	5.4	12	7.3	8.6	130	6.2	8.7
23	12	<5.0	5.6	6.8	<5.0	<5.0	19	8.5	11	12	7.2	9.2
24	15	6.4	8.3	11	<5.0	<5.0	14	6.3	9.2	17	6.4	8.0
25	---	---	---	7.7	<5.0	<5.0	20	6.2	9.4	---	---	---
26	---	---	---	7.5	<5.0	<5.0	150	8.8	21	---	---	---
27	---	12	---	7.6	<5.0	<5.0	20	9.4	12	---	---	---
28	14	7.4	9.7	8.7	<5.0	<5.0	170	8.9	12	---	---	---
29	8.0	5.7	6.7	8.2	<5.0	5.2	11	6.3	7.7	---	---	---
30	---	---	---	240	<5.0	17	10	6.6	8.2	---	---	---
31	---	---	---	24	6.5	10	---	---	---	---	---	---
MAX	---	---	---	240	6.5	17	1200	56	120	---	---	---
MIN	---	---	---	6.8	5.0	5.0	6.4	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown

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

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	630	31	140	13	5.4	7.2	830	<5.0	<5.0
2	---	---	---	650	53	130	1200	5.4	6.7	810	50	200
3	---	---	---	57	16	25	95	43	65	50	16	20
4	10	5.4	6.8	41	11	16	45	18	26	16	8.7	11
5	8.0	5.3	6.7	31	12	21	650	10	16	16	7.3	9.7
6	7.5	5.3	6.3	---	---	---	62	11	18	---	---	---
7	300	6.2	7.5	---	---	---	14	6.8	9.6	760	---	---
8	73	12	24	---	---	---	13	6.1	8.5	80	24	44
9	24	7.5	11	---	---	---	12	6.1	8.0	40	9.6	14
10	36	9.4	12	---	---	---	11	6.2	7.8	12	5.9	8.2
11	370	6.4	16	58	<5.0	8.8	12	7.4	9.2	9.2	<5.0	6.1
12	15	6.0	8.3	440	<5.0	6.1	1200	7.4	160	8.0	<5.0	<5.0
13	1700	8.2	31	27	7.7	10	65	18	34	5.8	<5.0	<5.0
14	380	28	72	15	6.1	8.4	20	8.6	14	6.0	<5.0	<5.0
15	600	14	23	12	7.1	8.6	13	5.5	8.0	6.8	<5.0	<5.0
16	250	31	76	---	---	---	7.8	<5.0	5.6	650	<5.0	6.0
17	68	8.8	13	---	---	---	7.5	<5.0	<5.0	330	42	70
18	11	6.2	8.2	---	---	---	8.7	<5.0	<5.0	---	---	---
19	8.8	<5.0	5.5	16	6.4	7.6	8.9	<5.0	<5.0	---	---	---
20	6.2	<5.0	<5.0	20	6.0	8.5	320	<5.0	<5.0	---	---	---
21	1400	<5.0	<5.0	12	6.7	9.1	100	9.9	21	9.3	5.7	6.4
22	170	26	54	---	---	---	10	<5.0	8.1	12	5.6	6.3
23	---	---	---	---	---	---	9.4	<5.0	6.0	200	6.0	8.0
24	---	---	---	---	---	---	13	<5.0	7.2	420	150	190
25	---	---	---	1300	5.5	---	7.9	<5.0	<5.0	220	43	140
26	52	15	22	840	39	100	7.3	<5.0	<5.0	43	<5.0	<5.0
27	1200	8.8	14	1100	16	31	5.3	<5.0	<5.0	770	<5.0	<5.0
28	1400	64	170	1600	45	89	5.3	<5.0	<5.0	310	35	76
29	510	50	120	48	18	26	6.8	<5.0	<5.0	38	16	23
30	770	22	40	37	8.9	13	8.1	<5.0	<5.0	---	---	---
31	---	---	---	16	6.7	9.0	8.3	<5.0	<5.0	---	---	---
MAX	---	---	---	---	---	---	1200	43	160	---	---	---
MIN	---	---	---	---	---	---	5.3	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown

ALTAMAHA RIVER BASIN
2004 Water Year

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°40'44", long 84°21'29", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03070103, on right upstream bank of Forest Park Road, 0.05 miles downstream of Poole Creek, 0.4 miles upstream of South River Tributary, and 1.7 miles upstream of Intrenchment Creek.

DRAINAGE AREA.—22.5 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 6, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
22...	0910	--	9	9	81345	2.84	7.4	4.7	--	7.0	--	7.0	197
22...	1030	--	9	9	81345	2.84	7.4	4.8	--	7.2	--	7.0	204
NOV													
18-18	2105	2107	9	J	81345	3.20	32	--	--	--	--	6.9	171
NOV													
18-18	2320	2322	9	J	81345	3.88	103	84	--	--	--	6.9	149
NOV													
19-19	0050	0052	9	J	81345	4.42	173	--	--	--	--	--	--
NOV													
19-19	0221	0223	9	J	81345	9.39	1100	--	--	--	--	--	--
NOV													
19-19	0306	0308	9	J	81345	10.91	1470	--	--	--	--	--	--
NOV													
19-19	0350	0352	9	J	81345	11.10	1500	59	--	6.7	--	7.0	172
JAN													
05-05	1436	1438	9	J	81345	3.50	60	170	--	8.5	--	7.0	161
JAN													
05-05	1516	1518	9	J	81345	5.75	378	350	--	8.5	--	6.8	106
JAN													
05-05	1601	1603	9	J	81345	5.77	382	380	--	8.9	--	6.7	101
JAN													
05-05	1646	1648	9	J	81345	5.31	311	560	--	8.6	--	6.8	80
JAN													
05-05	1731	1733	9	J	81345	5.16	287	230	--	8.7	--	6.7	83
JAN													
05-05	1816	1818	9	J	81345	5.38	322	180	--	8.7	--	6.7	80
14...	1030	--	9	9	81345	2.91	11	5.4	--	9.8	--	6.7	184
14...	1100	--	9	9	81345	2.89	9.8	6.5	--	9.8	--	6.7	183
28...	0900	--	9	9	81345	3.05	20	14	745	11.7	89	6.7	158
28...	0915	--	9	9	81345	3.05	20	15	745	11.9	90	6.8	164
FEB													
02-02	1615	1617	9	J	81345	3.47	57	74	--	12.5	--	7.0	174
FEB													
02-02	1745	1747	9	J	81345	5.90	403	360	--	13.0	--	6.7	116
FEB													
02-02	1915	1917	9	J	81345	5.87	398	300	--	13.1	--	6.9	80
FEB													
02-02	2045	2047	9	J	81345	4.85	239	150	--	12.4	--	6.9	98
FEB													
02-02	2300	2302	9	J	81345	4.48	183	160	--	12.5	--	6.8	72
FEB													
06-06	1221	1223	9	J	81345	7.29	665	320	--	12.5	--	6.9	72
11...	0915	--	9	9	81345	2.96	14	8.4	748	10.7	92	6.8	186
11...	0930	--	9	9	81345	2.96	15	8.9	748	10.6	90	6.9	170
MAR													
08...	1230	--	9	9	81345	2.90	11	10	740	9.1	88	7.1	160
08...	1315	--	9	9	81345	2.91	11	10	740	9.6	95	7.0	181
29...	0945	--	9	9	81345	2.86	12	6.0	752	8.9	91	6.8	203
29...	1000	--	9	9	81345	2.86	12	7.0	752	8.2	85	6.8	185
APR													
12...	1030	--	9	9	81345	3.10	24	6.1	741	8.2	85	6.9	162
12...	1045	--	9	9	81345	3.10	23	9.7	741	7.6	79	7.0	157
MAY													
01-01	0540	0542	9	J	81345	3.77	102	130	--	6.9	--	6.9	158
MAY													
01-01	0602	0604	9	J	81345	3.79	104	120	--	6.8	--	6.9	157
MAY													
02-02	0041	0043	9	J	81345	7.23	644	E620	--	7.6	--	E6.9	68
MAY													
02-02	0126	0128	9	J	81345	7.10	618	E420	--	7.7	--	6.7	E60
MAY													
02-02	0211	0213	9	J	81345	6.08	431	280	--	7.4	--	7.3	67
MAY													
02-02	0341	0343	9	J	81345	4.75	235	120	--	5.6	--	6.9	107
10...	1000	--	9	9	81345	2.72	6.7	17	755	6.5	73	7.0	160
10...	1015	--	9	9	81345	2.72	6.7	16	755	7.5	83	7.0	171
24...	1010	--	9	9	81345	2.76	8.3	7.9	750	6.0	70	7.0	172
24...	1015	--	9	9	81345	2.76	8.3	3.4	750	6.7	77	7.0	177
JUN													
07-07	1743	1745	9	J	81345	2.82	11	15	--	6.6	--	6.9	180
JUN													
07-07	1813	1815	9	J	81345	3.62	86	83	--	6.6	--	6.9	169
JUN													
07-07	1843	1845	9	J	81345	3.94	121	220	--	6.7	--	6.9	161
JUN													
07-07	1913	1915	9	J	81345	3.77	102	290	--	4.0	--	6.7	171
JUN													
07-07	2013	2015	9	J	81345	3.46	67	110	--	.6	--	6.6	193

ALTAMAHA RIVER BASIN
2004 Water Year
02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
22...	16.0	57	17	14.2	5.18	3.37	.6	9.77	26	40.4	<.02	11.0	19.3
22...	16.0	61	22	15.6	5.35	3.60	.6	10.1	25	39.0	.1	11.5	19.0
NOV													
18-18	--	61	26	15.5	5.33	4.15	.5	8.42	22	34.7	.1	11.2	18.0
NOV													
18-18	--	45	18	11.7	3.84	4.31	.5	7.04	23	27.0	M	8.36	12.9
NOV													
19-19	--	39	14	10.2	3.35	4.21	.4	6.36	24	25.3	.1	7.18	11.4
NOV													
19-19	--	15	.0	4.24	.93	3.45	.3	2.74	24	13.8	<.02	2.00	2.92
NOV													
19-19	--	12	.0	3.56	.69	2.95	.2	1.71	19	11.6	<.02	1.93	2.26
NOV													
19-19	--	16	3	4.77	1.03	4.03	.4	3.25	25	13.1	<.02	2.33	3.64
JAN													
05-05	8.5	24	3	6.93	1.52	2.40	.3	3.25	21	21.1	<.02	4.99	8.90
JAN													
05-05	15.0	23	2	6.73	1.49	2.44	.3	3.44	22	21.3	<.02	4.73	8.18
JAN													
05-05	14.6	24	2	6.88	1.57	2.41	.3	3.32	21	22.2	<.02	5.03	8.82
JAN													
05-05	14.5	23	1	6.66	1.45	2.40	.3	3.38	22	21.3	<.02	4.76	8.04
JAN													
05-05	14.0	--	--	--	--	--	--	--	--	--	<.02	9.83	--
JAN													
05-05	14.0	--	--	--	--	--	--	--	--	--	M	6.02	--
14...	6.4	--	--	--	--	--	--	--	--	--	M	4.97	--
14...	6.5	--	--	--	--	--	--	--	--	--	<.02	5.07	--
28...	3.0	--	--	--	--	--	--	--	--	--	<.02	5.34	--
28...	3.0	--	--	--	--	--	--	--	--	--	<.02	5.81	--
FEB													
02-02	5.3	52	22	13.2	4.70	2.65	.6	10.3	29	30.3	<.02	12.1	14.9
FEB													
02-02	5.0	31	20	8.54	2.35	2.21	.4	5.52	26	10.9	<.02	7.27	6.08
FEB													
02-02	4.3	26	7	7.00	2.04	1.91	.4	4.19	24	19.3	M	4.63	7.26
FEB													
02-02	4.2	29	6	7.00	2.82	2.01	.5	6.06	29	23.2	<.02	7.46	11.2
FEB													
02-02	4.1	19	4	4.78	1.80	1.87	.5	4.84	33	15.3	<.02	6.18	6.98
FEB													
06-06	6.9	23	4	6.51	1.70	1.83	.4	4.00	25	18.9	<.02	4.78	5.50
11...	7.8	57	21	14.4	4.96	2.72	.5	8.50	24	35.9	<.02	9.57	16.5
11...	7.5	54	17	13.4	4.97	2.57	.5	8.42	24	36.8	<.02	9.18	17.4
MAR													
08...	12.5	60	18	15.8	4.88	2.78	.5	8.69	23	41.5	<.02	10.9	15.7
08...	13.5	60	20	15.7	4.92	2.58	.4	7.96	22	39.6	<.02	11.6	16.5
29...	16.0	61	20	15.4	5.51	2.91	.5	9.77	25	41.0	.1	11.4	16.1
29...	16.5	60	15	14.8	5.59	2.74	.5	9.52	25	44.6	.1	10.8	16.8
APR													
12...	16.0	54	15	14.0	4.67	3.01	.5	8.38	24	39.4	.1	8.95	15.9
12...	16.0	51	8	12.8	4.47	2.91	.5	8.34	25	42.6	.1	8.51	16.1
MAY													
01-01	18.0	50	19	12.8	4.37	3.18	.5	7.60	23	31.4	.1	8.73	14.9
MAY													
01-01	18.0	51	21	13.1	4.36	3.26	.5	7.74	23	29.6	.1	7.99	13.9
MAY													
02-02	19.2	20	5	5.66	1.32	2.26	.3	3.27	24	14.5	M	2.38	5.43
MAY													
02-02	19.3	21	8	6.20	1.43	2.44	.3	3.29	23	13.5	M	2.33	4.63
MAY													
02-02	19.5	22	4	6.36	1.57	2.53	.4	3.88	25	18.2	.1	2.95	5.61
MAY													
02-02	19.5	33	--	7.99	3.19	2.65	.4	5.73	25	34.9	.1	5.55	13.7
10...	20.5	49	4	12.5	4.27	3.04	.5	8.30	26	44.5	.1	8.75	15.9
10...	20.0	63	26	17.5	4.64	3.67	.6	10.6	26	36.8	.1	10.1	19.7
24...	22.0	51	4	13.1	4.47	3.06	.5	9.01	26	46.9	.1	9.08	17.2
24...	21.5	54	11	14.3	4.49	3.36	.6	10.1	27	43.5	.1	9.64	17.3
JUN													
07-07	22.5	58	23	15.4	4.65	3.45	.5	9.05	24	34.2	.1	10.7	18.0
JUN													
07-07	22.9	53	25	14.5	4.10	3.61	.5	8.36	24	28.3	.1	10.1	15.0
JUN													
07-07	23.0	50	29	13.9	3.72	3.42	.5	7.68	24	20.9	.1	7.99	12.9
JUN													
07-07	23.0	53	36	14.7	3.89	3.57	.5	8.53	24	17.0	.1	8.68	11.4
JUN													
07-07	23.0	52	36	14.6	3.71	3.84	.6	9.83	27	15.9	.1	7.82	9.81

ALTAMAHA RIVER BASIN
2004 Water Year
02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
OCT													
22...	25.0	116	.16	.06	.049	.77	<.020	--	<.100	<.10	1.00	--	--
22...	29.0	122	.17	.06	.048	.88	<.020	--	<.100	<.10	1.08	400	320
NOV													
18-18	29.4	117	.16	.07	.051	.93	<.020	--	<.100	<.10	1.30	--	--
NOV													
18-18	23.1	91	.12	.09	.067	.70	<.020	--	<.100	<.10	.99	--	--
NOV													
19-19	20.5	81	.11	.07	.054	.58	<.020	--	<.100	<.10	.70	--	--
NOV													
19-19	6.7	33	.04	--	<.020	.28	<.020	--	<.100	<.10	.25	24000k@	52000k@
NOV													
19-19	4.8	26	.04	--	<.020	.27	<.020	--	<.100	<.10	.22	--	--
NOV													
19-19	5.5	34	.05	.10	.076	.33	<.020	--	<.100	.10	.50	--	--
JAN													
05-05	5.4	49	.07	.13	.102	.46	<.020	.350	.114	.01	.77	--	--
JAN													
05-05	5.3	47	.06	.11	.085	.45	<.020	.251	.082	.01	.73	--	--
JAN													
05-05	5.4	49	.07	.13	.099	.46	<.020	--	<.006	<.01	.85	--	--
JAN													
05-05	5.3	47	.06	.11	.083	.46	<.020	.205	.067	.01	.71	--	--
JAN													
05-05	25.8	--	--	--	--	.73	<.020	--	--	--	--	--	--
JAN													
05-05	20.4	--	--	--	--	.53	<.020	--	--	--	--	--	--
14...	16.6	--	--	.46	.358	.42	<.020	--	<.100	<.10	1.52	3200	610k
14...	9.9	--	--	.43	.337	.38	<.020	--	<.100	<.10	1.36	--	--
28...	8.5	--	--	.20	.158	.40	<.020	--	<.100	<.10	1.41	--	--
28...	7.8	--	--	.21	.162	.40	<.020	--	<.100	<.10	1.49	1500	740
FEB													
02-02	24.1	105	.14	.23	.175	.98	<.020	--	<.100	<.10	1.46	--	--
FEB													
02-02	22.6	65	.09	.33	.260	.69	<.020	--	<.100	<.10	1.21	--	--
FEB													
02-02	9.7	51	.07	.15	.114	.51	<.020	--	<.100	<.10	.80	--	--
FEB													
02-02	8.9	63	.09	.12	.097	.73	<.020	--	<.100	<.10	1.06	--	--
FEB													
02-02	6.7	45	.06	.28	.215	.48	<.020	--	<.100	<.10	.93	--	--
FEB													
06-06	8.0	46	.06	.15	.116	.46	<.020	--	<.100	<.10	.81	--	--
11...	24.8	109	.15	.23	.178	1.08	<.020	--	<.100	<.10	1.49	440	390
11...	22.1	105	.14	.24	.186	1.00	<.020	--	<.100	<.10	1.45	--	--
MAR													
08...	18.6	106	.14	.12	.090	.66	<.020	--	<.100	<.10	.81	--	--
08...	22.7	110	.15	.12	.090	.79	<.020	--	<.100	<.10	.97	720	220
29...	27.4	117	.16	.12	.090	.74	<.020	--	<.100	<.10	.80	5400	3700k
29...	22.7	113	.15	.10	.080	.64	<.020	--	<.100	<.10	.71	--	--
APR													
12...	21.0	103	.14	.16	.126	.57	<.020	--	<.100	<.10	.84	290	380
12...	17.2	99	.13	.10	.078	.49	.020	--	<.100	<.10	.90	--	--
MAY													
01-01	24.0	99	.13	--	<.020	.91	.020	--	<.100	<.10	1.45	--	--
MAY													
01-01	27.7	100	.14	--	<.020	.88	.030	--	<.100	<.10	1.42	--	--
MAY													
02-02	9.2	41	.06	--	<.020	.47	<.020	--	<.100	<.10	1.15	--	--
MAY													
02-02	9.2	40	.05	.07	.056	.44	<.020	--	<.100	<.10	.85	--	--
MAY													
02-02	7.0	44	.06	.03	.027	.50	<.020	--	<.100	<.10	.80	--	--
MAY													
02-02	6.8	71	.10	.03	.026	.80	.020	--	<.100	<.10	1.54	--	--
10...	15.4	99	.13	.17	.130	.55	.030	--	<.100	<.10	.80	--	--
10...	22.4	115	.16	.16	.127	.75	.030	--	<.100	<.10	1.12	4900	4400k
24...	18.1	106	.14	.29	.224	.50	.020	--	<.100	<.10	.84	--	--
24...	21.4	110	.15	.31	.238	.56	.020	--	<.100	<.10	.71	>240000k	>100000ke
JUN													
07-07	25.3	111	.15	--	<.020	.89	<.020	--	<.100	.38	1.28	--	--
JUN													
07-07	28.6	108	.15	.04	.030	1.39	<.020	--	<.100	<.10	2.24	--	--
JUN													
07-07	32.2	101	.14	--	<.020	1.56	<.020	--	<.100	<.10	2.15	--	--
JUN													
07-07	46.4	114	.16	--	<.020	1.53	<.020	--	<.100	<.10	2.23	--	--
JUN													
07-07	47.8	113	.15	--	<.020	1.41	<.020	--	<.100	<.10	1.98	--	--

Date	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT				
22...	--	70.9	<100	60
22...	9210	73.2	<100	70
NOV				
18-18	--	105	<100	70
NOV				
18-18	--	125	<100	50
NOV				
19-19	--	118	110	50
NOV				
19-19	>240000k@	129	<100	20
NOV				
19-19	--	<100	<100	10
NOV				
19-19	--	158	140	20
JAN				
05-05	--	<30.0	130	40
JAN				
05-05	--	37.9	<100	40
JAN				
05-05	--	32.2	<100	40
JAN				
05-05	--	39.7	120	40
JAN				
05-05	--	--	--	--
JAN				
05-05	--	--	--	--
14...	22000	--	--	--
14...	--	--	--	--
28...	--	--	--	--
28...	19200	--	--	--
FEB				
02-02	--	33.6	180	60
FEB				
02-02	--	43.0	<100	40
FEB				
02-02	--	47.1	320	30
FEB				
02-02	--	33.7	380	40
FEB				
02-02	--	28.4	290	20
FEB				
06-06	--	38.4	<100	30
11...	4700	49.8	140	70
11...	--	56.8	120	60
MAR				
08...	--	66.6	130	70
08...	12000	34.5	<100	70
29...	23000	47.4	<100	70
29...	--	36.9	<100	70
APR				
12...	15000	51.5	<100	70
12...	--	51.4	<100	60
MAY				
01-01	--	82.9	180	60
MAY				
01-01	--	84.7	300	60
MAY				
02-02	--	74.9	<100	20
MAY				
02-02	--	82.1	130	30
MAY				
02-02	--	73.2	260	30
MAY				
02-02	--	18.5	860	40
10...	--	36.4	100	70
10...	240000	94.6	200	80
24...	--	47.4	350	60
24...	>240000k	52.5	120	70
JUN				
07-07	--	44.5	<100	70
JUN				
07-07	--	38.3	<100	70
JUN				
07-07	--	39.1	<100	70
JUN				
07-07	--	51.2	<100	70
JUN				
07-07	--	70.5	<100	70

Date	Time	End time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
JUN													
07-07	2113	2115	9	J	81345	3.24	46	80	--	.5	--	6.6	173
JUN													
07-07	2213	2215	9	J	81345	3.13	35	64	--	3.1	--	6.6	150
JUN													
14-14	1246	1248	9	J	81345	3.25	110	85	--	6.9	--	6.8	110
JUN													
14-14	1316	1318	9	J	81345	3.46	65	370	--	6.8	--	6.8	92
JUN													
14-14	1346	1348	9	J	81345	3.82	105	310	--	6.9	--	6.8	97
JUN													
14-14	1416	1418	9	J	81345	3.73	96	230	--	6.5	--	6.8	84
JUN													
14-14	1446	1448	9	J	81345	3.50	69	220	--	6.3	--	6.7	80
JUN													
15-15	1611	1613	9	J	81345	3.34	53	150	--	6.8	--	6.9	109
JUN													
15-15	1620	1622	9	J	81345	3.39	53	240	--	6.8	--	6.9	107
JUN													
15-15	1650	1652	9	J	81345	4.52	200	450	--	--	--	6.9	102
JUN													
15-15	1720	1722	9	J	81345	5.63	360	550	--	6.8	--	6.7	87
JUN													
15-15	1750	1752	9	J	81345	5.27	310	500	--	6.9	--	6.6	90
JUN													
15-15	1820	1822	9	J	81345	4.75	233	450	--	6.7	--	6.8	88
JUN													
15-15	1850	1852	9	J	81345	4.43	187	240	--	6.5	--	6.7	88
21...	0930	--	9	9	81345	2.67	5.2	4.7	--	6.4	--	7.0	168
21...	0935	--	9	9	81345	2.67	5.2	5.0	--	6.4	--	7.0	169
JUL													
19...	0755	--	9	9	81345	2.82	10	7.0	743	6.8	81	7.1	192
19...	0800	--	9	9	81345	2.82	10	5.9	743	7.2	86	7.1	202
AUG													
12-12	0710	0720	9	J	81345	8.48	900	670	--	7.4	--	7.0	42
AUG													
12-12	0715	0725	9	J	81345	8.48	900	1100	--	6.6	--	8.4	57
AUG													
12-12	0735	0745	9	J	81345	9.59	1140	1100	736	8.5	102	6.6	47
AUG													
12-12	0740	0750	9	J	81345	9.59	1140	1200	736	7.5	91	6.9	37
AUG													
12-12	0825	0835	9	J	81345	9.48	1120	560	736	8.3	100	6.6	55
AUG													
12-12	0830	0840	9	J	81345	9.48	1120	190	736	6.4	76	7.0	77
AUG													
12-12	1110	1125	9	J	81345	6.88	576	680	738	7.2	85	6.4	41
AUG													
12-12	1115	1130	9	J	81345	6.88	576	2360	738	7.4	88	6.8	42

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
JUN													
07-07	23.0	45	24	12.9	3.15	3.51	.5	7.67	25	21.4	.1	7.19	9.57
JUN													
07-07	23.5	43	19	12.3	2.88	3.36	.5	7.18	25	23.9	.1	6.81	9.62
JUN													
14-14	24.0	41	16	12.0	2.65	3.42	.4	6.07	23	25.2	M	5.0	13.2
JUN													
14-14	24.5	30	12	8.90	1.94	3.17	.4	4.70	23	18.4	M	3.5	10.5
JUN													
14-14	25.0	39	16	11.6	2.48	3.40	.4	5.86	23	23.1	M	4.8	11.4
JUN													
14-14	25.0	31	13	9.30	1.96	3.08	.4	4.56	22	18.2	M	2.8	9.51
JUN													
14-14	25.0	30	12	9.10	1.85	3.43	.4	4.73	23	18.7	M	2.6	9.41
JUN													
15-15	24.5	42	13	12.2	2.77	3.81	.4	6.32	23	29.4	M	5.0	14.7
JUN													
15-15	24.5	39	12	11.3	2.64	3.40	.4	5.68	22	27.6	M	4.5	14.7
JUN													
15-15	24.4	35	12	10.1	2.41	3.01	.5	6.37	26	23.7	M	5.3	12.7
JUN													
15-15	24.5	31	18	9.30	1.98	2.83	.4	4.94	24	13.7	M	3.3	8.59
JUN													
15-15	24.5	31	18	9.40	1.93	3.10	.4	4.91	23	13.8	M	3.1	7.88
JUN													
15-15	24.5	33	16	9.90	2.03	3.03	.3	4.40	21	17.6	M	2.9	8.93
JUN													
15-15	24.5	34	11	9.80	2.25	3.36	.3	4.58	21	22.8	M	3.5	11.8
21...	24.5	55	16	14.5	4.47	3.08	.5	8.69	24	39.0	.1	9.9	15.6
21...	24.5	52	11	13.6	4.33	3.06	.5	8.51	25	41.1	.1	9.0	15.2
JUL													
19...	23.0	62	15	16.1	5.33	3.18	.5	9.14	23	47.4	.1	9.4	16.5
19...	23.0	64	24	17.1	5.22	3.23	.5	9.24	23	40.2	.1	10.1	15.8
AUG													
12-12	23.0	13	4	3.60	.87	2.12	.2	1.97	22	8.3	M	1.3	2.79
AUG													
12-12	22.8	12	3	3.50	.89	2.05	.2	1.77	20	9.4	M	1.4	2.80
AUG													
12-12	22.8	11	3	3.30	.74	1.98	.3	1.99	24	8.7	M	1.1	2.37
AUG													
12-12	23.0	11	3	3.00	.74	1.82	.2	1.50	20	7.9	M	1.1	2.28
AUG													
12-12	22.6	17	3	4.80	1.26	2.31	.3	3.26	26	14.2	M	2.4	5.34
AUG													
12-12	22.0	14	2	4.10	.88	2.19	.3	2.60	25	11.4	M	2.0	3.51
AUG													
12-12	22.1	8	1	2.00	.84	1.73	.3	2.08	30	7.3	<.01	1.0	3.46
AUG													
12-12	22.5	14	4	3.90	1.04	2.20	.4	3.37	30	10.4	M	2.4	3.90

ALTAMAHA RIVER BASIN
2004 Water Year
02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
JUN 07-07	30.6	93	.13	--	<.020	1.23	<.020	<.100	<.10	1.67	--	--	--
JUN 07-07	21.9	83	.11	--	<.020	1.08	<.020	<.100	<.10	1.49	--	--	--
JUN 14-14	14.2	75	.10	--	<.010	.67	<.010	<.050	<.050	--	--	--	--
JUN 14-14	10.2	57	.08	--	<.010	.70	<.010	<.050	<.050	--	--	--	--
JUN 14-14	12.4	69	.09	--	<.010	.73	<.010	<.050	<.050	--	--	--	--
JUN 14-14	9.6	55	.07	--	<.010	.70	<.010	<.050	<.050	.83	--	--	--
JUN 14-14	9.9	56	.08	.03	.020	.74	<.010	<.050	<.050	1.66	--	--	--
JUN 15-15	12.4	78	.11	--	<.010	.64	<.010	<.050	<.050	--	--	--	--
JUN 15-15	11.2	73	.10	--	<.010	.63	<.010	<.050	<.050	--	--	--	--
JUN 15-15	13.9	72	.10	--	<.010	.89	<.010	<.050	<.050	--	--	--	--
JUN 15-15	18.2	61	.08	--	<.010	.72	<.010	<.050	<.050	.96	--	--	--
JUN 15-15	19.1	61	.08	--	<.010	.80	<.010	<.050	<.050	1.09	--	--	--
JUN 15-15	13.1	58	.08	--	<.010	.61	<.010	<.050	<.050	.71	--	--	--
JUN 15-15	10.7	62	.08	--	<.010	.57	<.010	<.050	<.050	.84	--	--	--
21...	23.6	106	.14	.08	.060	.57	<.010	<.050	<.050	--	2900	3200	28500
21...	20.1	101	.14	.08	.060	.51	<.010	<.050	<.050	1.34	--	--	--
JUL 19...	24.9	116	.16	.10	.080	.55	<.010	<.050	<.050	--	--	--	--
19...	32.0	121	.16	.06	.050	.67	<.010	<.050	<.050	--	410	750k	15000
AUG 12-12	5.5	25	.03	--	--	.36	<.010	--	--	--	36000	270000	1730000
AUG 12-12	5.9	26	.03	--	--	.38	<.010	--	--	--	--	--	--
AUG 12-12	5.0	23	.03	--	--	.32	<.010	--	--	--	--	--	--
AUG 12-12	4.9	21	.03	--	--	.32	<.010	--	--	--	32000	210000k	1600000
AUG 12-12	5.0	34	.05	--	--	.30	<.010	--	--	--	--	--	--
AUG 12-12	4.7	28	.04	--	--	.30	<.010	--	--	--	24000	130000k	1000000
AUG 12-12	3.1	20	.03	--	--	.31	<.010	--	--	--	--	--	--
AUG 12-12	4.7	29	.04	--	--	.35	<.010	--	--	--	19000	150000k	1000000

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
JUN 07-07	32.3	<100	60
JUN 07-07	38.3	<100	60
JUN 14-14	--	<50	60
JUN 14-14	--	240	50
JUN 14-14	--	170	60
JUN 14-14	--	200	50
JUN 14-14	--	200	50
JUN 15-15	--	120	60
JUN 15-15	--	160	60
JUN 15-15	--	<50	50
JUN 15-15	--	<50	50
JUN 15-15	--	<50	50
JUN 15-15	--	130	50
JUN 15-15	--	260	50
21...	--	<50	70
21...	--	<50	70
JUL 19...	--	270	80
19...	--	<50	80
AUG 12-12	--	<50	20
AUG 12-12	--	<50	20
AUG 12-12	--	<50	10
AUG 12-12	--	<50	10
AUG 12-12	--	150	20
AUG 12-12	--	<50	20
AUG 12-12	--	<50	10
AUG 12-12	--	<50	20

ALTAMAHA RIVER BASIN
2004 Water Year
02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)
OCT													
22...	0911	9	80020	2.84	4.7	--	7.1	7.0	197	16.0	2	.19	<.8
22...	1031	9	80020	2.84	4.8	--	7.2	7.0	204	16.0	3	.25	<.8
NOV													
19-19	0222	J	80020	9.78	--	--	--	--	--	--	34	.04	<.8
NOV													
19-19	0307	J	80020	10.91	--	--	--	--	--	--	30	E.03n	<.8
JAN													
14...	1031	9	80020	2.91	5.4	--	9.8	6.7	184	6.4	6	.38	<.8
14...	1101	9	80020	2.89	6.5	--	9.8	6.7	183	6.5	4	.25	<.8
28...	0901	9	80020	3.05	14	745	11.7	6.7	158	3.0	5	.26	<.8
28...	0916	9	80020	3.05	15	745	11.9	6.8	164	3.0	5	.28	<.8
FEB													
11...	0916	9	80020	2.96	8.4	748	10.7	6.8	186	7.8	5	.39	<.8
11...	0931	9	80020	2.96	8.9	748	10.6	6.9	170	7.5	4	.27	<.8
MAR													
08...	1231	9	80020	2.90	10	740	9.1	7.1	160	12.5	3	.16	<.8
08...	1316	9	80020	2.91	10	740	9.6	7.0	181	13.5	4	.26	<.8
29...	1001	9	80020	2.86	7.0	752	8.2	6.8	185	16.5	3	.28	<.8
APR													
12...	1031	9	80020	3.10	6.1	741	8.2	6.9	162	16.0	6	.29	<.8
12...	1046	9	80020	3.10	9.7	741	7.6	7.0	157	16.0	5	.21	<.8
MAY													
10...	1001	9	80020	2.72	17	755	6.5	7.0	160	20.5	9	.14	<.8
10...	1016	9	80020	2.72	16	755	7.5	7.0	171	20.0	18	.24	<.8
24...	1011	9	80020	2.76	7.9	750	6.0	7.0	172	22.0	7	.10	<.8
24...	1016	9	80020	2.76	3.4	750	6.7	7.0	177	21.5	9	.13	<.8
JUN													
21...	0931	9	80020	2.67	4.7	--	6.4	7.0	168	24.5	3	.12	<.8
21...	0936	9	80020	2.67	5.0	--	6.4	7.0	169	24.5	3	.09	<.8
JUL													
19...	0756	9	80020	2.82	7.0	743	6.8	7.1	192	23.0	4	.20	<.8
19...	0801	9	80020	2.82	5.9	743	7.2	7.1	202	23.0	4	.27	<.8
AUG													
12-12	0711	J	80020	8.48	670	--	7.4	7.0	42	23.0	21	.06	<.8
AUG													
12-12	0716	J	80020	8.48	1100	--	8.4	6.6	57	22.8	16	.06	6.4
AUG													
12-12	0736	J	80020	9.59	1100	736	8.5	6.6	47	22.8	13	.05	<.8
AUG													
12-12	0741	J	80020	9.59	1200	736	7.5	6.9	37	23.0	21	.04	<.8
AUG													
12-12	0826	J	80020	9.48	560	736	8.3	6.6	55	22.6	17	.04	<.8
AUG													
12-12	0831	J	80020	9.48	190	736	6.4	7.0	77	22.0	22	.05	<.8
AUG													
12-12	1111	J	80020	6.88	680	738	7.2	6.4	41	22.1	19	<.04	<.8
AUG													
12-12	1116	J	80020	6.88	2300	738	7.4	6.8	42	22.5	13	E.03n	<.8

Date	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT						
22...	2.6	.08	250	2.32	<.2	97.8
22...	3.0	E.07n	239	2.66	<.2	126
NOV						
19-19	3.6	.47	60.9	1.02	<.2	21.3
NOV						
19-19	2.5	.52	57.1	.78	<.2	14.8
JAN						
14...	4.0	.09	393	3.23	<.2	173
14...	3.4	.12	416	3.09	<.2	121
28...	2.2	.13	276	2.04	<.2	101
28...	2.8	.15	274	2.13	<.2	113
FEB						
11...	2.9	.10	365	2.91	<.2	144
11...	2.4	.08	355	2.42	<.2	107
MAR						
08...	2.1	.14	269	1.99	<.2	61.2
08...	2.5	.11	286	2.39	<.2	91.2
29...	1.8	E.04n	290	2.15	<.2	99.0
APR						
12...	3.1	.11	305	2.38	<.2	109
12...	2.5	.13	304	2.07	<.2	77.4
MAY						
10...	3.3	.17	936	2.90	<.2	51.1
10...	3.7	.34	561	3.94	<.2	82.3
24...	1.9	.20	782	1.65	<.2	30.6
24...	2.3	.20	447	1.67	<.2	38.1
JUN						
21...	1.7	.10	412	1.72	<.2	48.0
21...	1.6	E.07n	484	1.53	<.2	38.1
JUL						
19...	1.7	E.07n	476	2.58	<.2	79.0
19...	1.8	E.05n	421	2.90	<.2	97.0
AUG						
12-12	3.8	.28	70.1	.87	<.2	14.8
AUG						
12-12	3.6	.23	63.7	.86	<.2	13.1
AUG						
12-12	2.9	.19	61.6	.71	<.2	9.4
AUG						
12-12	2.8	.23	63.5	.65	<.2	9.3
AUG						
12-12	3.0	.39	106	.89	<.2	9.6
AUG						
12-12	3.3	.44	68.0	.79	<.2	10.1
AUG						
12-12	2.1	.17	91.2	1.27	<.2	3.0
AUG						
12-12	2.7	.23	88.0	1.31	<.2	6.8

ALTAMAHA RIVER BASIN
2004 Water Year
02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)
OCT													
22...	1031	--	80020	2.84	4.8	--	7.2	--	7.0	204	16.0	<.5	<.5
JAN													
14...	1031	--	80020	2.91	5.4	--	9.8	--	6.7	184	6.4	E.1	<.5
28...	0916	--	80020	3.05	15	745	11.9	90	6.8	164	3.0	<.5	<.5
FEB													
11...	0916	--	80020	2.96	8.4	748	10.7	92	6.8	186	7.8	<.5	<.5
MAR													
08...	1316	--	80020	2.91	10	740	9.6	95	7.0	181	13.5	<.5	<.5
29...	0946	--	80020	2.86	6.0	752	8.9	91	6.8	203	16.0	<.5	<.5
APR													
12...	1031	--	80020	3.10	6.1	741	8.2	85	6.9	162	16.0	<.5	<.5
MAY													
10...	1016	--	80020	2.72	16	755	7.5	83	7.0	171	20.0	<.5	M
24...	1016	--	80020	2.76	3.4	750	6.7	77	7.0	177	21.5	<.5	<.5
JUN													
21...	0931	--	80020	2.67	4.7	--	6.4	--	7.0	168	24.5	E.1	<.5
JUL													
19...	0801	--	80020	2.82	5.9	743	7.2	86	7.1	202	23.0	<.5	<.5
AUG													
12-12	0711	0721	80020	8.48	670	736	7.4	90	7.0	42	23.0	<.5	<.5
AUG													
12-12	0741	0751	80020	9.59	1200	736	7.5	91	6.9	37	23.0	Mt	Mt
AUG													
12-12	0831	0841	80020	9.48	190	736	6.4	76	7.0	77	22.0	--r	--r
AUG													
12-12	1116	1131	80020	6.88	2300	738	7.4	88	6.8	42	22.5	<.5	<.5

Date	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
22...	<.5	<.5	M	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	E.1
JAN													
14...	<.5	<.5	M	M	<5	<1	<1	E1	<1	<2	<.5	<.5	E.1
28...	<.5	<.5	<2	M	<5	<1	<1	E2	<1	<2	E.1	E.1	E.1
FEB													
11...	<.5	<.5	<2	M	<5	<1	<1	E1	<1	<2	<.5	<.5	E.1
MAR													
08...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	M	<.5	<.5
29...	<.5	<.5	<2	M	<5	M	<1	<5	<1	<2	<.5	<.5	E.1
APR													
12...	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	E.1	E.1	E.1
MAY													
10...	<.5	M	<2	<1	<5	<1	<1	M	<1	<2	E.2	<.5	E.1
24...	<.5	<.5	E2	M	<5	<1	<1	E2	<1	M	E.1	<.5	E.1
JUN													
21...	<.5	<.5	E1	M	<5	<1	<1	E1	<1	<2	E.1	<.5	E.1
JUL													
19...	<.5	<.5	<2	<1	<5	<1	<1	E3t	Mt	<2	<.5	<.5	E.1t
AUG													
12-12	<.5	<.5	Mt	<1	<5	<1	<1	E1t	<1	<2	E.1t	<.5	<.5
AUG													
12-12	Mt	Mt	Mt	Mt	<5	<1	<1	Mt	<1	<2	E.2t	<.5	Mt
AUG													
12-12	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG													
12-12	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5

Date	Anthracene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)
OCT													
22...	<.5	<.5	<.5	<2	<2	<1	.8	E.1	<.5	<1	<.5	<.5	M
JAN													
14...	<.5	<.5	E.1	<2	<2	M	.6	.6	M	<1	<.5	<.5	E1
28...	M	<.5	E.1	<2	<2	<1	.5	E.3	M	<1	<.5	<.5	<2
FEB													
11...	<.5	<.5	E.1	<2	<2	M	.6	E.2	<.5	<1	<.5	<.5	M
MAR													
08...	<.5	<.5	M	<2	<2	<1	.5	E.1	<.5	<1	<.5	<.5	<2
29...	<.5	<.5	M	<2	<2	<1	2.7	E.4	<.5	<1	<.5	<.5	<2
APR													
12...	<.5	<.5	E.1	<2	<2	<1	.7	E.3	M	<1	M	<.5	<2
MAY													
10...	M	<.5	E.1	<2	<2	M	1.5	E.3	E.1	<1	M	<.5	<2
24...	<.5	<.5	E.1	E2	E2	M	1.1	E.4	E.1	<1	<.5	<.5	E2
JUN													
21...	<.5	<.5	E.1	<2	E1	M	.8	<.5	M	<1	<.5	<.5	E2
JUL													
19...	E.1t	<.5	<.5	<2	<2	Mt	.8	E.1t	Mt	<1	<.5	<.5	E1t
AUG													
12-12	<.5	<.5	E.1t	E1t	E1t	Mt	<.5	E.4t	Mt	Mt	E.1t	<.5	E1t
AUG													
12-12	<.5	<.5	E.1t	Mt	E1t	Mt	<.5	E.3t	Mt	Mt	E.1t	<.5	E1t
AUG													
12-12	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG													
12-12	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<.5	<1	<.5	<.5	<2

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
22...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
JAN													
14...	E.1500	E.1	<.5	<5	M	<.5	<1	<.5	E.1	M	M	<.5	<.5
28...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	E.1	<.5	<.5	M	<.5
FEB													
11...	E.1900	E.1	<.5	E2	<1	<.5	<1	<.5	E.1	<.5	<.5	M	<.5
MAR													
08...	<1.00	M	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	M	<.5
29...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	M	M	<.5	<.5	<.5
APR													
12...	<1.00	E.1	<.5	E2	<1	<.5	<1	M	E.1	M	<.5	M	<.5
MAY													
10...	<1.00	E.2	E.1	<5	<1	<.5	<1	M	M	M	<.5	E.1	<.5
24...	E.3200	E.2	<.5	E5	M	<.5	M	M	E.1	<.5	E.1	<.5	<.5
JUN													
21...	<1.00	E.2	<.5	E8	M	M	E1	M	M	<.5	<.5	<.5	<.5
JUL													
19...	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	E.1t	<.5	<.5	<.5	<.5
AUG													
12-12	E.2100t	E.4t	<.5	E4t	Mt	<.5	<1	Mt	<.5	<.5	<.5	Mt	<.5
AUG													
12-12	E.2900t	E.5t	<.5	E3t	Mt	<.5	Mt	Mt	<.5	<.5	<.5	Mt	<.5
AUG													
12-12	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG													
12-12	<1.00	<.5	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5

Date	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
22...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5
JAN													
14...	<.5	E.2	<.5	<.5	<.5	<.5	M	<2	<.5	E.3	<.5	<.5	<.5
28...	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	M	E.2	<.5	M	<.5
FEB													
11...	<.5	E.1	<.5	<.5	<.5	E.1	<1	<2	<.5	.6	<.5	M	<.5
MAR													
08...	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	E.1	M
29...	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	<.5	<.5	<.5	<.5	M
APR													
12...	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	<.5	E.2	<.5	M	M
MAY													
10...	<.5	E.1	<.5	E.1	<.5	M	M	M	M	E.3	<.5	M	M
24...	<.5	E.2	<.5	<.5	<.5	<.5	M	M	<.5	E.2	<.5	M	<.5
JUN													
21...	<.5	E.2	<.5	E.1	<.5	<.5	M	<2	<.5	E.4	<.5	M	<.5
JUL													
19...	<.5	E.1t	<.5	E.1t	<.5	<.5	Mt	<2	Mt	1.0	<.5	<.5	<.5
AUG													
12-12	<.5	E.1t	<.5	<.5	<.5	<.5	<1	<2	Mt	.8	<.5	Mt	<.5
AUG													
12-12	<.5	E.1t	<.5	E.1t	<.5	Mt	Mt	Mt	Mt	E.4t	<.5	Mt	Mt
AUG													
12-12	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG													
12-12	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5

Date	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)
OCT									
22...	<.5	<.5	<1	<.5	<.5	E.7	<.5	E.2	<1.00
JAN									
14...	<.5	E.1	M	E.1	E.1	5.0	E.1	E.1	<1.00
28...	<.5	E.1	M	<.5	E.1	2.0	E.2	E.1	<1.00
FEB									
11...	<.5	E.1	M	<.5	E.1	1.4	E.1	E.1	<1.00
MAR									
08...	<.5	E.1	<1	<.5	M	E.3	E.1	E.1	<1.00
29...	<.5	E.1	M	<.5	M	E.9	E.1	E.1	<1.00
APR									
12...	<.5	E.1	<1	<.5	E.1	.9	E.2	E.1	<1.00
MAY									
10...	<.5	E.1	M	<.5	E.1	.8	E.1	E.2	<1.00
24...	<.5	E.2	M	<.5	E.1	.6	E.2	E.2	<1.00
JUN									
21...	<.5	E.1	<1	<.5	E.1	.5	E.2	E.1	<1.00
JUL									
19...	<.5	E.3t	<1	<.5	<.5	E1.8	E.2t	E.2t	--u
AUG									
12-12	<.5	E.2t	<1	<.5	E.1n	2.0	E.2t	E.2t	--u
AUG									
12-12	<.5	E.2t	<1	<.5	E.1n	1.2	E.4t	E.2t	--u
AUG									
12-12	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG									
12-12	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
22...	0910	--	1	9	81350	2.84	7.4	4.7	--	7.0	--	7.0	197
NOV													
19-19	0221	0223	1	J	81350	9.78	1190	--	--	--	--	--	--
NOV													
19-19	0306	0308	1	J	81350	10.91	1470	--	--	--	--	--	--
DEC													
23-23	2251	2253	1	J	81350	3.83	118	190	--	9.7	--	6.6	153
DEC													
23-23	2336	2338	1	J	81350	4.45	180	62	--	6.6	--	6.6	147
DEC													
24-24	0021	0023	1	J	81350	4.49	186	58	--	8.2	--	6.6	143
DEC													
24-24	0106	0108	1	J	81350	4.45	168	230	--	8.0	--	6.6	140
JAN													
05-05	1516	1518	1	J	81350	5.75	378	350	--	8.5	--	6.8	106
JAN													
05-05	1601	1603	1	J	81350	5.77	382	380	--	8.9	--	6.7	101
JAN													
05-05	1646	1648	1	J	81350	5.31	311	560	--	8.6	--	6.8	80
14...	1100	--	1	9	81350	2.89	9.8	6.5	--	9.8	--	6.7	183
28...	0942	--	1	9	81350	3.05	20	12	--	12.1	--	7.0	147
FEB													
02-03	2303	0035	1	J	81350	4.24	148	180	--	12.5	--	6.8	68
11...	0932	--	1	9	81350	2.96	15	8.9	748	10.6	90	6.9	170
MAR													
08...	1232	--	1	9	81350	2.90	15	10	740	9.1	88	7.1	160
29...	1002	--	1	9	81350	2.86	12	7.0	752	8.2	85	6.8	185
APR													
12...	1047	--	1	9	81350	3.10	23	9.7	741	7.6	79	7.0	157
MAY													
10...	1002	--	1	9	81350	2.72	6.7	17	755	6.5	73	7.0	160
24...	1012	--	1	9	81350	2.76	8.3	7.9	750	6.0	70	7.0	172
JUN													
07-07	1815	1817	1	J	81350	3.62	86	83	--	6.6	--	6.9	169
JUN													
07-07	1845	1847	1	J	81350	3.94	121	220	--	6.7	--	6.9	161
JUN													
07-07	1915	1917	1	J	81350	3.77	102	290	--	4.0	--	6.7	171
JUN													
07-07	2015	2017	1	J	81350	3.46	67	110	--	.6	--	6.6	193
JUN													
07-07	2115	2117	1	J	81350	3.24	46	80	--	.5	--	6.6	173
JUN													
07-07	2215	2217	1	J	81350	3.13	35	64	--	3.1	--	6.6	150
JUN													
14-14	1248	1250	1	J	81350	3.25	110	85	--	6.9	--	6.8	110
JUN													
14-14	1318	1320	1	J	81350	3.46	92	370	--	6.8	--	6.8	92
JUN													
14-14	1348	1350	1	J	81350	3.82	108	310	--	6.9	--	6.8	97
JUN													
14-14	1418	1420	1	J	81350	3.73	98	230	--	6.5	--	6.8	84
JUN													
14-14	1448	1450	1	J	81350	3.50	71	220	--	6.3	--	6.7	80
JUN													
15-15	1611	1613	1	J	81350	3.34	55	150	--	6.8	--	6.9	109
JUN													
15-15	1620	1622	1	J	81350	3.39	60	240	--	6.8	--	6.9	107
JUN													
15-15	1650	1652	1	J	81350	4.52	203	450	--	--	--	6.9	102
JUN													
15-15	1720	1722	1	J	81350	5.63	362	550	--	6.8	--	6.7	87
JUN													
15-15	1750	1752	1	J	81350	5.27	311	500	--	6.9	--	6.6	90
JUN													
15-15	1820	1822	1	J	81350	4.75	235	450	--	6.7	--	6.8	88
JUN													
15-15	1850	1852	1	J	81350	4.43	190	240	--	6.5	--	6.7	88
21...	0937	--	1	9	81350	2.67	5.2	4.7	--	6.4	--	7.0	169
JUL													
10-10	1823	1825	1	J	81350	3.57	80	280	--	6.6	--	7.0	186
JUL													
10-10	1853	1855	1	J	81350	4.25	162	400	--	6.4	--	6.9	159
JUL													
10-10	1923	1925	1	J	81350	4.03	132	280	--	6.3	--	6.8	129
JUL													
10-10	1953	1955	1	J	81350	3.76	101	260	--	6.1	--	6.8	130
JUL													
10-10	2023	2025	1	J	81350	3.59	82	220	--	6.0	--	6.9	123

ALTAMAHA RIVER BASIN
2004 Water Year
02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
22...	16.0	3.7	1.8	4.9	420	1	3.9	98	50	150	5.0	57	17
NOV													
19-19	--	11	2.9	8.0	510	3	2.0	87	31	140	5.4	170	27
NOV													
19-19	--	10	2.2	7.5	480	2	1.5	82	25	110	5.2	150	28
DEC													
23-23	9.0	7.9	3.3	5.3	460	3	1.9	78	--	170	4.7	97	29
DEC													
23-23	9.0	8.9	5.4	6.5	450	4	2.5	83	--	250	4.3	130	33
DEC													
24-24	10.0	7.9	5.2	7.2	300	3	2.9	75	--	200	3.6	120	33
DEC													
24-24	10.0	7.0	4.5	6.9	410	3	2.5	88	--	170	3.6	120	30
JAN													
05-05	15.0	6.9	2.8	4.6	440	2	1.1	66	--	170	3.1	90	19
JAN													
05-05	14.6	8.4	4.5	9.6	470	2	1.8	90	--	170	4.6	170	30
JAN													
05-05	14.5	6.1	4.0	6.8	330	1	1.2	84	--	100	3.3	140	21
14...	6.5	8.1	2.7	6.3	480	3	3.4	120	35	230	9.2	100	28
28...	3.2	13	2.9	11	420	3	1.9	150	26	140	8.3	120	49
FEB													
02-03	4.1	9.5	1.7	3.9	320	1	.4	240	--	72	5.4	47	50
11...	7.5	8.4	1.9	6.4	430	3	2.5	130	30	190	7.9	110	35
MAR													
08...	12.5	5.3	1.8	6.9	290	2	3.1	89	26	260	7.1	82	26
29...	16.5	7.5	1.9	6.4	390	3	5.1	120	69	220	8.5	82	32
APR													
12...	16.0	7.6	2.8	7.0	410	3	3.4	210	36	190	8.6	99	33
MAY													
10...	20.5	8.8	3.1	23	370	3	3.0	--o	27	200	9.8	180	33
24...	22.0	6.4	3.3	9.0	380	2	3.5	500	28	150	9.6	110	19
JUN													
07-07	22.9	8.8	4.1	7.2	490	3	5.5	95	63	150	4.8	140	36
JUN													
07-07	23.0	7.7	5.9	5.9	270	4	4.1	73	40	220	4.1	130	32
JUN													
07-07	23.0	6.8	5.0	5.8	260	4	4.2	61	38	220	3.3	120	36
JUN													
07-07	23.0	5.3	6.2	7.6	96	3	5.1	54	31	180	2.6	110	44
JUN													
07-07	23.0	5.9	8.8	16	470	3	5.7	140	35	210	3.5	210	46
JUN													
07-07	23.5	3.8	8.5	16	390	2	3.7	62	19	140	2.5	140	39
JUN													
14-14	24.0	8.4	2.9	5.2	400	2	.9	72	18	79	4.2	76	24
JUN													
14-14	24.5	12	2.4	5.4	460	2	.9	110	22	91	5.1	89	31
JUN													
14-14	25.0	11	3.0	5.7	560	2	1.5	98	26	120	5.4	120	34
JUN													
14-14	25.0	11	3.9	7.1	480	2	1.7	100	25	130	5.9	170	37
JUN													
14-14	25.0	10	4.3	6.1	500	2	1.5	90	23	130	5.5	160	36
JUN													
15-15	24.5	10	3.3	6.4	490	2	1.3	89	23	100	5.3	120	32
JUN													
15-15	24.5	11	2.7	5.9	430	2	1.0	85	22	91	5.3	100	28
JUN													
15-15	24.4	9.4	2.3	5.0	470	2	1.8	81	25	110	4.7	120	30
JUN													
15-15	24.5	9.1	3.2	8.0	430	2	2.5	84	23	170	4.4	160	28
JUN													
15-15	24.5	11	4.3	9.1	490	3	2.6	110	25	200	5.0	210	33
JUN													
15-15	24.5	11	4.9	8.9	530	3	2.5	130	26	200	5.5	230	35
JUN													
15-15	24.5	9.2	4.7	8.0	450	2	2.1	98	21	150	4.9	180	33
21...	24.4	9.1	2.1	8.5	410	2	2.8	380	25	130	8.4	110	32
JUL													
10-10	25.5	7.7	2.4	6.6	430	2	2.4	76	34	110	5.0	100	24
JUL													
10-10	26.5	9.0	3.9	9.0	240	3	2.8	82	36	200	5.0	160	27
JUL													
10-10	26.5	8.7	4.9	9.1	330	3	1.9	83	28	200	4.6	120	27
JUL													
10-10	26.5	8.8	4.2	11	160	3	2.8	82	26	620	4.5	160	30
JUL													
10-10	26.5	9.1	4.0	9.6	240	3	2.7	90	26	1000	5.0	150	31

ALTAMAHA RIVER BASIN
2004 Water Year
02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
22...	5300	.13	16	70	1	2	330	<50	.160	58	1400	<50	2
NOV													
19-19	1600	.21	10	52	1	<2	80	<150	.600	150	640	<150	849
NOV													
19-19	1000	.15	7	49	1	<1	80	<100	.570	140	470	<100	965
DEC													
23-23	2200	.05	11	46	1	<2	210	<150	.310	110	970	<150	200
DEC													
23-23	2000	--o	11	44	1	<1	180	<100	.330	95	1200	<100	157
DEC													
24-24	2200	--o	14	44	1	<1	200	<100	.270	83	1400	<100	148
DEC													
24-24	2800	--o	18	44	1	<2	220	<150	.250	77	1200	<150	104
JAN													
05-05	1100	.11	12	31	M	<2	79	<150	.340	98	540	<150	1120
JAN													
05-05	1400	.11	27	50	1	<1	97	<100	.420	120	640	<100	470
JAN													
05-05	1100	.15	16	34	M	<1	90	<100	.340	90	450	<100	469
14...	3100	.19	8	66	1	<2	87	<150	.380	110	1400	<150	3
28...	1400	.24	6	100	1	<1	72	<100	.470	170	630	<100	6
FEB													
02-03	1200	--o	5	150	1	<1	180	<100	.280	100	230	<100	129
11...	2200	.15	5	66	1	<1	120	<100	.310	110	710	<100	6
MAR													
08...	1900	--o	5	53	1	1	90	<50	.230	95	1000	<50	3
29...	5500	--o	8	69	2	M	91	<50	.340	110	1700	<50	3
APR													
12...	3800	.29	22	140	2	<1	180	<100	.350	110	1100	<100	3
MAY													
10...	3200	.22	--o	--o	2	<1	140	<100	.440	120	1200	<100	5
24...	4000	.17	52	300	3	<1	170	<100	.300	99	850	<100	4
JUN													
07-07	5600	.30	33	63	2	<1	130	<100	.490	95	1500	<100	427
JUN													
07-07	3200	.29	35	53	2	<1	150	<100	.370	81	1300	<100	407
JUN													
07-07	3200	--o	70	47	3	<1	200	<100	.290	67	1500	<100	292
JUN													
07-07	3200	--o	120	50	6	<1	240	<100	.210	50	1800	<100	230
JUN													
07-07	4600	--o	110	86	5	<2	260	<250	.260	62	2100	<250	96
JUN													
07-07	3300	--o	98	54	6	<2	290	<250	.170	45	1200	<250	106
JUN													
14-14	1800	--o	10	42	1	<1	200	<100	.390	120	370	<100	195
JUN													
14-14	1300	.17	9	56	1	<1	120	<100	.570	170	370	<100	351
JUN													
14-14	2200	.14	13	59	1	<2	170	<150	.620	150	580	<150	305
JUN													
14-14	2100	--o	10	61	1	<1	180	<100	.640	160	580	<100	239
JUN													
14-14	2000	--o	8	60	1	<1	210	<100	.540	150	500	<100	184
JUN													
15-15	2300	--o	12	53	1	<1	220	<100	.540	150	470	<100	212
JUN													
15-15	1800	--o	8	55	1	<1	170	<100	.490	150	370	<100	305
JUN													
15-15	1500	.15	8	42	1	<.5	90	<50	.530	140	550	<50	1280
JUN													
15-15	1300	.27	19	41	2	<.5	90	<50	.440	130	740	<50	962
JUN													
15-15	1600	.25	33	53	3	<1	120	<100	.580	150	920	<100	568
JUN													
15-15	1800	.30	29	58	3	<2	140	<150	.640	160	980	<150	376
JUN													
15-15	2300	--o	21	48	2	<1	200	<100	.500	130	750	<100	230
21...	2300	.25	36	220	2	<1	150	<100	.370	140	780	<100	4
JUL													
10-10	3300	.14	8	45	1	<1	170	<100	.460	110	890	<100	362
JUL													
10-10	2900	.20	15	49	2	<1	150	<100	.500	120	1100	<100	489
JUL													
10-10	2100	.18	19	48	2	<1	180	<100	.460	120	970	<100	288
JUL													
10-10	2300	--o	20	46	2	<.5	180	<50	.450	120	1000	<50	230
JUL													
10-10	2300	--o	19	49	2	<1	200	<100	.460	120	940	<100	193

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
JUL													
10-10	2053	2055	1	J	81350	3.49	70	170	--	6.1	--	6.9	119
19...	0757	--	1	9	81350	2.82	10	7.0	743	6.8	81	7.1	192
AUG													
12-12	0712	0722	1	J	81350	8.48	900	670	--	7.4	--	7.0	42
AUG													
12-12	0717	0727	1	J	81350	8.48	900	1100	--	6.6	--	8.4	57
AUG													
12-12	0737	0747	1	J	81350	9.59	1140	1100	736	8.5	102	6.6	47
AUG													
12-12	0742	0752	1	J	81350	9.59	1140	1200	736	7.5	91	6.9	37
AUG													
12-12	0827	0837	1	J	81350	9.48	1120	560	736	8.3	100	6.6	55
AUG													
12-12	0832	0842	1	J	81350	9.48	1120	190	736	6.4	76	7.0	77
AUG													
12-12	1112	1127	1	J	81350	6.88	576	680	738	7.2	85	6.4	41
AUG													
12-12	1117	1132	1	J	81350	6.88	576	2360	738	7.4	88	6.8	42

Date	Temper-ature, water, deg C (00010)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
JUL													
10-10	26.5	8.4	3.9	8.2	300	2	2.2	81	24	140	4.8	130	28
19...	23.0	6.1	2.3	8.6	330	2	4.8	130	21	310	7.6	73	24
AUG													
12-12	23.0	7.1	1.2	3.4	280	2	.4	60	16	57	3.7	56	20
AUG													
12-12	22.8	7.8	1.1	4.2	300	2	.5	67	17	57	3.9	62	23
AUG													
12-12	22.8	10	1.5	4.7	370	2	.6	77	22	77	5.0	78	32
AUG													
12-12	23.0	8.8	1.3	3.8	330	2	.5	68	19	63	4.3	74	28
AUG													
12-12	22.6	10	2.0	5.5	410	2	.7	79	22	89	5.1	94	31
AUG													
12-12	22.0	7.9	1.7	4.4	310	2	.5	74	18	65	4.3	170	22
AUG													
12-12	22.1	8.0	.9	2.7	260	2	<.2	170	22	46	4.4	41	24
AUG													
12-12	22.5	7.8	1.2	3.2	280	2	.2	160	22	54	4.2	47	25

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
JUL													
10-10	2200	--o	17	48	2	<1	230	<100	.420	120	800	<100	154
19...	2500	.10	20	94	1	<1	240	<100	.260	94	1500	<100	2
AUG													
12-12	740	.04	4	25	M	<.5	60	<50	.410	100	230	<50	1860
AUG													
12-12	810	.06	4	29	M	<.5	63	<50	.370	110	260	<50	1760
AUG													
12-12	950	.08	4	34	1	<.5	62	<50	.480	140	300	<50	1460
AUG													
12-12	750	.06	4	30	1	<.5	62	<50	.430	120	250	<50	1970
AUG													
12-12	1100	.07	6	39	1	<1	89	<100	.480	130	360	<100	617
AUG													
12-12	870	.08	4	28	1	<1	72	<100	.500	110	270	<100	970
AUG													
12-12	670	<.02	<2	130	M	<1	70	<100	.380	100	160	<100	783
AUG													
12-12	670	<.02	3	120	M	<1	79	<100	.350	99	200	<100	554

Remark codes used in this table:
   < -- Less than
   > -- Greater than
   E -- Estimated value
   M -- Presence verified, not quantified

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   r -- Sample ruined in preparation
   u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
   @ -- Holding time exceeded
   e -- See field comment
   k -- Counts outside acceptable range
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL

2004 Water Year

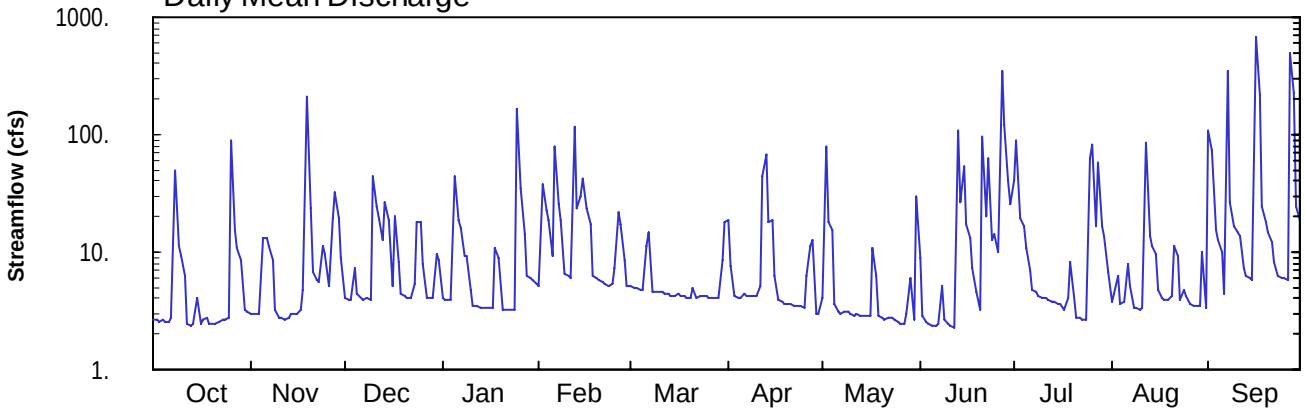
ALTAMAHA RIVER BASIN

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA

Latitude: 33°41'20" Longitude: 084°19'50" Hydrologic Unit Code: 03070103

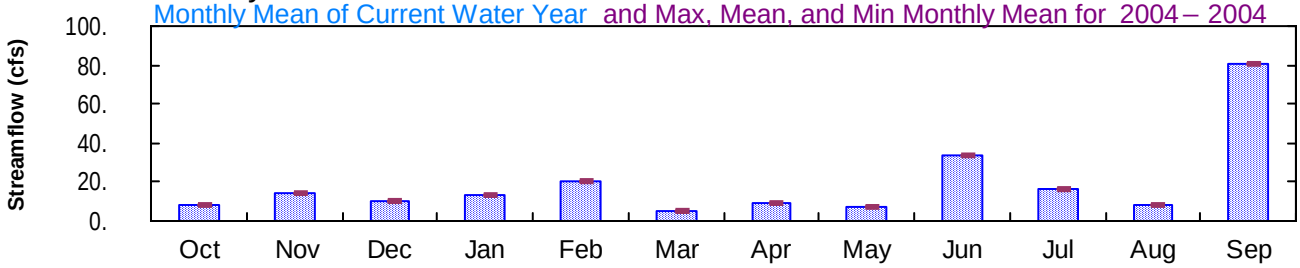
De kalb County Datum: 787.92 feet Drainage Area: 10.6 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2004 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2003 and 2004 Water Years

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA

LOCATION.—Lat 33°41'20", long 84°19'50", referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03070103, Dekalb County, at the culvert on Constitution Road, 0.5 miles upstream from confluence with South River, 1.1 miles east of US 23, 1.0 miles southeast of Thomasville, and 2.0 miles south of Atlanta.

DRAINAGE AREA.—10.6 square miles, approximately.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 4, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 787.92 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records 2003 water year poor, records 2004 water year good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 4, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 787.92 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.23 feet, September 16; minimum gage-height recorded, 1.80 feet, October 13, June 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.— April 4, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6* DATUM 787.92 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.0	4.0	4.0	5.2	5.1	19	4.1	8.8	40	3.7	109
2	2.6	3.0	3.8	3.9	38	5.0	7.6	80	2.9	88	4.4	74
3	2.6	3.0	3.9	3.9	22	4.9	4.2	18	2.6	19	6.2	15
4	2.6	3.0	7.2	3.9	19	4.8	4.1	15	2.5	17	3.6	13
5	2.6	13	4.4	43	9.4	4.7	4.1	3.6	2.4	11	3.8	9.9
6	2.6	13	4.0	19	79	11	4.4	3.1	2.4	7.0	8.0	4.5
7	2.7	11	4.0	16	25	15	4.2	3.0	2.4	4.7	5.2	344
8	49	8.5	4.1	9.1	19	4.6	4.3	3.1	5.1	4.5	3.4	27
9	11	3.2	3.9	9.2	6.6	4.6	4.2	3.1	2.7	4.3	3.3	16
10	9.3	2.8	45	4.7	6.2	4.6	4.2	2.9	2.5	4.1	3.3	15
11	6.2	2.7	25	3.5	6.0	4.5	5.1	2.9	2.4	4.0	3.3	14
12	2.5	2.7	20	3.5	115	4.4	45	3.0	2.3	3.8	85	7.3
13	2.4	2.8	13	3.4	24	4.4	67	2.9	109	3.8	14	6.3
14	2.5	2.9	27	3.3	30	4.3	18	2.9	26	3.7	11	5.9
15	4.0	3.0	19	3.3	43	4.3	18	2.8	53	3.6	9.8	5.9
16	2.5	3.0	5.2	3.3	24	4.4	6.1	2.9	17	3.6	4.8	668
17	2.7	3.2	20	3.3	17	4.2	3.9	11	13	3.3	4.1	215
18	2.7	4.8	8.4	11	6.3	4.2	3.7	6.3	7.2	4.0	4.0	25
19	2.5	207	4.5	9.0	6.0	4.1	3.7	2.8	4.6	8.4	3.9	18
20	2.4	23	4.2	3.2	5.8	4.2	3.6	2.7	3.3	4.3	4.3	15
21	2.5	6.7	4.1	3.2	5.6	5.0	3.6	2.7	94	2.8	11	12
22	2.6	5.8	4.1	3.2	5.3	4.1	3.5	2.7	20	2.8	9.2	8.1
23	2.6	5.5	5.3	3.2	5.2	4.2	3.5	2.8	63	2.7	3.9	6.3
24	2.7	11	18	3.2	5.3	4.2	3.4	2.6	13	2.7	4.8	6.1
25	2.7	9.5	18	167	7.3	4.2	3.4	2.5	14	61	4.3	5.9
26	87	5.1	7.8	34	22	4.1	6.2	2.5	10	83	3.7	5.7
27	15	20	4.1	14	17	4.1	11	2.5	348	16	3.5	501
28	11	32	4.1	6.2	8.6	4.1	13	2.9	124	57	3.5	231
29	8.7	19	4.1	5.9	5.2	4.1	3.0	5.9	40	17	3.4	24
30	3.2	9.0	9.6	5.7	---	8.4	3.0	2.6	26	13	9.8	19
31	3.1	---	8.6	5.4	---	18	---	30	---	6.8	3.4	---
TOTAL	259.1	442.2	318.4	414.5	588.0	171.8	288.0	235.8	1024.1	506.9	249.6	2426.9
MEAN	8.36	14.7	10.3	13.4	20.3	5.54	9.60	7.61	34.1	16.4	8.05	80.9
MAX	87	207	45	167	115	18	67	80	348	88	85	668
MIN	2.4	2.7	3.8	3.2	5.2	4.1	3.0	2.5	2.3	2.7	3.3	4.5
CFSM	0.79	1.39	0.97	1.26	1.91	0.52	0.91	0.72	3.22	1.54	0.76	7.63
IN.	0.91	1.55	1.12	1.45	2.06	0.60	1.01	0.83	3.59	1.78	0.88	8.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

MEAN	8.36	14.7	10.3	13.4	20.3	5.54	9.60	7.61	34.1	16.4	8.05	80.9
MAX	8.36	14.7	10.3	13.4	20.3	5.54	9.60	7.61	34.1	16.4	8.05	80.9
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004
MIN	8.36	14.7	10.3	13.4	20.3	5.54	9.60	7.61	34.1	16.4	8.05	80.9
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004

SUMMARY STATISTICS FOR 2004 WATER YEAR

ANNUAL TOTAL	6925.3	
ANNUAL MEAN	18.9	
HIGHEST DAILY MEAN	668	Sep 16
LOWEST DAILY MEAN	2.3	Jun 12
ANNUAL SEVEN-DAY MINIMUM	2.6	Oct 16
MAXIMUM PEAK FLOW	2900	Sep 16
MAXIMUM PEAK STAGE	14.23	Sep 16
ANNUAL RUNOFF (CFSM)	1.79	
ANNUAL RUNOFF (INCHES)	24.30	
10 PERCENT EXCEEDS	30	
50 PERCENT EXCEEDS	4.8	
90 PERCENT EXCEEDS	2.7	

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6* DATUM 787.92 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.86	1.90	2.00	2.00	2.08	2.08	2.51	2.00	2.26	2.76	1.91	2.76
2	1.86	1.90	1.99	1.99	2.55	2.07	2.16	3.18	1.88	3.20	1.96	3.11
3	1.85	1.90	1.99	1.99	2.59	2.06	2.02	2.50	1.85	2.52	2.08	2.44
4	1.86	1.90	2.18	1.99	2.52	2.06	2.01	2.45	1.84	2.47	1.91	2.36
5	1.85	2.17	2.03	2.62	2.23	2.05	2.01	1.95	1.83	2.35	1.92	2.27
6	1.85	2.37	2.00	2.52	3.11	2.28	2.03	1.91	1.82	2.20	2.17	1.97
7	1.87	2.34	2.00	2.46	2.64	2.41	2.01	1.90	1.83	2.09	2.01	4.81
8	2.80	2.25	2.01	2.23	2.52	2.04	2.02	1.91	2.06	2.08	1.88	2.67
9	2.35	1.91	1.99	2.22	2.16	2.04	2.02	1.91	1.86	2.06	1.87	2.46
10	2.28	1.87	2.82	2.01	2.14	2.04	2.01	1.89	1.84	2.05	1.87	2.42
11	2.12	1.87	2.64	1.95	2.13	2.04	2.07	1.89	1.82	2.05	1.88	2.40
12	1.83	1.86	2.53	1.95	3.50	2.03	2.42	1.89	1.81	2.04	3.02	2.15
13	1.82	1.88	2.33	1.94	2.61	2.03	3.13	1.89	3.16	2.03	2.39	2.10
14	1.83	1.89	2.67	1.94	2.74	2.02	2.50	1.89	2.64	2.02	2.33	2.07
15	1.97	1.90	2.51	1.94	2.91	2.02	2.51	1.88	2.89	2.01	2.27	2.07
16	1.84	1.90	2.07	1.93	2.62	2.03	2.09	1.88	2.47	2.01	2.00	5.40
17	1.86	1.93	2.53	1.94	2.47	2.02	1.99	2.25	2.38	1.98	1.95	4.23
18	1.87	1.97	2.19	2.30	2.14	2.02	1.98	2.09	2.19	2.03	1.94	2.64
19	1.84	3.88	2.03	2.21	2.13	2.01	1.97	1.88	2.04	2.20	1.93	2.50
20	1.83	2.61	2.02	1.92	2.12	2.01	1.96	1.87	1.93	2.03	1.96	2.44
21	1.84	2.16	2.01	1.93	2.10	2.06	1.96	1.86	2.95	1.93	2.30	2.38
22	1.85	2.12	2.01	1.92	2.09	2.01	1.95	1.87	2.54	1.92	2.25	2.25
23	1.86	2.10	2.05	1.92	2.08	2.01	1.95	1.87	2.96	1.92	1.93	2.18
24	1.87	2.28	2.48	1.92	2.09	2.01	1.95	1.85	2.35	1.91	1.98	2.16
25	1.87	2.22	2.50	3.90	2.17	2.01	1.94	1.84	2.39	2.29	1.96	2.16
26	3.04	2.07	2.17	2.79	2.56	2.01	2.10	1.84	2.25	3.08	1.91	2.15
27	2.43	2.38	2.01	2.39	2.48	2.01	2.30	1.84	4.49	2.46	1.90	4.85
28	2.33	2.78	2.01	2.14	2.21	2.01	2.32	1.88	3.49	2.93	1.89	4.22
29	2.25	2.53	2.01	2.13	2.08	2.01	1.90	2.11	2.87	2.46	1.89	2.63
30	1.93	2.20	2.25	2.11	---	2.20	1.90	1.85	2.65	2.38	2.25	2.52
31	1.91	---	2.19	2.09	---	2.43	---	2.38	---	2.09	1.88	---
MEAN	2.01	2.17	2.20	2.17	2.41	2.07	2.12	2.01	2.38	2.24	2.04	2.76
MAX	3.04	3.88	2.82	3.90	3.50	2.43	3.13	3.18	4.49	3.20	3.02	5.40
MIN	1.82	1.86	1.99	1.92	2.08	2.01	1.90	1.84	1.81	1.91	1.87	1.97

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6* DATUM 787.92 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.50	0.00	0.42	0.00	---
2	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.28	0.00	0.06	0.61	---
3	0.00	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.02	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
5	0.00	0.78	0.01	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
6	0.03	0.15	0.00	0.00	1.16	0.29	0.00	0.00	0.00	0.03	0.00	0.22
7	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.06	0.00	2.77
8	0.30	0.00	0.00	0.04	0.00	0.00	0.09	0.00	0.01	0.01	0.00	0.03
9	0.00	0.00	0.00	0.22	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.00
10	0.03	0.00	1.06	0.00	0.02	0.00	0.00	0.03	0.00	0.08	0.01	0.00
11	0.01	0.00	0.00	0.00	0.27	0.00	0.17	0.01	0.00	0.00	0.01	0.00
12	0.00	0.00	0.00	0.00	1.27	0.00	0.70	0.45	0.00	0.00	1.98	0.00
13	0.00	0.00	0.45	0.00	0.00	0.00	0.66	0.01	0.39	0.00	0.00	0.00
14	0.05	0.00	0.19	0.00	0.51	0.00	0.00	0.00	0.02	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.89	0.00	0.00	0.00
16	0.00	0.00	0.22	0.00	0.00	0.06	0.00	0.01	0.20	0.00	0.00	4.16
17	0.13	0.03	0.07	0.29	0.00	0.00	0.00	0.55	0.01	0.01	0.00	0.14
18	0.00	0.78	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.38	0.00
21	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	1.63	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
23	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00
24	0.00	0.21	0.00	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.05	0.00
25	0.00	0.00	0.00	2.10	---	0.00	0.00	0.00	0.08	1.63	0.01	0.00
26	2.01	0.00	0.00	0.06	---	0.00	0.40	0.00	0.07	0.07	0.00	0.00
27	0.00	0.91	0.00	0.00	---	0.00	0.00	0.00	2.28	0.66	0.00	2.78
28	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.28	1.21	0.00	0.00	0.01
29	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.05	0.00	0.37	0.00	0.00
30	0.00	0.00	0.12	0.00	---	0.47	0.10	0.00	0.34	0.00	---	0.00
31	0.00	---	0.01	0.00	---	0.10	---	0.48	---	0.00	---	---
TOTAL	2.74	5.14	3.18	3.54	---	1.12	2.13	2.67	8.35	3.41	---	---

ALTAMAHA RIVER BASIN
2004 Water Year

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA

LOCATION.—Lat. 33°41'20", long. 84°19'50", referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit 03070103, at the culvert on Constitution Road, 0.5 miles upstream from confluence with South River, 1.1 miles east of US 23, 1.0 miles southeast of Thomasville, and 2.0 miles south of Atlanta.

DRAINAGE AREA.—10.6 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—July 1974 to March 1994; March 1999 to July 2000; June 3, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 3, 2003 to current year.
pH: June 3, 2003 to current year.
WATER TEMPERATURE: June 3, 2003 to current year.
DISSOLVED OXYGEN: June 3, 2003 to current year.
TURBIDITY: June 3, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity, dissolved oxygen and pH, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 488 microsiemens, May 29, 2004; minimum recorded, 34 microsiemens, September 16, 2004.
pH: Maximum recorded, 7.6 units, July 26, 2004; minimum recorded, 6.0 units, June 11, 2004.
WATER TEMPERATURE: Maximum recorded, 28.8°C, July 14, 2004; minimum recorded, 2.6°C, December 21, 2003.
DISSOLVED OXYGEN: Maximum recorded, 12.7 mg/L, December 21, 2003; minimum recorded, 2.1 mg/L, June 7, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 488 microsiemens, May 29; minimum recorded, 34 microsiemens, September 16.

pH: Maximum recorded, 7.6 units, July 26; minimum recorded, 6.0 units, June 11.

WATER TEMPERATURE: Maximum recorded, 28.8°C, July 14; minimum recorded, 2.6°C, December 21.

DISSOLVED OXYGEN: Maximum recorded, 12.7 mg/L, December 21; minimum recorded, 2.5 mg/L, July 20.

TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	188	181	184	192	182	188	217	188	202	163	157	160
2	189	183	185	183	179	182	190	185	188	160	158	159
3	186	179	182	182	178	180	188	178	181	163	159	161
4	183	175	179	184	177	181	179	127	150	161	157	159
5	175	171	173	181	99	163	147	135	143	160	69	138
6	186	170	175	384	103	250	166	147	159	363	126	227
7	186	175	181	322	237	273	163	159	161	214	176	199
8	345	79	219	239	222	234	160	155	158	230	207	219
9	220	165	178	223	210	218	162	155	160	272	133	194
10	223	165	200	210	200	204	315	67	155	239	153	190
11	239	216	226	203	199	201	268	170	185	161	154	157
12	224	197	207	199	190	196	221	186	215	157	156	157
13	200	188	195	198	193	197	217	123	186	172	157	164
14	196	185	191	193	187	189	192	119	164	162	157	159
15	230	171	189	189	182	184	259	176	235	160	157	158
16	320	226	279	182	179	180	257	156	182	160	157	159
17	331	290	318	182	176	179	278	109	178	159	152	157
18	290	241	257	178	146	174	172	155	165	291	119	181
19	245	217	231	250	45	173	166	157	161	225	197	213
20	217	204	210	212	196	201	165	158	162	197	155	164
21	206	195	200	197	178	186	162	160	161	157	154	155
22	205	192	199	181	177	179	162	161	161	157	155	156
23	201	184	192	187	177	183	163	145	160	157	155	156
24	196	185	192	337	146	199	361	98	196	156	155	156
25	195	179	186	328	186	248	232	184	197	155	72	125
26	185	78	138	186	169	172	201	155	182	199	125	183
27	430	120	288	170	82	152	160	155	158	204	172	190
28	280	219	236	328	82	231	162	159	160	174	159	164
29	275	244	260	259	204	215	162	159	160	167	156	160
30	253	200	220	256	215	238	343	126	195	176	156	162
31	200	192	197	---	---	---	302	162	232	165	157	160
MONTH	430	78	209	384	45	198	361	67	176	363	69	169

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	157	156	157	166	155	161	231	215	225	187	157	173
2	158	73	138	172	160	167	228	188	213	192	63	128
3	288	110	191	162	156	158	188	176	180	162	141	148
4	235	156	186	---	---	---	177	171	173	186	154	173
5	259	167	222	---	---	---	172	168	169	192	180	185
6	224	61	151	---	---	---	172	165	168	185	174	177
7	233	150	167	---	---	---	172	166	168	186	177	180
8	226	152	175	---	---	---	177	164	168	188	176	179
9	224	156	177	170	168	169	178	162	169	188	169	178
10	168	151	158	171	167	169	178	162	168	187	176	181
11	168	152	159	172	169	170	180	152	167	191	173	181
12	202	69	141	---	---	---	160	61	148	192	163	184
13	202	166	174	---	---	---	212	61	134	184	172	177
14	177	153	165	---	---	---	173	136	149	191	175	185
15	241	110	160	---	---	---	232	173	216	179	174	176
16	242	173	193	176	172	174	228	162	193	195	179	188
17	229	181	205	175	170	172	175	159	165	363	176	260
18	215	156	172	170	167	169	184	162	171	255	200	239
19	163	149	155	172	168	170	186	178	182	200	169	174
20	154	145	148	175	169	171	188	178	182	181	177	179
21	148	145	146	181	173	177	188	177	182	194	180	188
22	146	144	145	173	167	169	184	174	177	186	180	183
23	157	145	151	168	165	166	187	173	180	199	181	190
24	166	156	159	166	162	164	184	174	177	188	174	183
25	174	155	165	163	160	161	191	179	185	182	174	179
26	299	129	204	165	161	163	183	135	168	209	182	198
27	354	296	333	165	162	163	367	150	279	204	196	199
28	319	172	241	169	163	165	346	242	284	214	204	209
29	184	166	173	169	161	165	242	189	208	488	182	334
30	---	---	---	171	152	159	200	178	193	434	205	325
31	---	---	---	246	156	194	---	---	---	241	90	152
MONTH	354	61	176	---	---	---	367	61	185	488	63	193

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	253	223	233	235	139	195	146	142	144	---	---	---
2	239	204	229	215	110	180	148	132	142	---	---	---
3	204	196	200	233	215	226	266	118	190	240	222	233
4	204	194	198	227	195	220	243	154	195	268	233	252
5	194	186	188	229	208	217	155	149	153	276	260	268
6	190	182	185	259	222	244	275	130	210	262	186	228
7	188	164	175	224	205	217	233	192	218	190	37	131
8	173	155	163	221	212	217	192	162	169	193	173	184
9	169	161	164	221	201	213	166	160	163	---	---	---
10	172	155	162	222	208	216	166	159	162	---	---	---
11	189	161	174	223	209	218	165	161	163	247	204	216
12	184	172	177	228	211	222	256	47	154	245	181	211
13	191	175	185	232	214	223	259	205	227	181	177	178
14	179	174	176	233	218	224	223	207	215	181	177	179
15	195	179	188	238	223	228	217	203	209	183	179	181
16	363	176	260	235	221	228	208	186	201	183	34	136
17	256	182	237	238	218	229	187	182	185	235	73	184
18	248	173	203	239	177	205	185	178	182	226	212	216
19	186	180	183	398	172	280	182	176	178	231	221	228
20	200	186	193	366	226	305	179	169	176	231	225	228
21	193	187	190	226	192	203	273	132	215	227	223	225
22	209	189	199	194	187	191	235	208	217	235	224	232
23	199	185	194	191	184	187	209	186	203	224	212	216
24	196	185	192	191	185	187	186	154	181	217	212	214
25	213	196	204	189	46	179	164	136	153	220	214	217
26	211	177	191	454	46	260	159	152	156	219	214	217
27	221	51	156	188	124	163	171	159	166	214	48	163
28	218	62	151	148	65	118	175	169	171	267	67	220
29	217	110	188	138	99	124	177	171	173	259	221	234
30	233	170	213	139	130	136	---	---	---	---	---	---
31	---	---	---	160	139	151	---	---	---	---	---	---
MONTH	363	51	192	454	46	207	---	---	---	---	---	---

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.8	6.7	6.7	6.8	6.7	6.7	6.4	6.3	6.4	6.7	6.7	6.7
2	6.7	6.6	6.7	6.8	6.6	6.7	6.4	6.3	6.4	6.7	6.7	6.7
3	6.8	6.7	6.7	6.7	6.6	6.7	6.7	6.3	6.5	6.7	6.7	6.7
4	6.8	6.6	6.7	6.8	6.6	6.7	7.0	6.6	6.8	6.7	6.7	6.7
5	6.8	6.7	6.7	6.8	6.6	6.7	6.8	6.5	6.6	6.9	6.7	6.7
6	6.9	6.6	6.8	7.0	6.5	6.8	6.6	6.5	6.6	7.1	6.8	7.0
7	7.0	6.7	6.8	6.8	6.6	6.7	6.6	6.6	6.6	6.9	6.9	6.9
8	6.9	6.6	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.9	6.7	6.9
9	6.7	6.4	6.5	6.6	6.5	6.6	6.6	6.6	6.6	7.1	6.7	6.9
10	7.1	6.6	6.8	6.7	6.6	6.6	7.2	6.6	6.7	7.1	6.7	6.8
11	7.1	6.7	7.0	6.7	6.6	6.6	6.8	6.5	6.6	6.8	6.8	6.8
12	6.8	6.6	6.7	6.7	6.5	6.6	6.7	6.6	6.7	6.8	6.8	6.8
13	6.8	6.7	6.7	6.6	6.5	6.5	6.8	6.6	6.7	6.8	6.8	6.8
14	6.8	6.7	6.7	6.5	6.5	6.5	6.7	6.6	6.7	6.8	6.8	6.8
15	6.9	6.6	6.8	6.6	6.5	6.6	6.8	6.7	6.7	6.8	6.8	6.8
16	6.7	6.6	6.6	6.6	6.5	6.6	6.8	6.5	6.6	6.8	6.8	6.8
17	6.7	6.6	6.6	6.6	6.5	6.6	6.9	6.6	6.7	6.8	6.8	6.8
18	6.7	6.6	6.7	6.7	6.6	6.6	6.7	6.5	6.6	7.2	6.8	6.9
19	6.6	6.5	6.6	6.7	6.4	6.6	6.7	6.6	6.7	7.0	6.8	7.0
20	6.7	6.5	6.6	6.6	6.5	6.6	6.7	6.7	6.7	6.8	6.8	6.8
21	6.8	6.6	6.7	6.6	6.5	6.5	6.7	6.7	6.7	6.8	6.8	6.8
22	6.9	6.6	6.7	6.6	6.5	6.6	6.7	6.7	6.7	6.9	6.8	6.8
23	6.9	6.6	6.7	6.6	6.6	6.6	6.8	6.7	6.7	6.8	6.8	6.8
24	6.9	6.6	6.7	6.9	6.5	6.6	6.9	6.6	6.8	6.8	6.8	6.8
25	7.0	6.6	6.7	6.8	6.3	6.5	6.8	6.6	6.7	7.0	6.7	6.9
26	6.7	6.5	6.6	6.5	6.4	6.5	6.8	6.6	6.7	6.9	6.8	6.9
27	7.0	6.5	6.9	6.6	6.4	6.5	6.7	6.7	6.7	6.8	6.6	6.8
28	6.9	6.8	6.8	6.7	6.4	6.5	6.7	6.7	6.7	6.8	6.7	6.8
29	6.8	6.6	6.8	6.4	6.3	6.3	6.7	6.7	6.7	6.8	6.7	6.8
30	6.7	6.6	6.7	6.4	6.3	6.4	7.0	6.7	6.8	6.8	6.8	6.8
31	6.8	6.7	6.7	---	---	---	6.9	6.6	6.6	6.8	6.8	6.8
MAX	7.1	6.8	7.0	7.0	6.7	6.8	7.2	6.7	6.8	7.2	6.9	7.0
MIN	6.6	6.4	6.5	6.4	6.3	6.3	6.4	6.3	6.4	6.7	6.6	6.7

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	6.8	6.8	6.6	6.5	6.5	7.1	6.9	7.1	7.0	6.8	6.8
2	7.0	6.8	6.8	6.6	6.5	6.6	7.0	6.8	7.0	7.3	6.7	7.0
3	7.2	6.8	6.8	6.6	6.5	6.6	7.0	6.9	6.9	6.9	6.9	6.9
4	6.9	6.8	6.9	---	---	---	7.0	6.9	6.9	7.0	6.9	6.9
5	7.0	6.7	6.8	---	---	---	7.0	6.9	6.9	6.9	6.7	6.8
6	7.0	6.7	6.8	---	---	---	7.0	6.9	7.0	6.9	6.8	6.9
7	6.9	6.7	6.8	---	---	---	7.0	6.6	6.9	6.9	6.8	6.9
8	6.9	6.8	6.8	---	---	---	7.0	6.6	6.7	7.0	6.8	6.9
9	6.9	6.6	6.7	6.7	6.6	6.6	7.1	6.7	6.8	7.0	6.9	6.9
10	6.8	6.7	6.7	6.7	6.6	6.6	7.1	6.6	6.7	6.9	6.9	6.9
11	6.8	6.7	6.8	6.7	6.6	6.6	7.0	6.6	6.7	7.0	6.8	6.9
12	7.0	6.7	6.9	---	---	---	6.9	6.6	6.7	7.1	6.9	6.9
13	7.0	6.7	6.8	---	---	---	6.9	6.5	6.7	7.2	7.0	7.0
14	6.9	6.8	6.8	---	---	---	6.8	6.6	6.7	7.2	7.0	7.0
15	7.0	6.7	6.8	---	---	---	6.9	6.8	6.9	7.2	7.0	7.0
16	7.0	6.8	6.8	6.9	6.6	6.7	6.9	6.6	6.6	7.3	7.0	7.1
17	6.9	6.8	6.8	6.9	6.7	6.7	6.7	6.6	6.6	7.3	7.0	7.2
18	6.8	6.7	6.7	6.9	6.7	6.8	6.7	6.6	6.6	7.2	6.8	7.0
19	6.8	6.7	6.8	7.0	6.7	6.7	6.7	6.6	6.6	6.9	6.8	6.9
20	6.8	6.7	6.7	7.0	6.7	6.7	6.7	6.6	6.7	7.0	6.9	7.0
21	6.8	6.7	6.8	7.0	6.6	6.9	6.8	6.7	6.7	7.1	7.0	7.0
22	6.8	6.7	6.8	7.1	6.9	7.0	6.8	6.7	6.7	7.1	7.0	7.0
23	6.8	6.5	6.5	7.0	7.0	7.0	6.9	6.7	6.7	7.2	6.9	7.0
24	6.6	6.5	6.6	7.2	7.0	7.1	6.9	6.6	6.7	7.3	7.0	7.0
25	6.8	6.5	6.6	7.2	7.0	7.1	6.9	6.7	6.7	7.3	6.9	7.0
26	7.0	6.5	6.7	7.3	7.1	7.1	6.9	6.6	6.7	7.3	7.0	7.0
27	6.7	6.6	6.6	7.3	7.1	7.1	7.0	6.5	6.9	7.2	7.0	7.0
28	6.7	6.5	6.5	7.3	7.1	7.1	6.9	6.6	6.7	7.2	7.0	7.1
29	6.6	6.5	6.5	7.3	7.0	7.1	6.8	6.6	6.8	7.3	6.8	7.1
30	---	---	---	7.2	6.9	7.1	6.9	6.8	6.8	7.1	7.0	7.0
31	---	---	---	7.3	6.9	7.1	---	---	---	7.1	6.8	6.9
MAX	7.2	6.8	6.9	---	---	---	7.1	6.9	7.1	7.3	7.0	7.2
MIN	6.6	6.5	6.5	---	---	---	6.7	6.5	6.6	6.9	6.7	6.8

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.1	6.9	7.0	6.9	6.7	6.9	7.0	6.9	7.0	---	---	---
2	7.0	6.9	6.9	6.8	6.6	6.8	7.1	7.0	7.0	---	---	---
3	7.0	7.0	7.0	6.8	6.8	6.8	7.2	6.9	7.1	7.1	7.0	7.0
4	7.0	7.0	7.0	6.9	6.8	6.9	7.1	6.9	7.0	7.1	7.0	7.1
5	7.1	7.0	7.0	6.9	6.8	6.9	7.0	7.0	7.0	7.2	6.9	7.1
6	7.1	7.0	7.1	7.1	6.9	7.0	7.2	7.0	7.1	7.0	6.9	6.9
7	7.4	6.8	7.0	6.9	6.9	6.9	7.0	6.8	6.9	7.2	6.8	7.0
8	7.0	6.9	6.9	7.0	6.9	7.0	7.0	6.9	7.0	7.0	6.8	6.9
9	6.9	6.9	6.9	7.1	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.9
10	7.0	6.8	6.9	7.2	7.0	7.1	7.0	7.0	7.0	7.0	6.9	6.9
11	7.1	6.0	6.9	7.3	7.0	7.0	7.1	7.0	7.0	7.0	6.9	7.0
12	7.2	7.0	7.0	7.3	7.0	7.0	7.3	6.7	7.0	7.0	6.9	6.9
13	7.2	7.0	7.0	7.3	7.0	7.0	7.1	6.9	7.0	7.0	6.9	6.9
14	7.2	7.0	7.0	7.2	7.0	7.0	7.1	7.0	7.0	7.0	6.9	6.9
15	7.3	7.0	7.1	7.1	6.9	7.0	7.1	6.9	7.0	7.0	6.9	6.9
16	7.3	7.0	7.2	7.1	6.9	7.0	7.0	6.9	6.9	7.1	6.8	6.9
17	7.2	6.8	7.0	7.0	6.9	6.9	7.0	7.0	7.0	7.3	6.9	7.1
18	6.9	6.8	6.9	7.0	6.8	6.9	7.0	7.0	7.0	7.0	6.9	6.9
19	7.0	6.9	7.0	7.3	6.8	7.1	7.1	7.0	7.0	7.0	6.9	6.9
20	7.1	7.0	7.0	7.3	7.0	7.1	7.1	7.0	7.1	7.0	6.9	7.0
21	7.1	7.0	7.0	7.0	6.9	6.9	7.2	7.0	7.1	7.0	7.0	7.0
22	7.2	6.9	7.0	7.0	6.9	6.9	7.0	6.9	6.9	7.0	6.9	6.9
23	7.3	7.0	7.0	7.0	6.9	6.9	7.0	6.8	6.9	6.9	6.8	6.9
24	7.3	6.9	7.0	6.9	6.9	6.9	7.2	6.9	7.0	6.9	6.8	6.8
25	7.3	7.0	7.0	6.9	6.8	6.9	7.1	6.9	6.9	6.9	6.8	6.8
26	7.2	6.9	7.0	7.6	6.8	6.9	7.0	6.9	6.9	6.9	6.8	6.8
27	7.1	6.6	7.0	7.0	6.9	7.0	7.0	6.9	6.9	7.0	6.8	6.8
28	7.1	6.8	7.0	7.0	6.9	7.0	7.0	6.9	7.0	7.3	7.0	7.0
29	6.9	6.9	6.9	7.2	7.0	7.1	7.0	6.9	7.0	7.0	6.8	6.9
30	6.9	6.8	6.9	7.2	6.9	7.0	---	---	---	6.9	6.8	6.8
31	---	---	---	7.0	6.8	6.9	---	---	---	---	---	---
MAX	7.4	7.0	7.2	7.6	7.0	7.1	---	---	---	---	---	---
MIN	6.9	6.0	6.9	6.8	6.6	6.8	---	---	---	---	---	---

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.9	14.4	16.4	18.3	13.0	15.4	11.0	7.1	8.9	10.2	5.3	7.5
2	17.9	14.1	15.7	18.3	13.0	15.4	10.5	7.0	8.6	10.6	7.1	8.8
3	17.3	13.0	14.8	18.2	12.7	15.2	7.9	6.9	7.6	13.0	9.0	10.9
4	18.9	13.5	16.0	18.8	15.6	17.2	7.5	6.5	6.9	14.2	10.8	12.4
5	19.6	14.6	17.0	20.3	17.8	18.8	8.1	6.7	7.4	14.6	11.7	13.8
6	19.5	16.9	18.1	21.1	19.7	20.2	8.0	6.1	7.0	12.8	8.4	10.8
7	19.7	17.7	18.5	21.8	19.0	20.1	8.4	4.4	6.2	11.8	9.4	10.3
8	20.5	18.4	19.3	19.6	18.1	18.8	8.7	4.3	6.2	10.9	8.6	9.8
9	20.3	18.8	19.4	18.4	14.0	16.6	9.2	5.3	7.2	8.7	5.8	7.2
10	20.7	18.9	19.5	15.6	11.9	13.5	12.4	8.7	10.5	8.2	4.8	7.0
11	19.6	18.6	19.0	16.0	11.0	13.2	11.6	10.1	10.5	7.2	2.9	4.9
12	21.5	18.2	19.4	18.2	12.2	15.0	12.3	9.7	10.8	8.2	3.0	5.3
13	21.0	17.0	19.0	16.2	10.2	13.5	10.4	7.0	9.2	9.9	5.6	7.3
14	21.0	17.1	19.4	12.4	8.3	10.1	9.4	6.7	8.2	10.4	5.9	8.1
15	18.4	14.7	16.3	13.7	8.4	10.8	10.8	7.3	8.7	10.5	7.4	9.1
16	17.9	12.2	14.8	15.0	9.6	12.3	10.3	6.3	8.5	9.8	5.4	7.3
17	15.2	12.2	14.0	16.5	13.8	15.0	10.9	7.8	9.4	7.9	5.6	6.9
18	17.6	12.4	14.7	17.6	14.1	15.9	10.1	6.6	8.6	11.7	7.8	9.6
19	17.9	12.1	14.7	18.6	16.0	17.3	8.5	5.5	6.9	11.1	6.3	9.2
20	18.5	12.7	15.3	17.9	15.0	16.1	6.8	3.8	5.0	7.6	3.6	5.5
21	19.1	13.1	16.1	15.7	12.4	13.9	6.7	2.6	4.4	7.8	3.4	5.3
22	18.7	14.5	16.6	15.0	10.7	12.7	7.6	2.9	5.0	8.4	4.1	6.0
23	18.1	13.4	15.7	15.0	10.5	12.6	9.5	4.3	6.8	7.5	3.9	5.6
24	17.8	12.9	15.2	13.4	11.9	13.0	11.3	8.9	9.7	9.8	4.0	6.7
25	18.3	14.3	15.9	13.2	9.6	11.9	11.5	8.6	9.7	10.1	6.6	8.6
26	18.7	15.6	17.1	12.0	7.8	9.8	10.5	6.4	8.7	8.9	6.7	8.2
27	18.2	16.4	17.6	12.8	10.0	11.4	8.9	4.4	6.4	11.0	5.8	8.9
28	17.4	15.4	16.4	14.6	11.0	13.4	8.7	4.3	6.4	7.2	3.3	5.1
29	19.1	15.2	16.7	13.3	10.6	11.6	10.1	5.9	8.0	7.3	2.7	4.9
30	17.6	12.9	15.0	13.2	8.6	11.0	10.7	7.9	9.5	9.1	4.8	6.7
31	17.9	12.7	15.0	---	---	---	11.2	7.2	9.4	8.4	4.5	6.2
MONTH	21.5	12.1	16.7	21.8	7.8	14.4	12.4	2.6	7.9	14.6	2.7	7.9

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.7	4.5	6.4	15.2	8.8	11.7	16.6	12.7	14.2	21.5	18.2	19.3
2	6.8	4.0	5.6	16.8	12.7	14.3	18.2	11.8	14.6	20.6	17.8	19.1
3	9.1	4.6	6.6	17.6	12.4	14.7	19.3	10.9	14.6	19.5	16.4	17.7
4	9.2	5.3	6.9	---	---	---	17.4	11.2	13.7	20.9	15.6	17.8
5	8.2	6.9	7.7	---	---	---	17.8	10.2	13.4	21.4	14.4	17.7
6	9.2	6.7	7.8	---	---	---	19.2	10.5	14.2	22.6	15.7	18.9
7	8.8	6.3	7.3	---	---	---	19.7	11.5	15.2	23.3	16.4	19.6
8	10.0	5.9	7.5	---	---	---	19.5	14.0	16.2	24.2	16.9	20.3
9	8.7	6.3	7.2	13.0	8.8	10.6	20.4	13.2	16.3	23.8	18.3	21.0
10	8.8	6.2	7.6	13.5	8.4	10.4	19.2	11.9	15.6	22.7	18.3	20.4
11	9.6	7.8	8.7	13.8	7.2	10.3	17.4	14.2	15.9	24.1	19.2	21.2
12	8.8	6.6	8.0	---	---	---	18.5	14.8	16.3	23.0	19.6	20.9
13	10.7	7.4	8.8	---	---	---	15.5	13.0	14.6	23.1	20.0	21.2
14	9.9	8.9	9.4	---	---	---	17.0	12.4	14.1	23.2	19.2	20.8
15	9.6	8.9	9.4	---	---	---	19.0	12.8	15.4	23.7	18.7	21.0
16	9.7	7.9	9.0	17.1	12.5	14.5	20.2	12.4	16.0	23.8	19.1	21.2
17	10.6	8.6	9.3	15.7	10.9	12.9	20.9	12.9	16.6	25.5	19.1	21.9
18	11.6	6.5	8.7	14.3	9.6	12.0	21.9	13.9	17.6	24.7	21.4	22.6
19	11.8	5.7	8.5	17.5	10.3	13.4	22.2	14.8	18.2	23.3	20.0	21.7
20	10.9	7.0	9.0	17.5	11.3	14.1	21.8	16.1	18.7	24.3	19.4	21.8
21	12.7	9.4	10.8	16.0	10.3	14.0	20.4	16.4	18.2	26.0	20.0	22.7
22	12.1	7.4	9.5	13.0	8.6	10.3	22.2	15.6	18.6	24.2	21.1	22.7
23	10.2	7.6	9.1	13.1	6.8	9.7	22.5	16.3	19.1	25.6	20.1	22.5
24	10.9	9.7	10.2	14.6	7.8	10.8	23.4	16.5	19.6	25.7	19.7	22.5
25	10.4	8.1	9.6	16.2	9.2	12.3	22.9	17.5	20.1	26.5	21.4	23.6
26	8.1	5.4	7.2	17.5	10.5	13.7	20.3	16.8	19.0	26.4	21.8	24.0
27	9.5	7.0	8.0	17.7	11.0	14.0	21.0	14.3	17.6	26.3	21.6	23.6
28	13.6	7.2	9.5	18.9	11.6	14.9	21.7	16.0	18.3	25.4	22.2	23.5
29	12.4	6.1	9.1	16.5	13.4	14.7	20.7	14.5	17.4	25.0	21.8	23.2
30	---	---	---	19.1	13.3	15.4	19.5	17.7	18.5	25.2	20.7	22.9
31	---	---	---	17.4	12.0	14.1	---	---	---	23.4	21.3	22.5
MONTH	13.6	4.0	8.4	---	---	---	23.4	10.2	16.6	26.5	14.4	21.3

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.0	20.5	21.6	24.9	22.7	23.6	27.7	23.9	25.7	---	---	---
2	22.5	18.5	20.7	25.0	22.7	23.5	27.5	24.1	25.4	---	---	---
3	22.7	18.9	20.9	26.0	22.8	24.1	28.7	23.1	25.5	24.9	22.8	23.6
4	24.3	19.9	21.9	26.8	22.6	24.5	28.2	23.1	25.3	25.4	22.4	23.6
5	23.9	18.8	21.4	27.8	23.2	25.2	27.1	23.1	25.0	25.7	22.5	23.7
6	25.1	20.2	22.4	27.6	23.2	25.0	27.7	23.2	25.0	23.4	22.0	22.7
7	24.2	20.6	21.9	27.1	22.2	24.5	25.6	22.0	23.5	23.6	21.7	22.7
8	23.8	18.3	21.0	27.7	22.6	24.8	25.0	19.7	22.1	23.1	22.1	22.7
9	22.7	18.3	20.4	27.3	22.8	25.1	24.4	19.9	22.1	25.4	21.5	23.0
10	24.2	19.2	21.2	27.5	23.4	25.3	22.5	21.0	21.7	25.5	21.5	23.0
11	23.0	19.6	20.9	28.3	23.4	25.6	24.3	19.8	21.9	25.1	21.3	22.9
12	23.1	20.0	21.2	27.1	23.6	25.4	24.4	20.9	22.9	24.2	21.1	22.5
13	23.2	19.2	20.8	28.3	23.7	25.8	25.0	21.1	22.6	22.7	21.1	21.9
14	23.7	18.7	21.1	28.8	24.0	26.1	25.4	20.5	22.6	22.9	20.1	21.4
15	23.9	19.1	21.3	27.7	23.8	25.5	25.4	21.5	23.1	21.5	20.6	21.1
16	25.5	19.1	22.0	26.5	22.0	24.3	25.3	21.8	23.2	23.0	21.2	22.0
17	24.7	21.4	22.6	25.5	23.2	24.3	25.5	21.5	23.3	23.0	21.9	22.4
18	23.3	20.0	21.7	27.3	23.4	25.0	25.2	21.1	23.1	23.7	20.9	22.0
19	24.3	19.4	21.8	26.5	22.3	24.1	25.1	21.0	23.0	23.4	19.6	21.1
20	26.0	20.0	22.7	26.8	21.3	23.8	25.1	21.4	23.2	22.6	19.2	20.5
21	24.2	21.1	22.7	26.4	22.0	24.2	25.6	22.7	24.0	23.1	19.3	20.7
22	25.6	20.1	22.5	27.3	22.4	24.7	27.0	23.1	24.5	22.5	18.5	20.3
23	25.7	19.7	22.5	28.1	23.4	25.5	25.3	22.8	23.8	22.5	18.0	20.2
24	26.6	21.4	23.6	28.3	23.6	25.8	25.5	21.9	23.7	22.7	19.1	20.9
25	26.4	21.8	24.0	28.0	23.1	25.7	24.5	23.1	23.8	22.7	19.4	21.0
26	24.8	21.6	23.3	26.9	24.0	25.3	25.6	21.9	23.6	22.1	19.2	20.7
27	26.0	21.8	24.0	25.7	23.6	24.6	26.3	22.1	24.0	21.2	20.2	20.5
28	24.3	22.9	23.5	27.1	23.6	25.0	26.8	22.4	24.4	22.1	20.2	21.0
29	25.3	22.5	23.7	26.2	23.1	24.3	25.7	23.2	24.4	22.1	19.8	20.8
30	24.7	22.9	23.5	26.9	23.8	25.0	---	---	---	22.7	19.1	20.7
31	---	---	---	27.7	23.9	25.5	---	---	---	---	---	---
MONTH	26.6	18.3	22.1	28.8	21.3	24.9	---	---	---	---	---	---

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	8.4	7.4	7.9	9.7	9.0	9.3	---	---	---
2	---	---	---	8.4	7.3	7.9	10.0	9.0	9.5	---	---	---
3	---	---	---	8.6	7.3	7.9	---	---	---	---	---	---
4	---	---	---	7.6	6.1	6.9	---	---	---	---	---	---
5	---	---	---	6.8	6.0	6.3	---	---	---	---	---	---
6	---	---	---	6.4	4.4	5.8	10.1	9.6	9.9	---	---	---
7	9.5	6.9	7.8	6.4	5.2	5.8	10.7	10.1	10.4	---	---	---
8	8.6	6.9	7.8	5.3	3.7	4.3	11.0	10.2	10.6	---	---	---
9	8.1	7.8	8.0	6.6	3.3	5.0	10.7	9.9	10.4	---	---	---
10	7.9	7.1	7.5	7.4	6.5	7.0	10.4	9.6	10	---	---	---
11	7.1	5.1	6.3	7.6	6.5	7.1	10.3	10.0	10.2	---	---	---
12	6.8	5.1	6.2	7.2	4.6	6.0	10.3	9.9	10.1	---	---	---
13	6.9	6.2	6.6	6.1	4.9	5.4	11.8	9.8	10.4	---	---	---
14	6.5	5.7	6.2	7.0	5.7	6.5	12.0	11.0	11.4	---	---	---
15	8.2	5.1	7.2	7.8	6.2	7.2	11.7	10.8	11.2	---	---	---
16	5.1	3.2	4.3	7.6	5.9	6.9	11.3	10.1	10.6	---	---	---
17	6.3	3.9	5.2	6.7	5.2	5.9	11.5	10.1	10.9	---	---	---
18	7.1	5.5	6.4	7.4	5.2	6.3	11.5	9.8	10.5	---	---	---
19	8.0	5.9	7.2	8.3	7.0	7.6	11.5	10.6	11.1	---	---	---
20	8.9	6.8	7.7	8.0	7.5	7.8	12.2	11.5	11.8	---	---	---
21	9.4	6.4	7.8	7.9	6.9	7.4	12.7	11.6	12.2	---	---	---
22	10.1	6.4	7.8	8.4	7.7	8.1	12.6	11.3	11.9	---	---	---
23	10.6	6.6	8.1	8.6	7.6	8.2	11.8	10.3	11.2	---	---	---
24	10.7	6.9	8.2	8.5	7.7	8.1	11.3	10.2	10.8	---	---	---
25	11.8	6.8	8.6	8.6	5.8	7.5	11.2	10.7	10.9	---	---	---
26	8.1	6.3	7.1	9.4	8.0	8.9	11.1	9.7	10.6	---	---	---
27	8.5	7.1	8.0	9.6	8.6	9.0	11.9	10.7	11.3	---	---	---
28	8.7	8.4	8.6	9.3	8.4	8.9	---	---	---	---	---	---
29	8.6	7.1	8.2	9.5	9.0	9.3	---	---	---	---	---	---
30	8.1	6.9	7.5	9.3	7.4	8.6	---	---	---	---	---	---
31	8.5	7.5	8.0	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	9.6	3.3	7.2	---	---	---	---	---	---

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	9.8	8.5	9.2	---	---	---	7.1	6.3	6.7
2	---	---	---	8.7	8.1	8.4	---	---	---	7.9	6.6	7.5
3	---	---	---	9.0	8.3	8.6	---	---	---	7.9	7.7	7.8
4	---	---	---	---	---	---	---	---	---	8.0	7.0	7.5
5	---	---	---	---	---	---	---	---	---	7.7	6.5	6.8
6	---	---	---	---	---	---	---	---	---	7.1	6.2	6.6
7	---	---	---	---	---	---	---	---	---	7.0	6.1	6.5
8	---	---	---	---	---	---	10.3	7.1	8.2	6.8	6.1	6.4
9	---	---	---	10.7	9.8	10.3	11.4	6.9	8.6	6.8	6.4	6.6
10	---	---	---	11.1	9.9	10.5	11.9	6.9	8.7	7.2	6.3	6.7
11	---	---	---	11.5	9.9	10.7	10.1	6.4	7.8	8.0	6.1	7.0
12	---	---	---	---	---	---	9.8	5.9	7.5	8.5	6.3	7.2
13	---	---	---	---	---	---	8.8	7.9	8.4	8.9	6.3	7.3
14	---	---	---	---	---	---	9.0	8.5	8.8	9.5	6.3	7.5
15	---	---	---	---	---	---	9.0	8.3	8.6	9.8	6.5	7.8
16	---	---	---	11.0	9.1	9.8	8.7	6.8	7.6	---	---	---
17	---	---	---	11.6	9.6	10.4	7.7	6.7	7.2	---	---	---
18	---	---	---	12.1	10.0	10.8	7.5	6.4	7.0	---	---	---
19	---	---	---	11.7	9.7	10.6	7.4	6.5	6.9	6.7	5.1	6.2
20	---	---	---	12.2	9.2	10.6	7.3	6.6	6.9	7.2	6.3	6.7
21	---	---	---	---	---	---	8.0	6.7	7.2	7.9	6.1	6.9
22	---	---	---	---	---	---	8.4	6.8	7.5	8.5	6.0	7.1
23	---	---	---	---	---	---	8.9	6.7	7.6	9.1	6.0	7.3
24	9.4	9.0	9.3	---	---	---	9.2	6.4	7.6	9.6	6.1	7.5
25	9.8	9.0	9.4	---	---	---	9.3	6.2	7.4	9.2	5.6	7.2
26	11.0	9.7	10.5	---	---	---	7.3	6.0	6.4	9.5	5.4	7.3
27	10.9	10.2	10.5	---	---	---	7.8	6.3	7.2	8.9	5.5	6.8
28	10.5	8.9	9.8	---	---	---	8.1	6.8	7.6	8.7	5.5	6.7
29	10.5	9.3	9.8	---	---	---	7.0	6.4	6.8	6.7	4.7	6.1
30	---	---	---	---	---	---	6.7	6.4	6.5	6.2	4.5	5.5
31	---	---	---	---	---	---	---	---	---	6.8	4.8	6.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	6.3	7.1	6.8	3.1	4.2	6.2	5.3	5.9	---	---	---
2	7.1	6.0	6.6	---	---	---	6.8	5.8	6.4	---	---	---
3	7.1	6.7	6.9	---	---	---	6.7	5.1	6.1	7.0	6.8	6.9
4	7.1	6.6	6.9	---	---	---	5.7	4.1	5.0	7.1	6.2	6.7
5	7.6	6.8	7.3	---	---	---	6.4	5.5	6.1	6.3	4.7	5.6
6	8.4	6.9	7.6	---	---	---	7.0	3.5	5.5	5.4	4.7	5.1
7	7.5	6.1	6.7	---	---	---	5.8	4.0	4.8	8.2	5.4	7.1
8	6.8	6.4	6.6	---	---	---	6.4	4.7	5.9	6.8	6.3	6.5
9	7.3	6.3	6.7	7.5	5.6	6.6	7.0	6.0	6.6	7.2	6.8	7.0
10	8.0	6.1	7.0	9.8	5.8	7.3	7.4	6.2	6.8	7.3	6.8	7.1
11	8.5	6.4	7.2	11.5	5.3	7.6	8.3	6.6	7.4	7.5	7.1	7.3
12	8.9	6.3	7.3	10.0	4.1	6.5	9.5	6.6	8.3	7.3	6.2	6.6
13	9.5	6.3	7.5	9.6	3.6	5.8	8.9	7.8	8.5	6.7	6.4	6.6
14	---	---	---	7.9	3.0	4.7	8.3	7.3	7.8	6.9	6.3	6.6
15	---	---	---	6.7	2.8	4.2	7.7	5.5	6.7	6.8	5.7	6.6
16	---	---	---	6.6	3.0	4.2	7.0	5.2	6.1	8.5	5.5	7.1
17	---	---	---	5.5	2.8	3.9	7.5	6.8	7.2	8.0	7.3	7.7
18	6.0	4.5	5.3	5.3	2.9	4.0	7.6	6.9	7.3	7.4	6.1	7.1
19	4.9	2.7	3.9	6.1	3.7	5.0	8.4	7.2	7.8	7.1	6.3	6.8
20	4.6	3.2	4.0	6.0	2.5	4.1	8.9	7.4	8.0	7.5	6.5	7.0
21	---	---	---	5.4	4.0	4.9	8.1	6.6	7.4	7.4	5.9	6.7
22	---	---	---	6.1	4.3	5.2	6.9	5.3	6.1	6.8	3.6	5.8
23	---	---	---	5.7	4.3	4.9	6.4	5.1	5.8	---	---	---
24	---	---	---	5.3	4.1	4.6	7.8	6.2	6.8	---	---	---
25	---	---	---	8.0	3.8	4.6	7.3	5.0	6.0	---	---	---
26	8.9	5.4	6.8	8.0	6.4	7.1	5.9	5.0	5.4	---	---	---
27	7.7	5.1	6.3	7.9	7.5	7.7	5.6	4.8	5.2	---	---	---
28	7.5	6.1	6.6	8.5	7.2	7.7	5.8	4.8	5.2	---	---	---
29	7.1	4.6	6.2	7.9	6.5	7.3	6.1	4.8	5.3	---	---	---
30	5.1	3.6	4.2	6.9	5.7	6.1	---	---	---	---	---	---
31	---	---	---	5.8	3.2	4.7	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	68	22	26	15	6.9	7.8	54	7.5	11	42	5.6	11
2	58	25	34	40	6.5	7.6	22	7.6	11	8.9	5.1	6.4
3	72	7.2	10	24	6.6	7.7	19	6.6	9.2	13	<5.0	7.6
4	72	6.5	9.3	37	5.9	6.7	83	7.6	32	150	6.1	16
5	27	5.9	7.8	280	5.7	7.7	110	13	40	1100	14	100
6	76	5.1	6.7	140	38	62	120	13	44	200	50	93
7	34	5.1	6.9	---	---	---	38	9.3	16	210	120	150
8	440	11	85	---	---	---	23	6.3	9.5	130	24	93
9	110	76	89	---	---	---	34	6.7	14	120	13	57
10	110	54	65	---	---	---	1200	7.4	130	95	10	41
11	66	34	56	---	---	---	230	73	160	68	6.9	18
12	63	5.9	8.9	---	---	---	180	52	78	80	6.0	7.7
13	23	5.7	8.0	---	---	---	140	22	57	87	6.0	22
14	32	6.5	9.1	---	---	---	190	58	110	33	5.2	11
15	44	7.1	12	---	---	---	120	77	91	16	5.2	10
16	54	11	21	---	---	---	83	9.1	28	---	---	---
17	---	---	---	---	---	---	370	32	130	---	---	---
18	---	---	---	---	---	---	140	14	37	86	15	41
19	>2200	6.3	8.3	1300	54	94	92	8.9	20	64	23	48
20	19	5.7	7.7	70	42	51	170	8.8	34	84	9.9	24
21	31	6.6	9.1	45	10	15	49	5.7	9.0	46	7.4	12
22	160	5.4	8.2	19	8.7	13	110	5.0	6.5	41	7.2	12
23	21	<5.0	7.2	49	8.7	15	130	<5.0	11	48	6.5	9.1
24	26	<5.0	6.0	75	8.2	14	240	13	39	25	6.1	8.2
25	28	<5.0	6.0	92	13	50	89	48	75	910	7.2	170
26	1400	<5.0	120	62	10	20	76	10	34	1200	59	79
27	200	26	66	340	8.4	11	26	8.6	11	630	31	56
28	80	58	70	360	58	74	64	6.8	8.8	1200	8.2	19
29	63	21	44	79	60	66	12	5.4	7.2	86	7.8	12
30	25	7.6	14	68	9.9	40	69	5.4	25	79	11	18
31	13	7.5	9.8	---	---	---	80	9.0	21	42	15	19
MAX	---	---	---	---	---	---	1200	77	160	---	---	---
MIN	---	---	---	---	---	---	12	5.0	6.5	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	23	15	16	100	10	12	---	---	---	120	8.7	15
2	790	16	21	46	12	18	110	49	64	>2200	54	280
3	340	56	160	64	14	19	66	48	56	320	210	260
4	170	70	120	---	---	---	82	42	55	250	150	180
5	87	7.9	43	---	---	---	100	38	56	170	8.8	28
6	850	11	140	---	---	---	100	36	51	72	8.8	11
7	170	140	150	---	---	---	58	6.9	40	80	8.9	12
8	140	71	130	---	---	---	60	6.6	10	56	10	13
9	95	8.2	13	40	16	22	21	7.1	10	80	21	29
10	78	8.8	19	92	22	37	95	6.7	9.9	77	14	23
11	77	12	23	87	30	40	130	7.5	15	49	14	18
12	---	---	---	---	---	---	>2200	8.8	16	920	5.7	17
13	180	100	110	---	---	---	1500	83	170	50	5.5	7.8
14	140	80	95	---	---	---	180	39	90	46	<5.0	6.2
15	270	66	100	90	27	33	81	41	48	50	<5.0	5.9
16	130	66	100	49	23	27	68	8.2	22	59	<5.0	5.9
17	74	46	63	190	22	25	110	7.5	11	390	5.5	140
18	60	9.8	18	53	21	26	49	8.1	14	130	32	96
19	54	10	14	56	22	28	38	8.4	10	51	5.1	14
20	28	10	13	66	21	26	58	8.2	11	24	<5.0	6.5
21	230	8.8	12	120	23	28	46	8.3	12	96	<5.0	6.8
22	45	8.6	11	96	25	28	46	7.0	10	21	<5.0	6.6
23	13	6.9	9.7	---	---	---	57	6.2	9.1	50	<5.0	7.4
24	56	6.9	11	---	---	---	57	6.5	9.8	55	<5.0	7.9
25	190	13	34	---	---	---	130	6.7	9.3	45	<5.0	6.0
26	140	33	86	---	---	---	180	7.1	21	49	<5.0	7.5
27	87	66	74	---	---	---	130	36	110	50	<5.0	8.4
28	83	12	32	---	---	---	140	62	120	99	<5.0	7.8
29	100	11	18	---	---	---	80	6.7	16	970	8.1	130
30	---	---	---	---	---	---	49	6.4	8.5	130	6.5	42
31	---	---	---	---	---	---	---	---	---	1200	6.9	92
MAX	---	---	---	---	---	---	---	---	---	2200	210	280
MIN	---	---	---	---	---	---	---	---	---	21	5.0	5.9

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

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

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	190	70	130	1900	49	67	52	11	12	---	---	---
2	70	9.2	26	1700	69	99	250	9.7	12	---	---	---
3	55	6.4	9.9	91	56	69	100	12	45	290	140	190
4	98	6.4	11	---	---	---	100	7.3	18	150	90	100
5	67	7.7	13	---	---	---	61	5.5	7.4	99	53	91
6	52	5.6	9.7	---	---	---	110	6.9	71	110	10	24
7	99	6.6	9.4	---	---	---	210	13	30	2100	17	170
8	800	8.1	39	---	---	---	67	5.7	8.0	110	79	95
9	46	14	27	---	---	---	67	6.4	8.1	98	34	40
10	48	5.3	9.3	---	---	---	54	6.6	7.5	48	18	27
11	81	<5.0	7.9	---	---	---	32	6.3	7.7	29	11	19
12	71	<5.0	8.1	---	---	---	1900	6.6	93	23	5.4	9.1
13	>2200	9.4	230	8.4	<5.0	<5.0	110	69	86	34	5.0	5.3
14	740	75	120	15	<5.0	<5.0	89	44	64	17	5.1	5.1
15	>2200	110	120	6.2	<5.0	<5.0	62	28	39	1200	5.5	9.1
16	220	74	180	9.8	<5.0	5.0	58	9.1	18	>2200	31	320
17	180	110	120	8.1	<5.0	5.1	39	9.3	11	370	52	80
18	110	58	83	46	<5.0	5.9	45	7.0	11	84	45	53
19	77	18	40	210	<5.0	110	96	6.0	8.3	79	48	57
20	26	12	17	160	12	59	170	5.6	8.6	56	36	44
21	>2200	10	27	14	5.0	6.3	140	14	83	44	25	33
22	---	---	---	13	5.0	5.1	84	37	49	30	9.9	22
23	---	---	---	8.9	5.0	5.1	44	5.8	18	13	7.3	9.9
24	---	---	---	9.3	5.1	5.1	81	5.2	8.0	10	5.2	7.8
25	---	---	---	1500	5.1	5.1	89	9.4	14	11	5.2	6.1
26	110	16	64	610	92	180	30	7.8	9.5	72	<5.0	10
27	>2200	52	68	240	55	120	28	5.7	7.9	>2200	5.5	18
28	1400	56	130	800	39	53	95	5.3	7.5	---	---	---
29	350	72	97	880	39	45	62	6.8	8.5	---	---	---
30	260	67	80	75	52	65	---	---	---	---	---	---
31	---	---	---	73	12	35	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

ALTAMAHA RIVER BASIN
2004 Water Year

02203700 INTRENCHMENT CREEK, NEAR ATLANTA, GA

LOCATION.—Lat 33°41'20", long 84°19'50", referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit Code 03070103, on upstream right bank of Constitution Road, 0.5 miles upstream from confluence with South River, 1.1 miles east of US 23, 1.0 miles southeast of Thomasville, and 2.0 miles south of Atlanta.

DRAINAGE AREA.—10.6 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 1974 to March 1994; March 10, 1999 to July 13, 2000; August 13, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
22...	1110	--	9	9	81345	1.84	2.5	5.0	--	7.7	78	7.1	205
22...	1125	--	9	9	81345	1.83	2.4	5.3	--	7.8	79	7.1	205
JAN													
14...	0905	--	9	9	81345	1.93	3.3	37	--	9.4	--	6.6	174
14...	0930	--	9	9	81345	1.94	3.4	40	--	9.4	--	6.6	174
JAN													
25-25	0639	0641	9	J	81345	2.55	20	57	--	--	--	7.3	143
JAN													
25-25	0939	0941	9	J	81345	5.99	436	370	--	--	--	7.4	72
JAN													
25-25	1109	1111	9	J	81345	5.32	323	370	--	--	--	7.4	72
28...	1030	--	9	9	81345	2.14	6.2	19	752	11.0	85	6.7	164
28...	1050	--	9	J	81345	2.15	6.4	22	749	11.1	86	6.7	171
FEB													
02-02	1725	1727	9	J	81345	2.62	24	500	--	--	--	7.2	132
FEB													
02-02	1809	1811	9	J	81345	5.24	311	1500	--	--	--	6.8	102
FEB													
02-02	1939	1941	9	J	81345	4.15	156	850	--	--	--	6.8	65
FEB													
02-02	2154	2156	9	J	81345	3.19	58	650	--	--	--	7.3	87
FEB													
03-03	0009	0011	9	J	81345	2.82	34	280	--	--	--	6.8	116
FEB													
06-06	0942	0944	9	J	81345	2.87	37	260	--	--	--	7.1	157
FEB													
06-06	1112	1114	9	J	81345	4.34	182	450	--	--	--	7.3	87
FEB													
06-06	1242	1244	9	J	81345	4.89	257	830	--	--	--	7.2	65
FEB													
06-06	1412	1414	9	J	81345	4.74	236	--	--	--	--	7.2	--
FEB													
06-06	1627	1629	9	J	81345	3.62	96	240	--	--	--	7.3	139
MAR													
08...	1045	--	9	9	81345	2.04	4.5	9.0	754	8.7	82	6.8	171
08...	1130	--	9	9	81345	2.05	4.7	9.2	748	9.4	90	6.8	163
29...	1100	--	9	9	81345	2.02	4.3	6.6	752	8.9	92	6.9	178
29...	1115	--	9	9	81345	2.02	4.3	12	752	9.9	98	7.1	154
APR													
12...	0800	--	9	9	81345	2.00	4.0	15	740	7.1	73	6.7	159
12...	0815	--	9	9	81345	2.00	4.0	15	740	7.8	81	6.7	162
APR													
12-12	1725	1727	9	J	81345	2.63	24	76	--	8.2	--	6.8	150
APR													
12-12	2150	2152	9	J	81345	2.65	25	<170	--	6.9	--	6.6	137
APR													
12-12	2235	2237	9	J	81345	6.69	573	E1300	--	--	--	E6.7	E110
APR													
12-12	2320	2322	9	J	81345	6.68	571	E780	--	--	--	E6.4	E62
APR													
13-13	0005	0007	9	J	81345	4.56	211	530	--	8.7	--	6.8	61
APR													
13-13	0050	0137	9	J	81345	4.07	146	--	--	--	--	E6.5	E73
APR													
13-13	0135	0137	9	J	81345	3.66	100	E560	--	--	--	E6.5	E85
APR													
13-13	0305	0307	9	J	81345	3.81	115	E640	--	--	--	E6.6	E80
MAY													
02-02	0019	0021	9	J	81345	2.01	4.1	290	--	6.9	--	6.8	149
MAY													
02-02	0104	0106	9	J	81345	7.45	734	E1010	--	--	--	E7.4	E75
MAY													
02-02	0149	0151	9	J	81345	5.20	305	630	--	7.8	--	7.1	65
MAY													
02-02	0234	0236	9	J	81345	5.20	305	570	--	7.7	--	7.0	65
MAY													
02-02	0319	0321	9	J	81345	3.26	63	520	--	7.6	--	6.9	67
MAY													
02-02	0404	0406	9	J	81345	2.94	41	460	--	7.5	--	6.8	68
10...	0745	--	9	9	81345	1.91	3.1	5.7	752	7.1	78	7.0	187
10...	0815	--	9	9	81345	1.91	3.1	7.4	752	7.6	83	7.0	184
24...	0810	--	9	9	81345	1.84	2.5	6.4	751	7.1	80	7.0	191
24...	0815	--	9	9	81345	1.85	2.6	5.6	751	7.2	81	7.0	190
MAY													
31-31	0805	0807	9	J	81345	3.34	70	610	--	7.0	--	6.2	166
MAY													
31-31	0850	0852	9	J	81345	5.51	353	3820	--	--	--	6.8	95
MAY													
31-31	0935	0937	9	J	81345	4.00	137	390	--	6.6	--	6.9	90

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
22...	16.0	53	3	13.5	4.58	3.60	.7	12.4	32	49.5	.1	17.1	15.1
22...	16.5	55	5	13.9	4.78	3.79	.8	12.8	32	49.4	.1	17.5	16.1
JAN													
14...	6.5	35	3	10.3	2.22	2.72	.4	5.66	24	31.6	<.02	7.80	11.6
14...	6.0	35	3	10.2	2.22	2.70	.4	5.82	25	31.9	<.02	7.83	11.8
JAN													
25-25	9.0	39	2	11.0	2.73	2.56	.4	5.78	23	37.2	M	7.91	15.6
JAN													
25-25	9.5	36	2	9.44	2.91	2.57	.5	6.22	26	33.3	M	6.97	18.8
JAN													
25-25	9.5	35	3	10.2	2.33	2.73	.4	5.29	23	32.0	M	7.76	12.5
28...	4.0	41	6	11.5	2.99	2.55	.5	7.01	26	35.4	M	10.2	17.4
28...	4.0	39	6	10.8	2.86	2.61	.4	6.00	24	33.3	M	9.66	15.3
FEB													
02-02	5.4	39	10	9.46	3.67	2.80	.4	6.39	25	28.9	M	10.6	11.6
FEB													
02-02	--	33	9	9.84	2.08	2.43	.4	5.01	23	24.3	<.02	7.67	7.40
FEB													
02-02	4.0	18	3	5.78	.85	2.02	.4	3.98	30	15.4	<.02	5.33	3.29
FEB													
02-02	4.0	21	4	6.50	1.15	2.32	.7	6.89	39	16.7	<.02	9.27	3.75
FEB													
03-03	--	26	7	7.82	1.55	2.81	.9	10.3	43	19.1	<.02	12.2	4.87
FEB													
06-06	6.8	49	9	13.2	3.85	2.82	.6	9.09	27	40.0	.1	16.8	14.9
FEB													
06-06	7.2	24	6	7.47	1.39	2.82	.6	7.35	36	18.9	<.02	8.96	4.93
FEB													
06-06	7.2	17	3	5.05	.97	2.66	.4	4.18	31	13.5	<.02	6.27	4.37
FEB													
06-06	--	19	4	5.92	1.04	2.75	.7	6.65	39	14.9	<.02	8.82	4.63
FEB													
06-06	9.1	37	7	11.3	1.98	3.63	1	15.0	44	29.9	<.02	20.0	6.93
MAR													
08...	12.0	54	9	14.5	4.28	2.92	.5	8.98	25	44.5	<.02	16.6	15.1
08...	12.5	56	15	15.1	4.45	3.29	.6	10.1	27	40.8	.1	16.2	14.9
29...	16.5	48	2	12.2	4.17	3.13	.7	10.8	31	45.8	.1	15.7	7.27
29...	14.5	51	14	12.1	5.10	2.71	.5	8.73	26	37.8	.1	13.9	11.8
APR													
12...	15.5	51	3	13.3	4.33	3.28	.6	9.84	28	48.1	.1	13.3	11.9
12...	16.0	50	3	13.1	4.24	3.18	.6	9.40	27	47.5	.1	13.8	11.6
APR													
12-12	18.5	43	1	11.2	3.54	3.49	.6	9.21	30	41.3	.1	12.7	9.79
APR													
12-12	15.5	36	4	10.2	2.45	3.36	.4	6.13	25	32.0	.1	8.04	7.45
APR													
12-12	--	40	--	13.5	1.59	3.64	.4	5.99	23	43.5	M	6.60	5.76
APR													
12-12	--	19	--	6.37	.65	2.54	.3	3.40	25	19.0	<.02	3.84	2.51
APR													
13-13	15.0	18	4	6.14	.74	2.49	.3	3.13	24	14.7	<.02	3.83	2.70
APR													
13-13	--	18	2	5.82	.83	2.62	.4	4.09	29	16.3	<.02	5.09	3.06
APR													
13-13	--	23	5	7.17	1.23	3.10	.5	5.46	31	17.8	<.02	6.77	4.24
APR													
13-13	--	21	4	6.71	.98	2.86	.6	5.90	34	16.6	<.02	7.25	3.24
MAY													
02-02	18.0	41	9	11.7	2.79	3.13	.5	7.43	27	31.9	.1	9.78	11.6
MAY													
02-02	--	27	5	8.94	1.11	2.91	.4	5.26	27	21.8	M	5.37	4.71
MAY													
02-02	19.0	21	4	6.82	.95	2.76	.4	4.14	27	16.8	<.02	5.32	3.69
MAY													
02-02	19.0	19	3	6.19	.91	2.72	.4	4.38	30	16.3	<.02	5.30	3.27
MAY													
02-02	19.0	20	4	6.41	.91	2.91	.5	5.06	32	15.5	<.02	5.28	3.40
MAY													
02-02	19.0	21	4	6.56	.99	2.82	.4	4.58	29	16.2	<.02	5.19	3.71
10...	19.0	51	1	13.8	4.00	3.86	.8	13.2	34	49.8	.1	18.7	16.8
10...	19.0	52	3	13.6	4.41	3.37	.7	11.4	31	49.0	.1	18.7	17.8
24...	20.5	52	--	13.3	4.44	3.60	.8	13.0	33	51.8	.1	19.1	15.2
24...	20.5	57	6	15.0	4.65	3.71	.9	14.9	35	51.1	.1	19.2	16.5
MAY													
31-31	21.9	46	.0	12.7	3.50	4.01	.7	10.4	31	45.9	.1	16.1	13.3
MAY													
31-31	--	37	9	12.2	1.49	3.52	.4	5.11	21	27.4	M	5.85	6.17
MAY													
31-31	21.5	24	6	8.06	.94	3.09	.4	4.07	24	18.0	<.02	4.55	3.92

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
OCT													
22...	7.9	109	.15	.17	.129	1.07	.060	--	<.100	<.10	1.55	830	530
22...	8.1	112	.15	.18	.138	1.14	.060	--	<.100	<.10	1.54	--	--
JAN													
14...	8.1	70	.10	.36	.276	.51	<.020	--	<.100	<.10	1.55	740	500k
14...	8.2	71	.10	.35	.268	.51	<.020	--	<.100	<.10	2.13	--	--
JAN													
25-25	7.6	79	.11	--	<.020	.72	<.020	--	<.100	<.10	2.13	--	--
JAN													
25-25	11.3	81	.11	--	<.020	.47	<.020	--	<.100	<.10	1.51	--	--
JAN													
25-25	8.2	71	.10	.03	.023	.52	<.020	--	<.100	.12	1.62	--	--
28...	8.8	86	.12	.31	.239	.82	<.020	--	<.100	<.10	2.10	--	--
28...	8.5	80	.11	.28	.219	.82	<.020	--	<.100	<.10	2.21	280	110
FEB													
02-02	8.3	78	.11	.05	.038	1.68	<.020	--	<.100	<.10	1.99	--	--
FEB													
02-02	8.7	62	.08	.05	.042	.83	<.020	--	<.100	<.10	1.12	--	--
FEB													
02-02	5.0	39	.05	.30	.234	.38	.190	--	<.100	<.10	.96	--	--
FEB													
02-02	6.0	49	.07	.13	.100	.48	<.020	--	<.100	<.10	.94	--	--
FEB													
03-03	8.0	62	.08	--	<.020	.63	<.020	--	<.100	<.10	1.30	--	--
FEB													
06-06	11.5	104	.14	.19	.147	1.74	<.020	--	<.100	<.10	1.64	--	--
FEB													
06-06	7.5	56	.08	.52	.404	.50	<.020	.527	.172	.18	1.66	--	--
FEB													
06-06	5.0	43	.06	.30	.235	.79	<.020	.730	.238	.60	1.09	--	--
FEB													
06-06	6.2	50	.07	.15	.119	.52	<.020	.702	.229	.24	1.16	--	--
FEB													
06-06	10.2	93	.13	.17	.134	.72	<.020	.699	.228	.56	1.77	--	--
MAR													
08...	10.2	104	.14	.37	.290	.88	<.020	--	<.100	<.10	1.31	--	--
08...	9.9	106	.14	.30	.230	1.45	<.020	--	<.100	<.10	1.68	530	350
29...	9.2	95	.13	.13	.100	.97	.040	--	<.100	<.10	<.10	190	200
29...	8.0	94	.13	.09	.070	1.96	.020	--	<.100	<.10	2.54	--	--
APR													
12...	8.2	97	.13	.38	.298	.66	.040	--	<.100	<.10	1.24	--	--
12...	8.5	97	.13	.47	.364	.69	.040	--	<.100	<.10	1.14	410	460
APR													
12-12	7.8	87	.12	.47	.364	.77	.040	--	<.100	<.10	2.40	--	--
APR													
12-12	8.7	70	.10	.46	.361	.91	.030	--	<.100	<.10	1.56	--	--
APR													
12-12	6.8	73	.10	.58	.450	.30	.020	--	<.100	<.10	1.16	--	--
APR													
12-12	5.3	39	.05	.26	.205	.44	.020	--	<.100	<.10	.80	--	--
APR													
13-13	4.8	36	.05	.19	.148	.50	.020	--	<.100	<.10	.91	--	--
APR													
13-13	5.3	39	.05	.04	.031	.57	.020	--	<.100	<.10	.69	--	--
APR													
13-13	6.2	49	.07	.17	.133	.69	.020	--	<.100	<.10	1.22	--	--
APR													
13-13	6.3	46	.06	.04	.029	.49	<.020	--	<.100	<.10	.87	--	--
MAY													
02-02	6.8	76	.10	.07	.052	.66	.030	--	<.100	<.10	.94	--	--
MAY													
02-02	5.4	50	.07	.04	.028	.52	.110	--	<.100	<.10	1.16	--	--
MAY													
02-02	4.8	41	.06	.07	.056	.44	.220	--	<.100	<.10	1.21	--	--
MAY													
02-02	5.0	41	.06	.04	.034	.51	.190	--	<.100	<.10	1.24	--	--
MAY													
02-02	5.4	42	.06	.07	.056	.48	.140	--	<.100	<.10	1.19	--	--
MAY													
02-02	5.8	43	.06	--	<.020	.60	.120	--	<.100	<.10	1.38	--	--
10...	9.4	114	.15	.27	.211	.77	.070	--	<.100	<.10	1.15	--	--
10...	9.4	112	.15	.27	.210	.78	.070	--	<.100	<.10	1.25	180	250
24...	7.4	110	.15	.13	.103	.60	.060	--	<.100	<.10	1.02	--	--
24...	7.2	117	.16	.13	.103	.95	.090	--	<.100	<.10	.95	970	1600
MAY													
31-31	8.4	103	.14	--	<.020	1.46	<.020	--	<.100	<.10	3.00	--	--
MAY													
31-31	8.4	63	.09	--	<.020	.86	<.020	--	<.100	<.10	2.16	--	--
MAY													
31-31	7.6	47	.06	--	<.020	.81	.050	--	<.100	<.10	2.32	--	--

Date	Total coliform, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)
OCT				
22...	19900	59.3	<100	70
22...	--	64.1	<100	70
JAN				
14...	10000	39.2	100	50
14...	--	39.7	100	50
JAN				
25-25	--	43.0	250	50
JAN				
25-25	--	48.0	200	60
JAN				
25-25	--	<30.0	100	50
28...	--	45.3	<100	60
28...	4770	30.1	<100	60
FEB				
02-02	--	35.5	<100	50
FEB				
02-02	--	47.3	240	40
FEB				
02-02	--	33.0	320	20
FEB				
02-02	--	36.3	220	20
FEB				
03-03	--	41.2	320	30
FEB				
06-06	--	51.3	160	70
FEB				
06-06	--	49.7	460	30
FEB				
06-06	--	56.4	760	20
FEB				
06-06	--	47.3	780	20
FEB				
06-06	--	49.8	670	50
MAR				
08...	--	61.4	290	80
08...	7800	78.7	280	70
29...	7200	58.3	<100	70
29...	--	68.1	120	70
APR				
12...	--	66.8	<100	70
12...	25000	69.7	120	70
APR				
12-12	--	43.0	240	60
APR				
12-12	--	56.1	<100	50
APR				
12-12	--	45.1	350	50
APR				
12-12	--	41.3	190	20
APR				
13-13	--	40.1	170	20
APR				
13-13	--	30.9	<100	20
APR				
13-13	--	27.0	140	30
APR				
13-13	--	40.7	180	30
MAY				
02-02	--	88.6	<100	60
MAY				
02-02	--	98.9	130	30
MAY				
02-02	--	44.0	<100	30
MAY				
02-02	--	61.8	110	20
MAY				
02-02	--	77.5	<100	20
MAY				
02-02	--	61.3	<100	30
10...	--	29.3	<100	70
10...	11000	42.7	100	70
24...	--	49.2	<100	70
24...	20000	65.1	<100	80
MAY				
31-31	--	71.9	<100	70
MAY				
31-31	--	65.9	<100	50
MAY				
31-31	--	58.6	<100	30

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
MAY													
31-31	1020	1022	9	J	81345	3.28	65	300	--	6.7	--	6.9	88
JUN													
13-13	0330	0332	9	J	81345	3.50	84	400	--	--	--	8.1	380
JUN													
13-13	0400	0402	9	J	81345	3.82	116	500	--	--	--	7.9	243
JUN													
13-13	0430	0432	9	J	81345	3.39	74	360	--	--	--	7.8	185
JUN													
13-13	1255	1257	9	J	81345	5.75	394	1000	--	--	--	7.7	113
JUN													
13-13	1325	1327	9	J	81345	8.34	950	3300	--	--	--	7.7	57
JUN													
13-13	1355	1357	9	J	81345	8.36	955	2100	--	--	--	7.5	43
JUN													
13-13	1425	1427	9	J	81345	7.59	766	2200	--	--	--	7.3	66
JUN													
13-13	1455	1457	9	J	81345	6.23	482	1200	--	--	--	7.3	82
JUN													
13-13	1525	1527	9	J	81345	5.07	285	1000	--	--	--	7.3	93
JUN													
13-13	1555	1557	9	J	81345	4.30	177	900	--	--	--	7.2	105
JUN													
13-13	1625	1627	9	J	81345	3.79	113	1000	--	--	--	7.2	119
JUN													
13-13	1655	1657	9	J	81345	3.46	80	1000	--	--	--	7.2	130
JUN													
14-14	1427	1429	9	J	81345	2.74	30	140	--	6.8	--	--	224
JUN													
14-14	1512	1514	9	J	81345	3.58	92	500	--	6.9	--	--	181
JUN													
14-14	1557	1559	9	J	81345	3.15	55	950	--	7.0	--	--	148
JUN													
14-14	1642	1644	9	J	81345	3.01	46	500	--	7.0	--	--	160
JUN													
14-14	1727	1729	9	J	81345	2.83	35	320	--	7.0	--	--	188
JUN													
15-15	1606	1608	9	J	81345	3.46	80	1800	--	6.9	--	--	94
JUN													
15-15	1651	1653	9	J	81345	5.37	331	1700	--	6.9	--	--	71
JUN													
15-15	1736	1738	9	J	81345	5.01	276	1500	--	6.9	--	--	68
JUN													
15-15	1821	1823	9	J	81345	3.99	136	1100	--	6.8	--	--	79
JUN													
15-15	1906	1908	9	J	81345	3.97	134	950	--	6.9	--	--	83
JUN													
15-15	1951	1953	9	J	81345	3.97	134	600	--	6.9	--	--	86
JUN													
15-15	2036	2038	9	J	81345	3.28	65	500	--	6.9	--	--	108
21...	0755	--	9	9	81345	1.90	3.0	8.5	--	5.1	--	7.1	246
21...	0800	--	9	9	81345	1.89	2.9	7.5	--	5.0	--	7.1	247
JUL													
19...	0940	--	9	J	81345	1.99	3.4	36	745	5.2	62	6.9	176
19...	0945	--	9	J	81345	1.99	3.4	38	745	4.5	54	6.9	176
27...	1155	--	9	J	81345	2.43	15	120	751	7.2	88	7.0	256
27...	1200	--	9	J	81345	2.43	15	130	751	7.4	90	7.0	258
AUG													
12-12	0945	1000	9	J	81345	4.85	252	380	738	7.9	95	7.3	113
AUG													
12-12	0950	1005	9	J	81345	4.85	252	380	738	9.0	108	7.0	80
SEP													
07-07	0326	0328	9	J	81345	3.19	58	370	--	6.7	--	7.1	141
SEP													
07-07	0355	0357	9	J	81345	4.45	196	780	--	7.1	--	7.1	79
SEP													
07-07	0425	0427	9	J	81345	6.50	535	680	--	7.3	--	7.0	66
SEP													
07-07	0725	0727	9	J	81345	7.91	842	460	--	7.9	--	6.8	60
SEP													
16-16	1432	1434	9	J	81345	3.07	50	120	--	7.4	--	7.1	149
SEP													
16-16	1517	1519	9	J	81345	3.52	86	270	--	7.4	--	7.1	104
SEP													
16-16	1547	1549	9	J	81345	3.99	136	570	--	7.8	--	7.1	77
SEP													
16-16	1617	1619	9	J	81345	7.93	847	E2000a	--	7.8	--	6.9	62

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
MAY													
31-31	22.0	24	8	7.98	.98	3.07	.4	3.97	24	16.2	<.02	4.59	3.83
JUN													
13-13	--	55	5	15.1	4.13	5.31	4	63.1	69	49.6	.1	18.4	14.1
JUN													
13-13	--	51	11	15.5	2.99	4.28	2	35.8	58	39.9	.1	9.1	12.7
JUN													
13-13	24.0	50	14	16.2	2.41	4.52	1	20.8	45	36.5	.1	7.5	9.96
JUN													
13-13	24.5	39	10	12.8	1.78	4.10	.7	10.0	33	29.3	M	7.5	9.09
JUN													
13-13	--	15	4	4.70	.75	2.84	.6	5.60	40	10.7	<.01	1.6	6.50
JUN													
13-13	23.5	13	4	4.10	.68	2.87	.4	3.31	30	9.4	<.01	1.3	6.50
JUN													
13-13	--	17	4	5.40	.78	3.74	.6	5.91	37	12.4	.1	4.4	6.33
JUN													
13-13	--	23	8	7.60	.97	4.00	.7	7.83	38	15.2	.1	7.2	6.53
JUN													
13-13	--	27	9	8.90	1.05	4.00	.7	8.03	36	17.7	M	8.3	6.54
JUN													
13-13	--	29	10	9.90	1.11	4.19	.8	9.55	38	19.4	M	10.2	7.00
JUN													
13-13	--	33	11	11.0	1.23	4.10	.8	10.6	38	21.8	<.01	11.9	6.67
JUN													
13-13	--	36	13	12.2	1.42	4.32	.8	11.0	36	23.1	<.01	13.6	7.75
JUN													
14-14	--	49	26	16.5	1.99	4.25	2	26.7	52	23.6	M	32.4	8.00
JUN													
14-14	--	51	19	16.5	2.33	4.19	1	19.2	43	31.9	.1	21.5	13.3
JUN													
14-14	--	34	9	10.9	1.51	3.98	1	16.0	48	24.2	.1	19.8	9.26
JUN													
14-14	--	30	8	9.90	1.21	3.62	2	21.2	57	21.9	<.01	24.6	6.78
JUN													
14-14	--	33	11	11.0	1.32	3.88	2	27.3	61	22.4	<.01	30.1	6.74
JUN													
15-15	--	19	4	5.30	1.30	4.34	1	10.3	48	14.5	<.01	13.1	8.82
JUN													
15-15	--	24	6	7.90	.95	3.23	.5	5.16	29	17.4	<.01	5.8	6.79
JUN													
15-15	--	16	3	4.90	.81	3.03	.8	7.03	44	12.7	<.01	7.6	8.70
JUN													
15-15	--	19	5	6.10	.95	3.61	.7	7.24	40	14.4	M	9.1	8.01
JUN													
15-15	--	26	8	8.70	1.06	3.80	.6	6.89	33	18.5	<.01	7.2	7.02
JUN													
15-15	--	26	8	8.80	1.05	3.85	.6	7.14	33	18.2	.1	7.5	7.09
JUN													
15-15	--	31	11	10.4	1.23	4.09	.8	10.2	38	20.2	M	11.1	7.21
21...	24.0	57	--	15.7	4.39	5.22	1	18.0	38	70.6	.1	22.1	16.7
21...	24.0	57	--	15.8	4.23	5.28	1	19.0	39	71.1	.1	22.1	16.2
JUL													
19...	23.0	48	--	12.9	3.82	3.65	.6	9.70	29	49.4	.1	13.9	10.9
19...	23.0	50	1	13.7	3.92	3.77	.6	10.2	29	49.2	.1	13.8	11.8
27...	24.5	35	6	11.2	1.66	4.34	2	31.8	63	28.7	<.01	35.8	5.67
27...	24.5	36	7	11.4	1.73	4.33	2	32.1	63	28.9	<.01	35.7	5.82
AUG													
12-12	23.0	18	3	6.10	.63	2.95	1	14.1	59	15.3	<.01	17.9	2.55
AUG													
12-12	22.7	17	2	5.80	.71	3.02	1	13.4	58	15.6	<.01	17.3	2.72
SEP													
07-07	22.0	--	--	--	--	--	--	--	--	38.0	.1	12.2	--
SEP													
07-07	22.0	--	--	--	--	--	--	--	--	23.4	M	5.55	--
SEP													
07-07	22.0	--	--	--	--	--	--	--	--	16.8	<.02	3.04	--
SEP													
07-07	21.5	--	--	--	--	--	--	--	--	13.5	<.02	4.57	--
SEP													
16-16	22.2	--	--	--	--	--	--	--	--	42.4	.1	12.4	--
SEP													
16-16	22.5	--	--	--	--	--	--	--	--	25.1	.1	6.31	--
SEP													
16-16	22.6	--	--	--	--	--	--	--	--	21.2	<.02	4.45	--
SEP													
16-16	23.0	--	--	--	--	--	--	--	--	15.1	<.02	10.2	--

ALTAMAHA RIVER BASIN
2004 Water Year
02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
MAY													
31-31	7.4	45	.06	--	<.020	.73	.060	--	<.100	<.10	2.01	--	--
JUN													
13-13	100	260	.35	--	<.010	2.23	<.010	--	<.050	.100	3.17	--	--
JUN													
13-13	65.2	175	.24	--	<.010	1.31	<.010	--	<.050	<.050	1.82	--	--
JUN													
13-13	41.3	128	.17	--	<.010	.72	<.010	.337	.110	.120	1.54	--	--
JUN													
13-13	14.3	79	.11	--	<.010	.45	<.010	--	<.050	<.050	1.03	--	--
JUN													
13-13	12.2	44	.06	.03	.020	.55	<.010	--	<.050	<.050	.95	--	--
JUN													
13-13	7.0	36	.05	.03	.020	.75	<.010	--	<.050	<.050	.86	--	--
JUN													
13-13	8.9	48	.07	.03	.020	.91	<.010	--	<.050	<.050	1.31	--	--
JUN													
13-13	7.5	56	.08	--	<.010	.79	.250	--	<.050	<.050	1.21	--	--
JUN													
13-13	7.6	60	.08	--	<.010	.74	.360	.337	.110	<.050	1.34	--	--
JUN													
13-13	8.2	67	.09	--	<.010	.70	.430	.307	.100	<.050	1.12	--	--
JUN													
13-13	9.9	73	.10	--	<.010	.73	.440	--	<.050	<.050	1.07	--	--
JUN													
13-13	10.7	80	.11	--	<.010	.69	.540	--	<.050	<.050	1.65	--	--
JUN													
14-14	16.8	127	.17	--	<.010	.70	.880	--	<.050	<.050	1.53	--	--
JUN													
14-14	13.2	115	.16	--	<.010	1.00	.300	--	<.050	<.050	1.67	--	--
JUN													
14-14	8.9	89	.12	--	<.010	.62	.320	.337	.110	<.050	2.41	--	--
JUN													
14-14	8.0	91	.12	--	<.010	.57	<.010	.368	.120	<.050	--	--	--
JUN													
14-14	8.9	106	.14	--	<.010	.64	<.010	.337	.110	<.050	--	--	--
JUN													
15-15	7.0	64	.09	--	<.010	1.00	<.010	--	<.050	<.050	--	--	--
JUN													
15-15	6.3	51	.07	--	<.010	.81	<.010	--	<.050	<.050	1.65	--	--
JUN													
15-15	4.7	49	.07	.03	.020	.75	<.010	--	<.050	<.050	--	--	--
JUN													
15-15	5.2	53	.07	.05	.040	.72	<.010	--	<.050	<.050	--	--	--
JUN													
15-15	6.4	58	.08	.03	.020	1.04	.020	--	<.050	<.050	--	--	--
JUN													
15-15	6.6	58	.08	--	<.010	.77	.140	--	<.050	<.050	--	--	--
JUN													
15-15	8.0	70	.09	.03	.020	.53	.600	.337	.110	<.050	--	--	--
21...	9.5	140	.19	3.05	2.37	.37	<.010	--	<.050	<.050	3.44	--	--
21...	9.4	140	.19	3.09	2.40	.34	<.010	--	<.050	<.050	3.59	18000	19000k
JUL													
19...	7.6	97	.13	1.46	1.13	.36	.430	--	<.050	<.050	--	--	--
19...	7.6	100	.14	1.37	1.06	.38	.450	--	<.050	<.050	--	270	630k
27...	9.6	121	.16	.28	.220	.62	<.010	--	<.050	<.050	--	--	--
27...	9.9	122	.17	.28	.220	.73	<.010	--	<.050	<.050	--	<1k	.0k
AUG													
12-12	5.1	60	.08	--	--	.41	<.010	--	--	--	--	<1k	2k
AUG													
12-12	5.2	59	.08	--	--	.42	<.010	--	--	--	--	--	--
SEP													
07-07	7.0	--	--	--	<.020	.83	.050	--	<.100	<.10	--	--	--
SEP													
07-07	4.9	--	--	--	<.020	.52	<.020	--	<.100	<.10	--	--	--
SEP													
07-07	3.9	--	--	--	<.020	.36	<.020	--	<.100	20.8	--	--	--
SEP													
07-07	4.1	--	--	--	<.020	.47	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	8.1	--	--	--	<.020	.94	.060	--	<.100	<.10	--	--	--
SEP													
16-16	6.6	--	--	--	<.020	.67	.070	--	<.100	<.10	--	--	--
SEP													
16-16	5.7	--	--	--	<.020	.61	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	4.0	--	--	.04	.030	.33	<.020	--	<.100	<.10	--	--	--

Date	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
MAY				
31-31	--	53.5	<100	30
JUN				
13-13	--	--	<50	80
JUN				
13-13	--	--	<50	80
JUN				
13-13	--	--	<50	70
JUN				
13-13	--	--	<50	60
JUN				
13-13	--	--	760	20
JUN				
13-13	--	--	900	20
JUN				
13-13	--	--	840	20
JUN				
13-13	--	--	680	30
JUN				
13-13	--	--	450	40
JUN				
13-13	--	--	450	40
JUN				
13-13	--	--	220	50
JUN				
13-13	--	--	300	50
JUN				
14-14	--	--	160	70
JUN				
14-14	--	--	<50	70
JUN				
14-14	--	--	<50	50
JUN				
14-14	--	--	<50	40
JUN				
14-14	--	--	240	50
JUN				
15-15	--	--	610	30
JUN				
15-15	--	--	660	30
JUN				
15-15	--	--	1110	20
JUN				
15-15	--	--	930	30
JUN				
15-15	--	--	720	40
JUN				
15-15	--	--	700	40
JUN				
15-15	--	--	540	40
21...	--	--	260	80
21...	>242000k	--	200	80
JUL				
19...	--	--	100	60
19...	35000	--	420	70
27...	--	--	160	50
27...	<1k	--	150	50
AUG				
12-12	1	--	<50	20
AUG				
12-12	--	--	<50	20
SEP				
07-07	--	--	--	--
SEP				
07-07	--	--	--	--
SEP				
07-07	--	--	--	--
SEP				
07-07	--	--	--	--
SEP				
16-16	--	--	--	--
SEP				
16-16	--	--	--	--
SEP				
16-16	--	--	--	--
SEP				
16-16	--	--	--	--

ALTAMAHA RIVER BASIN
2004 Water Year
02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)
OCT													
22...	1111	9	80020	1.84	5.0	--	7.7	7.1	205	16.0	2	E.02n	<.8
22...	1126	9	80020	1.83	5.3	--	7.8	7.1	205	16.5	2	<.04	<.8
JAN													
14...	0906	9	80020	1.93	37	--	9.4	6.6	174	6.5	3	.07	<.8
14...	0931	9	80020	1.94	40	--	9.4	6.6	174	6.0	3	.08	<.8
28...	1031	J	80020	2.14	19	752	11.0	6.7	164	4.0	5	.09	<.8
28...	1051	J	80020	2.15	22	749	11.1	6.7	171	4.0	5	.09	<.8
FEB													
02-02	1726	J	80020	2.62	500	--	--	7.2	132	5.4	8	.05	<.8
MAR													
08...	1046	9	80020	2.04	9.0	754	8.7	6.8	171	12.0	4	.06	<.8
08...	1131	9	80020	2.05	9.2	748	9.4	6.8	163	12.5	3	.07	<.8
29...	1116	9	80020	2.02	12	752	9.9	7.1	154	14.5	2	.04	<.8
APR													
12...	0801	9	80020	2.00	15	740	7.1	6.7	159	15.5	2	E.03n	<.8
12...	0816	9	80020	2.00	15	740	7.8	6.7	162	16.0	2	.04	<.8
MAY													
10...	0746	9	80020	1.91	5.7	752	7.1	7.0	187	19.0	2	E.02n	2.1
10...	0816	9	80020	1.91	7.4	752	7.6	7.0	184	19.0	3	E.02n	<.8
24...	0811	9	80020	1.84	6.4	751	7.1	7.0	191	20.5	2	E.03n	<.8
24...	0816	9	80020	1.85	5.6	751	7.2	7.0	190	20.5	2	E.02n	<.8
JUN													
13-13	0331	J	80020	3.50	400	--	--	8.1	380	--	4	E.02n	<.8
JUN													
13-13	0401	J	80020	3.82	500	--	--	7.9	243	--	8	E.03n	<.8
JUN													
13-13	0431	J	80020	3.39	360	--	--	7.8	185	24.0	10	E.03n	<.8
JUN													
13-13	1256	J	80020	5.75	1000	--	--	7.7	113	24.5	9	E.03n	<.8
21...	0756	9	80020	1.90	8.5	--	5.1	7.1	246	24.0	6	E.03n	<.8
21...	0801	9	80020	1.89	7.5	--	5.0	7.1	247	24.0	7	E.03n	<.8
JUL													
19...	0941	J	80020	1.99	36	745	5.2	6.9	176	23.0	3	<.04	<.8
19...	0946	J	80020	1.99	38	745	4.5	6.9	176	23.0	6	<.04	<.8
27...	1156	J	80020	2.43	120	751	7.4	7.0	256	24.5	15	.10	2.1
27...	1201	J	80020	2.43	130	751	7.4	7.0	258	24.5	15	.10	E.7n
AUG													
12-12	0946	J	80020	4.85	380	738	7.9	7.3	113	23.0	17	.06	E.7n
AUG													
12-12	0951	J	80020	4.85	380	738	9.0	7.0	80	22.7	20	.07	E.8n
SEP													
07-07	0327	J	80020	3.19	370	--	6.7	7.1	141	22.0	10	.05	<.8
SEP													
07-07	0356	J	80020	4.45	780	--	7.1	7.1	79	22.0	20	.06	<.8
SEP													
07-07	0426	J	80020	6.50	680	--	7.3	7.0	66	22.0	42	.05	<.8
SEP													
07-07	0726	J	80020	7.91	460	--	7.9	6.8	60	21.5	43	.04	E.7n
SEP													
16-16	1433	J	80020	3.07	120	--	7.4	7.1	149	22.2	11	E.02n	<.8
SEP													
16-16	1518	J	80020	3.52	270	--	7.4	7.1	104	22.5	10c	.04c	<.8c
SEP													
16-16	1548	J	80020	3.99	570	--	7.8	7.1	77	22.6	22	.04	<.8
SEP													
16-16	1618	J	80020	7.93	E2000a	--	7.8	6.9	62	23.0	40	.07	E.5n

Date	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT						
22...	1.3	E.07n	150	1.40	<.2	6.3
22...	1.6	.11	145	1.60	<.2	6.4
JAN						
14...	.8	.37	381	1.35	<.2	19.2
14...	.7	.37	371	1.25	<.2	18.7
28...	1.9	.27	265	1.30	<.2	25.8
28...	1.9	.26	253	1.24	<.2	23.9
FEB						
02-02	1.6	.12	142	1.03	<.2	3.4
MAR						
08...	1.9	.24	355	1.45	<.2	17.7
08...	1.6	.18	334	1.30	<.2	13.8
29...	1.0	E.07n	136	3.21	<.2	3.7
APR						
12...	1.6	.15	190	1.14	<.2	7.8
12...	1.6	.21	184	1.09	<.2	7.7
MAY						
10...	2.3	.15	123	1.65	<.2	7.8
10...	1.8	.13	120	1.89	<.2	7.2
24...	1.6	.10	115	1.14	<.2	5.9
24...	1.5	.10	111	1.10	<.2	4.9
JUN						
13-13	2.9	.40	41.6	1.27	<.2	5.9
JUN						
13-13	3.3	.58	59.8	1.20	<.2	9.9
JUN						
13-13	3.8	.91	104	1.37	<.2	14.9
JUN						
13-13	4.0	.82	149	.64	<.2	10.8
21...	2.5	.34	632	2.33	<.2	9.3
21...	2.5	.30	641	2.35	<.2	9.3
JUL						
19...	1.7	.12	246	1.53	<.2	2.7
19...	1.6	.31	252	1.44	<.2	2.9
27...	6.0	1.24	123	1.52	<.2	20.3
27...	6.2	1.15	129	1.64	<.2	20.0
AUG						
12-12	5.6	.48	10.3	.74	<.2	7.3
AUG						
12-12	5.8	.51	20.7	.75	<.2	7.4
SEP						
07-07	3.1	.15	129	1.52	<.2	4.1
SEP						
07-07	3.9	.30	49.0	.84	<.2	6.8
SEP						
07-07	3.9	.40	31.5	.78	<.2	4.9
SEP						
07-07	5.4	.40	18.1	.70	<.2	6.4
SEP						
16-16	2.4	.12	60.7	1.29	<.2	3.4
SEP						
16-16	3.7c	.22c	32.8c	.93c	<.2c	6.0c
SEP						
16-16	3.3	.28	10.9	.72	<.2	4.4
SEP						
16-16	5.0	.54	18.6	.67	<.2	5.6

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)
OCT													
22...	1111	--	80020	1.84	5.0	--	7.7	78	7.1	205	16.0	<.5	<.5
JAN													
14...	0906	--	80020	1.93	37	--	9.4	--	6.6	174	6.5	E.1	<.5
28...	1051	--	80020	2.15	22	749	11.1	86	6.7	171	4.0	E.1	<.5
MAR													
08...	1131	--	80020	2.05	9.2	748	9.4	90	6.8	163	12.5	M	M
29...	1101	--	80020	2.02	6.6	752	8.9	92	6.9	178	16.5	<.5	<.5
APR													
12...	0816	--	80020	2.00	15	740	7.8	81	6.7	162	16.0	M	<.5
MAY													
10...	0816	--	80020	1.91	7.4	752	7.6	83	7.0	184	19.0	<.5	<.5
24...	0816	--	80020	1.85	5.6	751	7.2	81	7.0	190	20.5	<.5	<.5
JUN													
21...	0801	--	80020	1.89	7.5	--	5.0	--	7.1	247	24.0	E.1	<.5
JUL													
19...	0946	--	80020	1.99	38	745	4.5	54	6.9	176	23.0	E.1t	<.5
27...	1201	--	80020	2.43	130	751	7.4	90	7.0	258	24.5	E.2t	<.5
AUG													
12-12	0946	1001	80020	4.85	380	738	7.9	95	7.3	113	23.0	E.1t	Mt

Date	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
22...	<.5	<.5	M	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	M
JAN													
14...	<.5	<.5	M	M	<5	<1	<1	<5	<1	<2	E.1	<.5	M
28...	<.5	<.5	E1	M	<5	<1	<1	E2	<1	<2	E.1	E.1	E.1
MAR													
08...	M	M	<2	M	<5	<1	<1	<5	<1	<2	E.1	E.1	<.5
29...	<.5	<.5	<2	M	<5	<1	<1	E2	<1	<2	E.6	<.5	E.1
APR													
12...	<.5	<.5	<2	M	<5	<1	<1	E1	<1	<2	E.3	<.5	E.1
MAY													
10...	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	E.1	<.5	E.1
24...	<.5	<.5	M	<1	<5	<1	<1	E2	<1	<2	<.5	<.5	E.1
JUN													
21...	<.5	<.5	E1	M	<5	<1	<1	E2	M	<2	E.1	<.5	E.3
JUL													
19...	<.5	<.5	E1t	<1	<5	<1	<1	E2t	Mt	<2	E.2t	<.5	E.2t
27...	<.5	<.5	E2t	<1	<5	<1	<1	E1t	<1	<2	E.3t	<.5	E.1t
AUG													
12-12	<.5	Mt	E1t	<1	<5	<1	<1	E2t	<1	<2	E.3t	E.2t	E.1t

ALTAMAHA RIVER BASIN
2004 Water Year
02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Anthracene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)
OCT													
22...	<.5	<.5	<.5	<2	M	<1	1.0	E.2	<.5	<1	<.5	<.5	E1
JAN													
14...	M	<.5	<.5	<2	<2	<1	E.3	E.2	<.5	<1	M	<.5	M
28...	M	<.5	E.1	E1	E1	M	<.5	E.3	M	<1	M	<.5	2
MAR													
08...	M	<.5	M	<2	<2	<1	<.5	E.3	M	<1	<.5	<.5	<2
29...	<.5	<.5	M	<2	<2	M	2.6	E.4	<.5	<1	M	<.5	<2
APR													
12...	M	<.5	E.1	<2	<2	<1	E.5	E.4	M	<1	E.1	<.5	<2
MAY													
10...	M	<.5	E.1	<2	<2	M	.5	E.2	M	<1	M	<.5	<2
24...	<.5	<.5	E.1	E1	E1	<1	<.5	E.2	E.1	<1	<.5	<.5	E2
JUN													
21...	E.1	<.5	E.2	<2	<2	M	<.5	10.0	M	M	M	<.5	E3
JUL													
19...	<.5	<.5	E.1t	E1t	<2	Mt	E.5t	E.3t	Mt	<1	<.5	<.5	2
27...	<.5	<.5	E.1t	E2t	E2t	Mt	<.5	.8	E.1t	Mt	<.5	<.5	2
AUG													
12-12	<.5	<.5	E.1t	Mt	E1t	Mt	<.5	1.8	E.1t	Mt	<.5	<.5	E2t

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
22...	<1.00	E.3	<.5	E4	M	<.5	M	<.5	<.5	E.1	<.5	<.5	<.5
JAN													
14...	<1.00	E.3	<.5	E2	M	<.5	<1	E.1	M	<.5	<.5	<.5	<.5
28...	E.2100	E.2	<.5	E4	<1	<.5	<1	M	E.1	<.5	<.5	<.5	<.5
MAR													
08...	E.1800	E.2	<.5	E2	<1	<.5	<1	M	M	<.5	<.5	M	<.5
29...	E.0900	E.5	<.5	<5	<1	M	<1	M	M	E.1	<.5	<.5	<.5
APR													
12...	E.1400	E.2	<.5	E2	<1	<.5	<1	M	E.1	M	<.5	M	<.5
MAY													
10...	<1.00	E.4	<.5	E4	<1	<.5	<1	M	M	<.5	<.5	<.5	<.5
24...	<1.00	.6	<.5	E4	<1	<.5	<1	M	E.1	<.5	<.5	<.5	<.5
JUN													
21...	E.6400	6.0	<.5	E18	M	M	<1	E.1	E.1	<.5	<.5	<.5	<.5
JUL													
19...	<1.00	E.4t	<.5	E4t	<1	<.5	Mt	<.5	E.1t	E.1t	<.5	<.5	<.5
27...	<1.00	1.0	<.5	E6	Mt	<.5	Mt	E.1t	E.1t	<.5	<.5	<.5	<.5
AUG													
12-12	E.3800t	.8	<.5	E6	Mt	<.5	Mt	E.1t	E.1t	<.5	<.5	E.1t	<.5

Date	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
22...	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.1	<.5	<.5	<.5
JAN													
14...	<.5	E.1	<.5	<.5	<.5	E.1	M	<2	E.1	E.2	<.5	M	<.5
28...	<.5	E.2	<.5	E.1	<.5	<.5	M	<2	E.1	E.4	<.5	M	<.5
MAR													
08...	<.5	E.2	<.5	<.5	<.5	M	<1	<2	M	.6	<.5	E.1	<.5
29...	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	<.5	<.5	<.5	M	M
APR													
12...	M	E.1	<.5	<.5	<.5	<.5	M	<2	M	E.4	<.5	M	M
MAY													
10...	<.5	<.5	<.5	M	<.5	<.5	<1	<2	M	<.5	<.5	M	M
24...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	M	<.5
JUN													
21...	<.5	E.2	<.5	E.1	<.5	<.5	M	<2	M	1.6	<.5	E.1	<.5
JUL													
19...	<.5	E.1t	<.5	E.1t	<.5	<.5	Mt	<2	<.5	<.5	E.2t	<.5	Mt
27...	<.5	E.3t	E.1t	Mt	<.5	Mt	Mt	<2	E.1t	1.0	<.5	<.5	Mt
AUG													
12-12	<.5	.5	E.1t	E.1t	<.5	E.1t	Mt	Mt	E.1t	E.3t	<.5	<.5	E.1t

Date	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)
OCT									
22...	<.5	E.2	<1	<.5	<.5	E8.2	E.1	E.2	<1.00
JAN									
14...	<.5	E.2	M	<.5	E.1	.8	E.1	E.1	<1.00
28...	<.5	E.2	M	<.5	E.1	2.4	E.1	E.1	<1.00
MAR									
08...	<.5	E.2	<1	<.5	M	.6	E.1	E.1	<1.00
29...	<.5	E.3	M	<.5	M	E1.0	E.1	E.1	<1.00
APR									
12...	<.5	E.2	M	<.5	E.1	.8	E.1	E.1	<1.00
MAY									
10...	<.5	E.2	M	<.5	E.1	.5	E.1	E.1	<1.00
24...	<.5	E.2	M	<.5	<.5	.5	E.1	E.2	<1.00
JUN									
21...	<.5	E.4	M	E.2	E.1	5.2	E.2	E.2	<1.00
JUL									
19...	<.5	E.2t	Mt	<.5	<.5	E1.3	.5	E.2t	--u
27...	Mt	E.4t	<1	<.5	E.2n	3.9	E.2t	E.2t	--u
AUG									
12-12	<.5	1.7	<1	<.5	E.5n	6.2	E.2t	E.3t	--u

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
22...	1127	--	1	9	81350	1.83	2.4	5.3	--	7.8	--	7.1	205
JAN													
14...	0932	--	1	9	81350	1.94	3.4	40	--	9.4	--	6.6	174
28...	1032	--	1	J	81350	2.14	6.2	19	752	11.0	85	6.7	164
FEB													
02-02	1727	1729	1	J	81350	2.62	24	500	--	--	--	7.2	132
MAR													
08...	1047	--	1	9	81350	2.04	4.5	9.0	754	8.7	82	6.8	171
29...	1117	--	1	9	81350	2.02	4.3	12	752	9.9	98	7.1	154
APR													
12...	0802	--	1	9	81350	2.00	4.0	15	740	7.1	73	6.7	159
APR													
12-12	1727	1729	1	J	81350	2.63	24	76	--	8.2	--	6.8	150
APR													
12-12	2152	2154	1	J	81350	2.65	25	<170	--	6.9	--	6.6	137
APR													
12-12	2237	2239	1	J	81350	6.69	573	E1300	--	--	--	E6.7	E110
APR													
12-12	2322	2324	1	J	81350	6.68	571	E780	--	--	--	E6.4	E62
APR													
13-13	0007	0009	1	J	81350	4.56	211	530	--	8.7	--	6.8	61
MAY													
10...	0747	--	1	9	81350	1.91	3.1	5.7	752	7.1	78	7.0	187
24...	0812	--	1	9	81350	1.84	2.5	6.4	751	7.1	80	7.0	191
MAY													
31-31	0807	0809	1	J	81350	3.82	115	780	--	6.9	--	6.2	159
MAY													
31-31	0852	0854	1	J	81350	5.44	342	3090	--	--	--	6.8	95
MAY													
31-31	0937	0939	1	J	81350	3.95	131	380	--	6.6	--	6.9	90
MAY													
31-31	1022	1024	1	J	81350	3.28	65	300	--	6.7	--	6.9	88
JUN													
13-13	0332	0334	1	J	81350	3.50	84	400	--	--	--	8.1	380
JUN													
13-13	0402	0404	1	J	81350	3.82	116	500	--	--	--	7.9	243
JUN													
13-13	0432	0434	1	J	81350	3.39	74	360	--	--	--	7.8	185
JUN													
13-13	1257	1259	1	J	81350	5.75	394	1000	--	--	--	7.7	113
JUN													
13-13	1327	1329	1	J	81350	8.34	950	3300	--	--	--	7.7	57
JUN													
13-13	1357	1359	1	J	81350	8.36	955	2100	--	--	--	7.5	43
JUN													
13-13	1427	1429	1	J	81350	7.59	766	2200	--	--	--	7.3	66
JUN													
13-13	1457	1459	1	J	81350	6.23	482	1200	--	--	--	7.3	82
JUN													
13-13	1527	1529	1	J	81350	5.07	285	1000	--	--	--	7.3	93
JUN													
13-13	1557	1559	1	J	81350	4.30	177	900	--	--	--	7.2	105
JUN													
13-13	1627	1629	1	J	81350	3.79	113	1000	--	--	--	7.2	119
JUN													
13-13	1657	1659	1	J	81350	3.46	80	1000	--	--	--	7.2	130
JUN													
14-14	1429	1431	1	J	81350	2.74	30	140	--	6.8	--	--	224
JUN													
14-14	1514	1516	1	J	81350	3.58	92	500	--	6.9	--	--	181
JUN													
14-14	1559	1601	1	J	81350	3.15	55	950	--	7.0	--	--	148
JUN													
14-14	1644	1646	1	J	81350	3.01	46	500	--	7.0	--	--	160
JUN													
14-14	1729	1731	1	J	81350	2.83	35	320	--	7.0	--	--	188
JUN													
15-15	1608	1610	1	J	81350	3.46	80	1800	--	6.9	--	--	94
JUN													
15-15	1653	1655	1	J	81350	5.37	331	1700	--	6.9	--	--	71
JUN													
15-15	1738	1740	1	J	81350	5.01	276	1500	--	6.9	--	--	68
JUN													
15-15	1823	1825	1	J	81350	3.99	136	1100	--	6.8	--	--	79
JUN													
15-15	1908	1910	1	J	81350	3.97	134	950	--	6.9	--	--	83
JUN													
15-15	1953	1955	1	J	81350	3.97	134	600	--	6.9	--	--	86

ALTAMAHA RIVER BASIN
2004 Water Year
02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
22...	16.5	4.8	1.4	12	420	1	1.2	62	41	69	7.0	61	16
JAN													
14...	6.0	13	3.9	11	630	3	1.8	120	28	160	9.6	330	52
28...	4.0	12	2.5	13	620	2	1.1	110	22	140	7.8	150	45
FEB													
02-02	5.4	6.5	.3	2.3	400	1	1.1	59	15	45	3.7	50	17
MAR													
08...	12.0	6.2	1.8	11	420	2	1.9	88	23	230	7.9	93	27
29...	14.5	8.1	2.1	7.0	400	2	1.7	91	17	70	8.6	73	23
APR													
12...	15.5	10	1.3	5.2	480	2	1.8	90	21	89	6.4	90	31
APR													
12-12	18.5	6.4	2.1	6.3	540	2	1.0	68	22	74	6.0	98	26
APR													
12-12	15.5	8.0	3.1	6.2	540	2	1.2	70	21	84	5.6	110	33
APR													
12-12	--	4.3	1.3	2.2	390	1	.3	45	10	42	2.9	66	16
APR													
12-12	--	2.8	.8	1.2	260	M	.1	31	6	26	2.1	38	8
APR													
13-13	15.0	7.1	2.7	5.7	460	2	.5	67	16	79	4.6	110	25
MAY													
10...	19.0	8.1	1.3	10	480	2	1.7	--o	21	95	6.4	110	27
24...	20.5	8.3	2.2	7.2	520	2	1.5	120	20	81	6.9	110	17
MAY													
31-31	21.9	8.4	2.2	5.4	570	2	1.0	90	25	89	5.3	130	27
MAY													
31-31	--	5.6	2.5	3.9	430	2	.6	58	13	63	3.7	93	13
MAY													
31-31	21.5	7.4	4.1	7.2	470	2	1.2	67	17	110	4.7	160	18
MAY													
31-31	22.0	8.6	5.0	11	500	2	1.3	83	22	130	5.0	170	25
JUN													
13-13	--	8.5	2.3	6.6	470	2	1.2	78	26	83	4.7	130	31
JUN													
13-13	--	9.8	3.2	5.8	570	3	1.2	90	30	99	5.1	150	43
JUN													
13-13	24.0	9.4	3.8	6.0	520	2	1.4	87	24	110	4.7	150	43
JUN													
13-13	24.5	8.1	2.3	4.8	480	2	1.0	72	20	82	4.3	120	30
JUN													
13-13	--	12	1.0	3.6	380	2	.3	56	19	48	4.5	69	40
JUN													
13-13	23.5	11	1.1	3.8	400	2	.4	63	17	52	4.3	75	37
JUN													
13-13	--	11	1.0	3.7	420	2	.3	66	21	57	4.7	70	39
JUN													
13-13	--	9.5	1.1	3.6	350	2	.4	56	18	55	4.1	75	33
JUN													
13-13	--	12	1.6	5.3	400	2	.6	68	23	74	5.1	97	42
JUN													
13-13	--	12	2.1	5.2	390	2	.6	69	24	79	5.4	110	44
JUN													
13-13	--	13	2.3	7.0	480	3	.6	82	23	96	6.2	110	42
JUN													
13-13	--	13	1.9	6.0	450	3	.6	78	23	90	6.0	110	40
JUN													
14-14	--	6.6	3.5	6.1	420	2	.6	66	14	96	3.6	98	24
JUN													
14-14	--	12	2.6	6.2	510	2	.4	78	23	100	5.6	99	41
JUN													
14-14	--	13	3.1	7.1	480	3	.7	89	26	120	6.4	120	51
JUN													
14-14	--	11	4.8	7.5	440	2	.8	82	21	140	5.3	130	43
JUN													
14-14	--	7.0	5.3	7.6	330	1	1.0	59	13	120	3.6	120	30
JUN													
15-15	--	9.8	.8	3.2	370	2	1.3	69	15	53	5.0	51	21
JUN													
15-15	--	12	1.4	4.2	520	2	.5	85	26	90	6.0	91	39
JUN													
15-15	--	11	1.3	5.5	440	2	.4	68	18	63	4.8	95	37
JUN													
15-15	--	11	1.4	5.5	440	2	.5	78	21	76	5.2	98	38
JUN													
15-15	--	13	1.9	6.3	520	3	.5	90	24	95	6.1	110	45
JUN													
15-15	--	13	2.3	7.0	490	3	.5	85	22	92	5.7	110	52

ALTAMAHA RIVER BASIN
2004 Water Year
02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
22...	5500	.11	4	43	1	<.5	210	<50	.250	77	340	<50	.5
JAN													
14...	1000	.49	4	65	1	<1	53	<100	.570	180	800	<100	10
28...	720	.33	5	67	1	<1	46	<100	.640	170	540	<100	7
FEB													
02-02	980	.05	2	24	M	<1	68	<100	.310	84	110	<100	3860
MAR													
08...	1800	.20	4	48	2	2	130	<100	.380	130	470	<100	5
29...	1100	.26	4	46	1	2	72	<100	.440	120	320	<100	5
APR													
12...	1100	.21	3	44	1	<.5	83	<50	.530	140	280	<50	12
APR													
12-12	2300	--o	3	31	M	M	200	<50	.510	86	330	<50	300
APR													
12-12	1800	--o	5	38	1	<1	240	<100	.460	110	360	<100	180
APR													
12-12	520	.10	1	19	M	<.50	60	<50	.460	65	190	<50	6100
APR													
12-12	300	.07	M	12	M	<.50	45	<50	.410	44	96	<50	4800
APR													
13-13	740	.26	3	33	M	<1	77	<100	.740	100	330	<100	890
MAY													
10...	990	.15	--o	--o	1	<.5	150	<50	.490	110	350	<50	7
24...	960	.30	6	62	1	<1	110	<100	.540	120	330	<100	7
MAY													
31-31	2000	.24	4	40	M	M	82	<50	.770	120	390	<50	2630
MAY													
31-31	730	.20	3	26	M	<1	64	<100	.670	89	290	<100	1230
MAY													
31-31	870	.18	4	36	1	<2	85	<150	.700	110	440	<150	402
MAY													
31-31	1100	--o	6	43	2	<.5	110	<100	.600	120	500	<100	236
JUN													
13-13	2100	.44	6	40	M	1	93	<50	.580	87	390	<50	1140
JUN													
13-13	2000	.34	8	51	1	<1	130	<100	.620	100	510	<100	582
JUN													
13-13	1200	.33	10	47	1	<1	140	<100	.580	98	560	<100	363
JUN													
13-13	900	.25	6	42	M	<1	61	<100	.610	83	390	<100	2300
JUN													
13-13	620	.13	5	35	M	<.5	39	<50	.630	92	180	<50	4060
JUN													
13-13	600	.13	5	36	M	<.5	41	<50	.660	91	180	<50	2550
JUN													
13-13	670	.14	5	43	M	<.5	47	<50	.640	98	180	<50	2080
JUN													
13-13	600	.61	5	37	M	<.5	43	<50	.590	84	190	<50	1430
JUN													
13-13	730	.21	6	47	M	<.5	57	<50	.620	100	260	<50	849
JUN													
13-13	750	.18	7	51	M	<1	61	<100	.660	110	280	<100	694
JUN													
13-13	870	.14	6	53	1	<1	100	<100	.710	160	310	<100	718
JUN													
13-13	830	.17	5	49	1	<1	100	<100	.680	150	270	<100	693
JUN													
14-14	760	.13	10	36	1	<1	170	<100	.440	120	350	<100	299
JUN													
14-14	960	.16	7	50	1	<1	150	<100	.740	160	320	<100	490
JUN													
14-14	840	.14	11	59	1	<1	110	<100	.720	170	330	<100	514
JUN													
14-14	770	.16	10	52	2	M	130	<150	.590	150	410	<150	313
JUN													
14-14	610	--o	10	37	2	M	140	<50	.380	110	360	<50	247
JUN													
15-15	960	.15	2	32	M	<.5	40	<50	.520	130	160	<50	3200
JUN													
15-15	930	.14	3	54	M	<1	60	<100	.700	170	270	<100	1700
JUN													
15-15	600	.12	2	40	M	<.5	50	<50	.580	130	200	<50	1420
JUN													
15-15	670	.13	3	48	1	<.5	60	<50	.600	150	220	<50	946
JUN													
15-15	780	.15	5	58	1	<1	90	<100	.800	170	290	<100	655
JUN													
15-15	720	.18	5	53	2	<2	100	<150	.730	160	290	<150	494

ALTAMAHA RIVER BASIN
2004 Water Year
02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
JUN													
15-15	2038	2040	1	J	81350	3.28	65	500	--	6.9	--	--	108
21...	0757	--	1	9	81350	1.90	3.0	8.5	--	5.1	--	7.1	246
JUL													
19...	0942	--	1	J	81350	1.99	3.4	36	745	5.2	62	6.9	176
27...	1157	--	1	J	81350	2.43	15	120	751	7.4	90	7.0	256
AUG													
12-12	0507	0638	1	J	81350	3.12	53	480	--	8.2	--	7.1	96
AUG													
12-12	0721	0723	1	J	81350	4.88	256	1260	--	8.8	--	6.7	43
AUG													
12-12	0806	0808	1	J	81350	7.49	743	1160	--	8.9	--	7.0	43
AUG													
12-12	0851	0853	1	J	81350	6.51	537	480	--	9.1	--	7.2	62
AUG													
12-12	0947	1002	1	J	81350	4.85	252	380	738	7.9	95	7.3	113
AUG													
12-12	0952	1007	1	J	81350	4.85	252	380	738	9.0	108	7.0	80
SEP													
07-07	0328	0330	1	J	81350	3.19	58	370	--	6.7	--	7.1	141
SEP													
07-07	0357	0359	1	J	81350	4.45	196	780	--	7.1	--	7.1	79
SEP													
07-07	0427	0429	1	J	81350	6.50	535	680	--	7.3	--	7.0	66
SEP													
07-07	0727	0729	1	J	81350	7.91	842	460	--	7.9	--	6.8	60
SEP													
16-16	1434	1436	1	J	81350	3.07	50	120	--	7.4	--	7.1	149
SEP													
16-16	1519	1521	1	J	81350	3.52	86	270	--	7.4	--	7.1	104
SEP													
16-16	1549	1551	1	J	81350	3.99	136	570	--	7.8	--	7.1	77
SEP													
16-16	1619	1621	1	J	81350	7.93	847	E2000a	--	7.8	--	6.9	62

Date	Temper-ature, water, deg C (00010)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
JUN													
15-15	--	12	3.1	7.8	480	2	.7	81	20	100	5.2	110	47
21...	24.0	8.2	1.7	13	500	2	1.9	140	20	100	7.1	130	27
JUL													
19...	23.0	5.9	.9	5.7	520	1	.6	63	20	43	4.2	65	17
27...	24.5	13	2.6	14	410	2	1.5	110	26	200	7.5	270	42
AUG													
12-12	22.1	8.0	1.6	6.2	420	2	1.2	68	20	77	5.3	110	25
AUG													
12-12	21.7	12	.9	5.4	380	2	1.4	78	19	290	5.9	53	29
AUG													
12-12	22.5	5.5	.8	2.6	370	1	.4	42	11	31	3.0	37	16
AUG													
12-12	22.7	4.7	.9	2.8	280	1	.4	56	12	33	4.0	37	13
AUG													
12-12	23.0	10	3.1	9.1	450	2	1.2	65	22	96	5.2	98	31
AUG													
12-12	22.7	11	3.1	9.5	450	2	1.2	71	23	110	5.5	110	34
SEP													
07-07	22.0	6.8	2.3	6.7	350	2	.7	59	16	57	3.9	78	19
SEP													
07-07	22.0	11	2.0	7.1	470	2	1.4	86	24	85	6.0	100	30
SEP													
07-07	22.0	9.1	1.4	5.0	480	2	.8	74	20	69	4.9	82	25
SEP													
07-07	21.5	13	2.3	14	500	3	.6	83	25	100	6.5	130	37
SEP													
16-16	22.2	3.2	.5	2.2	290	M	.2	39	8	21	2.1	34	8
SEP													
16-16	22.5	6.9	2.0	7.1	440	2	.8	77	18	64	3.9	96	23
SEP													
16-16	22.6	10	1.5	5.9	530	2	1.3	81	24	77	5.4	110	30
SEP													
16-16	23.0	4.7	.5	1.7	370	1	.2	43	10	28	2.8	41	13

ALTAMAHA RIVER BASIN
2004 Water Year
02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
JUN													
15-15	720	.15	8	49	2	M	120	<100	.710	150	340	<100	326
21...	1600	.21	12	85	1	M	120	<50	.480	110	400	<50	8
JUL													
19...	2700	.08	3	35	M	<.5	69	<50	.550	74	200	<50	95
27...	920	.06	4	75	M	2	57	<50	.600	180	710	<50	51
AUG													
12-12	1500	.16	2	42	M	M	100	<50	1.1	120	330	<50	634
AUG													
12-12	1300	.14	2	43	1	<.5	46	<50	.560	150	230	<50	998
AUG													
12-12	580	.06	1	21	M	1	62	<50	.660	71	130	<50	3730
AUG													
12-12	780	.05	1	23	M	M	50	<50	.890	88	130	<50	1490
AUG													
12-12	730	.16	4	43	1	3	93	<100	.620	140	330	<100	381
AUG													
12-12	800	.12	4	46	1	65	89	<100	.650	140	350	<100	343
SEP													
07-07	970	.17	2	31	M	3	120	<100	.590	98	240	<100	534
SEP													
07-07	1200	.13	4	45	1	3	95	<100	.710	150	290	<100	508
SEP													
07-07	940	.11	2	37	M	1	73	<100	.750	120	210	<100	802
SEP													
07-07	800	--o	4	48	1	<1	96	<100	.810	160	310	<100	297
SEP													
16-16	690	.05	<2	15	M	<1	86	<100	.620	57	81	<100	1040
SEP													
16-16	1200	--o	3	32	M	<1	120	<100	.490	97	280	<100	364
SEP													
16-16	1200	.21	2	43	M	<1	86	<100	.700	130	280	<100	824
SEP													
16-16	510	.04	M	18	M	<.5	54	<50	.630	71	100	<50	4540

Remark codes used in this table:
- < -- Less than
- > -- Greater than
- E -- Estimated value
- M -- Presence verified, not quantified

Value qualifier codes used in this table:
- a -- Value extrapolated at high end
- c -- See laboratory comment
- k -- Counts outside acceptable range
- n -- Below the LRL and above the LT-MDL
- t -- Below the long-term MDL

Null value qualifier codes used in this table:
- o -- Insufficient amount of water
- u -- Unable to determine-matrix interference

02204068 TRIBUTARY TO SOUTH RIVER AT FLAT BRIDGE ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°37'48", long 84°07'55", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, approximately 1.2 miles south of Klondike, GA.

DRAINAGE AREA.—1.25 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.— Invertebrates: June 2, 2003 and August 3, 2004. Fishes: June 12, 2003 and September 29, 2004.

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 80 meters. Abbreviations: sp.-species, mm- millimeters, g-grams.

Invertebrates

Taxa	Abundance Multi-habitat	Visual
Bivalvia		
Veneroida		
Corbiculidae		
Corbicula fluminea	5	5
ANNELIDA		
Oligochaeta		
Haplotaxida		
Lumbricidae		
Naididae		
Nais behningi	3	
Nais communis		1
Slavina appendiculata		7
Tubificidae w.o.h.c.	3	
Limnodrilus hoffmeisteri		
Lumbriculida		
Lumbriculidae		
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Procambarus sp.	2	
Insecta		
Ephemeroptera		
Baetidae	1	
Baetis sp.	1	2
Centroptilum sp.	3	
Pseudocloeon sp.		5
Ephemerellidae		
Serratella sp.	4	
Ephemeridae		
Hexagenia sp.		1
Heptageniidae		
Stenacron interpunctatum		1
Stenonema modestum	44	31
Isonychiidae		
Isonychia sp.	11	
Odonata		
Aeshnidae		

02204068 TRIBUTARY TO SOUTH RIVER AT FLAT BRIDGE ROAD, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Boyeria vinosa	4	
Calopterygidae		
Calopteryx sp.	2	
Cordulegastridae		
Cordulegaster sp.	3	4
Gomphidae		
Gomphus sp.	3	1
Hagenius brevistylus	1	
Progomphus obscurus	3	3
Plecoptera		
Perlidae		
Acroneuria sp.	7	
Hemiptera		
Gerridae		
Trepobates sp.		1
Veliidae		
Rhagovelia obesa	1	
Megaloptera		
Corydalidae		
Nigronia serricornis	3	1
Trichoptera		
Hydropsychidae		
Ceratopsyche sparna		
Cheumatopsyche sp.	54	2
Hydropsyche betteni gp.	10	1
Lepidostomatidae		
Lepidostoma sp.	1	
Philopotamidae		
Chimarra aterrima	19	
Coleoptera		
Circulionidae	1	
Dryopidae		
Helichus basalis		1
Elmidae		
Ancyronyx variegata	5	1
Macronychus glabratus	10	7
Stenelmis sp.	1	
Gyrinidae		
Dineutus sp.	1	2
Ptilodactylidae		
Anchytarsus bicolor	1	1
Diptera		
Chironomidae	4	2
Ablabesmyia mallochi	2	3
Brillia flavifrons	1	
Cladotanytarsus sp.	3	3
Conchapelopia sp.	13	3
Larsia sp.	3	
Polypedilum flavum	9	
Polypedilum halterale	1	
Polypedilum illinoense	12	1
Rheocricotopus robacki	2	
Robackia demeijerei	1	
Stelechomyia perpulchra		1
Tanytarsus sp.	1	1
Tribelos sp.	3	
Xylotopus par	1	1
Tabanidae		
Chrysops sp.	1	1
Tipulidae		
Pseudolimnophila sp.	1	
Tipula sp.	4	

Fishes

Scientific Name	Common Name	Count	Total Length, mm	Weight, g
Ameiurus natalis	yellow bullhead	1	60	2.7
Gambusia affinis	western mosquitofish	1	42	0.8
Gambusia affinis	western mosquitofish	1	33	0.5

02204068 TRIBUTARY TO SOUTH RIVER AT FLAT BRIDGE ROAD, NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length, mm	Weight, g
Gambusia affinis	western mosquitofish	1	34	0.5
Gambusia affinis	western mosquitofish	1	27	0.2
Gambusia affinis	western mosquitofish	1	27	0.2
Gambusia affinis	western mosquitofish	1	36	0.6
Gambusia affinis	western mosquitofish	1	28	0.3
Gambusia affinis	western mosquitofish	1	27	0.2
Gambusia affinis	western mosquitofish	1	35	0.4
Gambusia affinis	western mosquitofish	1	23	0.2
Lepomis macrochirus	bluegill	1	34	0.4
Lepomis macrochirus	bluegill	1	37	0.2
Lepomis macrochirus	bluegill	1	30	0.3
Lepomis macrochirus	bluegill	1	56	1.4
Lepomis macrochirus	bluegill	1	48	1.2
Lepomis macrochirus	bluegill	1	50	1.7
Lepomis macrochirus	bluegill	1	50	1.7
Lepomis macrochirus	bluegill	1	50	1.7
Lepomis macrochirus	bluegill	1	110	16.0
Lepomis macrochirus	bluegill	1	35	0.5
Lepomis macrochirus	bluegill	1	35	0.6
Lepomis macrochirus	bluegill	1	70	4.2
Lepomis macrochirus	bluegill	1	98	10.0
Micropterus salmoides	largemouth bass	1	68	2.7
Nocomis leptocephalus	bluehead chub	1	170	53.0
Nocomis leptocephalus	bluehead chub	1	135	28.0
Nocomis leptocephalus	bluehead chub	1	115	16.0
Nocomis leptocephalus	bluehead chub	1	121	20.0
Nocomis leptocephalus	bluehead chub	1	114	16.0
Nocomis leptocephalus	bluehead chub	1	58	2.0
Nocomis leptocephalus	bluehead chub	1	65	2.8
Nocomis leptocephalus	bluehead chub	1	55	1.7
Nocomis leptocephalus	bluehead chub	1	57	2.2
Nocomis leptocephalus	bluehead chub	1	111	16.0
Nocomis leptocephalus	bluehead chub	1	68	3.8
Nocomis leptocephalus	bluehead chub	1	76	5.0
Nocomis leptocephalus	bluehead chub	1	48	1.2
Nocomis leptocephalus	bluehead chub	1	110	14.0
Nocomis leptocephalus	bluehead chub	1	120	18.0
Nocomis leptocephalus	bluehead chub	1	91	9.0
Nocomis leptocephalus	bluehead chub	1	55	1.7
Nocomis leptocephalus	bluehead chub	1	71	4.8
Notropis longirostris	longnose shiner	1	145	32.0
Notropis longirostris	longnose shiner	1	148	35.0
Notropis longirostris	longnose shiner	1	116	19.0
Notropis longirostris	longnose shiner	1	70	3.6
Notropis longirostris	longnose shiner	1	64	3.0
Notropis lutipinnis	yellowfin shiner	1	75	3.8
Notropis lutipinnis	yellowfin shiner	1	70	3.8
Notropis lutipinnis	yellowfin shiner	1	50	1.2
Notropis lutipinnis	yellowfin shiner	1	30	0.3
Notropis lutipinnis	yellowfin shiner	1	67	2.4
Notropis lutipinnis	yellowfin shiner	1	52	1.7
Notropis lutipinnis	yellowfin shiner	1	56	1.9
Notropis lutipinnis	yellowfin shiner	1	65	2.5
Notropis lutipinnis	yellowfin shiner	1	60	2.6
Notropis lutipinnis	yellowfin shiner	1	60	2.4
Notropis lutipinnis	yellowfin shiner	1	72	4.2
Notropis lutipinnis	yellowfin shiner	1	71	3.5
Notropis lutipinnis	yellowfin shiner	1	50	1.2
Notropis lutipinnis	yellowfin shiner	1	73	3.3
Notropis lutipinnis	yellowfin shiner	1	45	1.7
Notropis lutipinnis	yellowfin shiner	1	56	1.9
Notropis lutipinnis	yellowfin shiner	1	68	2.8
Notropis lutipinnis	yellowfin shiner	1	50	1.8
Notropis lutipinnis	yellowfin shiner	1	63	1.4
Notropis lutipinnis	yellowfin shiner	1	65	1.4
Notropis lutipinnis	yellowfin shiner	1	50	1.5
Notropis lutipinnis	yellowfin shiner	1	60	2.9
Notropis lutipinnis	yellowfin shiner	1	34	0.0
Notropis lutipinnis	yellowfin shiner	1	52	1.6
Notropis lutipinnis	yellowfin shiner	1	65	2.2
Scartomyzon rupiscartes	striped jumprock	1	70	2.0
Scartomyzon rupiscartes	striped jumprock	1	73	3.6
Semotilus atromaculatus	creek chub	1	68	4.0
Semotilus atromaculatus	creek chub	1	76	5.0

02204068 TRIBUTARY TO SOUTH RIVER AT FLAT BRIDGE ROAD, NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length, mm	Weight, g
Semotilus atromaculatus	creek chub	1	76	5.1
Semotilus atromaculatus	creek chub	1	55	2.1
Semotilus atromaculatus	creek chub	1	42	1.1

2004 Water Year

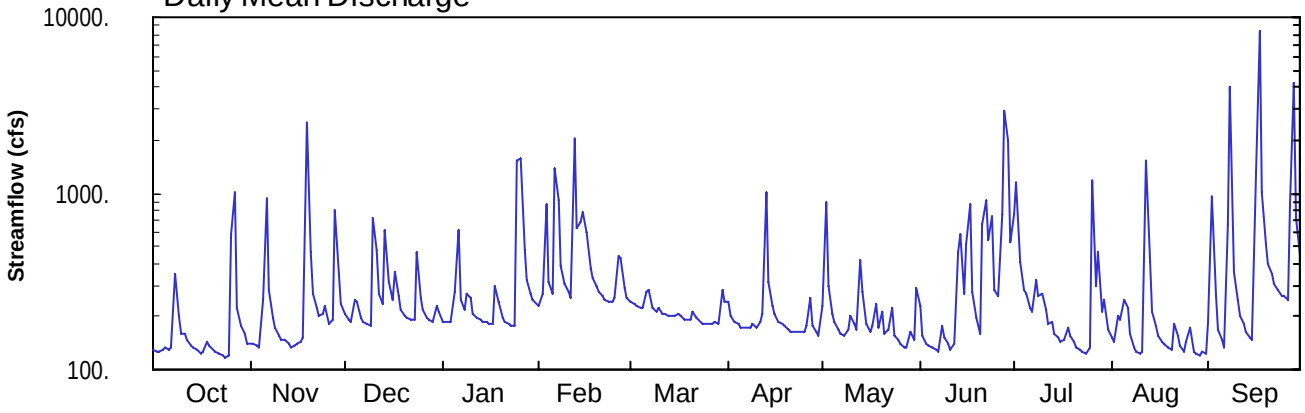
ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA

Latitude: 33°37'47" Longitude: 084°07'43" Hydrologic Unit Code: 03070103

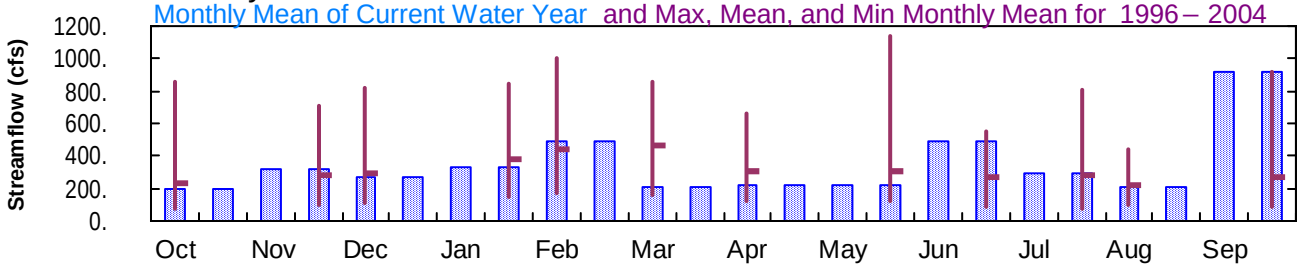
De kalb County Datum: 660.90 feet Drainage Area: 182. mi²

Daily Mean Discharge

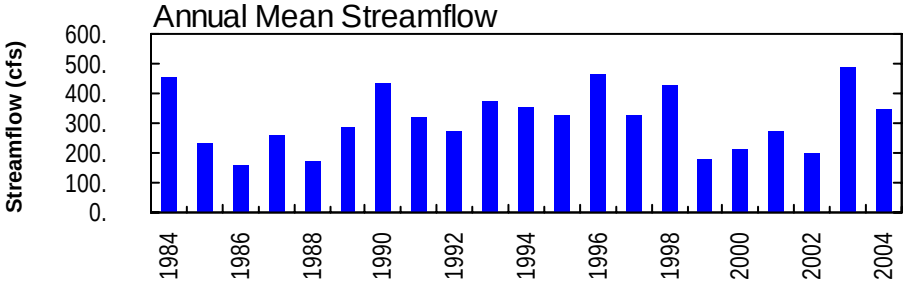


Monthly Statistics

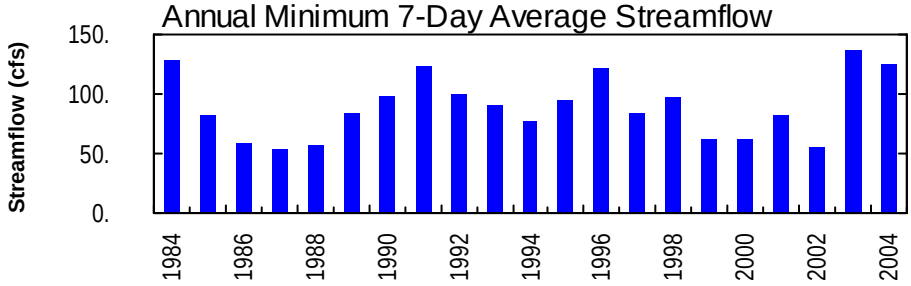
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1996 – 2004



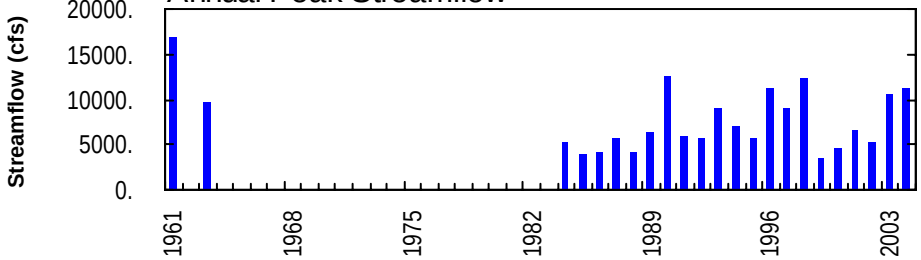
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°37'47", long 84°07'43", referenced to North American Datum (NAD) of 1927, Dekalb-Rockdale County line, Hydrologic Unit 03070103, at downstream end of pier of bridge on Klondike Road, 1.1 miles south of GA 212, 1.2 miles downstream from Pole Bridge Creek, 5.8 miles southwest of Lithonia, and 8.6 miles downstream from Snapfinger Creek.

DRAINAGE AREA.—182 square miles.

COOPERATION.—Georgia Environmental Protection Division.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 29, 1983 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 660.90 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels from Dekalb County benchmark).

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

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of April 30, 1963 reached a stage of 11.80 feet, discharge 9,630 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 4,000 cfs and the maximum (*).

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	1345	4,780	9.33
02/06	2015	4,080	8.95
02/12	1345	4,340	9.10
06/28	0215	5,210	9.60
06/29	0500	4,240	9.04
09/17	1100	11,300*	12.54*
09/28	0500	5,440	9.72

02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 29, 1983 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 660.90 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels from Dekalb County benchmark).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.54 feet, September 17; minimum gage-height recorded, 5.02 feet, September 1.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 5, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182* DATUM 660.90 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	139	205	188	227	243	245	232	230	758	151	188
2	128	139	192	185	267	236	201	887	156	1150	144	965
3	127	136	185	185	872	229	185	301	142	409	204	259
4	130	134	250	184	318	226	182	208	138	285	e190	167
5	132	245	245	274	267	222	173	186	133	272	e248	147
6	130	941	195	619	1400	279	171	169	129	226	226	134
7	134	282	185	251	914	282	172	161	127	213	159	e676
8	344	196	180	220	382	224	173	158	178	325	134	e3990
9	201	173	176	271	308	212	182	168	152	264	127	361
10	160	154	719	253	277	225	172	202	141	269	125	247
11	158	147	471	206	257	208	185	181	131	219	126	201
12	148	148	266	198	2030	205	207	167	139	180	1550	180
13	137	142	234	192	640	201	1010	423	465	188	411	162
14	134	133	612	188	689	203	314	278	584	161	214	151
15	131	138	315	188	790	203	231	181	269	152	175	149
16	124	139	246	183	606	208	208	164	516	146	157	1320
17	125	144	359	184	382	202	188	178	863	146	146	8380
18	145	150	261	301	327	192	181	235	273	174	139	1000
19	135	2500	217	240	296	194	177	171	194	155	134	515
20	129	469	202	196	277	193	169	215	162	145	130	402
21	127	271	196	185	263	214	166	159	671	134	184	349
22	123	222	193	182	249	196	164	170	922	131	157	305
23	119	199	193	178	242	187	163	224	543	128	138	280
24	118	207	460	177	244	184	163	157	740	124	128	265
25	120	231	258	1530	255	184	164	146	287	133	143	259
26	588	183	219	1590	444	184	175	140	264	1180	174	250
27	1020	192	199	474	425	184	253	134	768	298	126	846
28	226	801	192	323	294	185	176	134	2950	466	123	4280
29	179	345	189	269	253	183	164	164	2010	211	121	717
30	158	239	232	247	---	283	157	149	528	249	128	452
31	142	---	212	234	---	245	---	289	---	170	123	---
TOTAL	5901	9539	8258	10095	14195	6616	6471	6731	14805	9061	6435	27597
MEAN	190	318	266	326	489	213	216	217	494	292	208	920
MAX	1020	2500	719	1590	2030	283	1010	887	2950	1180	1550	8380
MIN	118	133	176	177	227	183	157	134	127	124	121	134
CFSM	1.05	1.75	1.46	1.79	2.69	1.17	1.19	1.19	2.71	1.61	1.14	5.05
IN.	1.21	1.95	1.69	2.06	2.90	1.35	1.32	1.38	3.03	1.85	1.32	5.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	234	285	296	384	444	467	308	301	272	286	215	269
MAX	852	712	817	840	1010	852	666	1133	550	804	447	920
(WY)	1996	1993	1984	1990	1990	1990	1998	2003	2003	1994	1984	2004
MIN	68.0	97.5	112	144	170	165	127	124	84.4	77.9	92.7	82.9
(WY)	1988	2002	1989	1986	1986	1988	1986	1988	1988	1988	2002	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	164605		125704			
ANNUAL MEAN	451		343		313	
HIGHEST ANNUAL MEAN					488	2003
LOWEST ANNUAL MEAN					159	1986
HIGHEST DAILY MEAN	8330	May 6	8380	Sep 17	9870	Mar 17 1990
LOWEST DAILY MEAN	118	Oct 24	118	Oct 24	48	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	124	Oct 19	124	Oct 19	53	Sep 23 1987
MAXIMUM PEAK FLOW			11300	Sep 17	12500	Mar 17 1990
MAXIMUM PEAK STAGE			12.54	Sep 17	13.03	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.48		1.89		1.72	
ANNUAL RUNOFF (INCHES)	33.64		25.69		23.36	
10 PERCENT EXCEEDS	676		625		541	
50 PERCENT EXCEEDS	240		198		182	
90 PERCENT EXCEEDS	144		134		97	

e Estimated

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182* DATUM 660.90 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.15	5.19	5.34	5.30	5.40	5.44	5.44	5.40	5.39	6.22	5.19	5.19
2	5.15	5.19	5.31	5.29	5.46	5.42	5.33	6.33	5.20	6.65	5.16	6.45
3	5.15	5.18	5.29	5.29	6.32	5.40	5.29	5.55	5.16	5.74	5.33	5.46
4	5.16	5.17	5.44	5.29	5.59	5.39	5.28	5.35	5.14	5.52	---	5.24
5	5.16	5.35	5.43	5.44	5.49	5.38	5.25	5.29	5.13	5.50	---	5.17
6	5.16	6.30	5.32	6.01	6.59	5.50	5.25	5.24	5.11	5.39	---	5.13
7	5.17	5.52	5.29	5.45	6.37	5.51	5.25	5.22	5.11	5.36	5.21	---
8	5.56	5.34	5.28	5.38	5.70	5.39	5.25	5.21	5.27	5.57	5.13	---
9	5.35	5.29	5.26	5.49	5.57	5.36	5.28	5.23	5.19	5.44	5.11	5.66
10	5.25	5.23	6.05	5.45	5.51	5.39	5.25	5.33	5.15	5.48	5.10	5.44
11	5.24	5.21	5.83	5.35	5.47	5.35	5.29	5.28	5.12	5.38	5.10	5.34
12	5.21	5.21	5.48	5.33	7.28	5.35	5.35	5.24	5.14	5.27	6.76	5.27
13	5.18	5.20	5.41	5.31	6.08	5.33	6.47	5.76	5.79	5.29	5.73	5.22
14	5.17	5.17	6.03	5.30	6.14	5.34	5.57	5.50	6.00	5.22	5.37	5.18
15	5.16	5.18	5.58	5.29	6.27	5.34	5.41	5.28	5.48	5.19	5.26	5.18
16	5.14	5.18	5.44	5.28	6.03	5.35	5.35	5.23	5.88	5.17	5.21	6.24
17	5.14	5.20	5.65	5.28	5.70	5.34	5.30	5.27	6.33	5.17	5.17	11.19
18	5.20	5.22	5.47	5.54	5.61	5.31	5.28	5.41	5.49	5.25	5.15	6.50
19	5.17	7.60	5.37	5.42	5.55	5.32	5.26	5.25	5.31	5.20	5.13	5.91
20	5.15	5.83	5.34	5.32	5.51	5.31	5.24	5.36	5.22	5.17	5.12	5.73
21	5.15	5.49	5.32	5.29	5.48	5.36	5.23	5.21	5.84	5.13	5.28	5.64
22	5.13	5.38	5.31	5.28	5.45	5.32	5.23	5.24	6.33	5.12	5.21	5.56
23	5.12	5.33	5.31	5.27	5.43	5.29	5.23	5.38	5.94	5.11	5.15	5.51
24	5.12	5.35	5.80	5.27	5.44	5.28	5.23	5.21	6.17	5.10	5.11	5.48
25	5.12	5.40	5.47	6.73	5.46	5.28	5.23	5.17	5.52	5.12	5.15	5.47
26	5.69	5.28	5.38	7.01	5.79	5.28	5.26	5.15	5.48	6.62	5.25	5.45
27	6.36	5.30	5.33	5.85	5.77	5.28	5.45	5.13	5.94	5.54	5.10	6.08
28	5.41	6.29	5.31	5.60	5.54	5.29	5.26	5.13	8.05	5.80	5.09	9.02
29	5.30	5.63	5.30	5.49	5.46	5.28	5.23	5.23	7.33	5.36	5.08	6.18
30	5.24	5.42	5.40	5.45	---	5.49	5.21	5.18	5.89	5.44	5.11	5.81
31	5.20	---	5.36	5.41	---	5.43	---	5.45	---	5.24	5.09	---
MEAN	5.25	5.45	5.45	5.50	5.77	5.36	5.33	5.33	5.67	5.44	---	---
MAX	6.36	7.60	6.05	7.01	7.28	5.51	6.47	6.33	8.05	6.65	---	---
MIN	5.12	5.17	5.26	5.27	5.40	5.28	5.21	5.13	5.11	5.10	---	---

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182* DATUM 660.90 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.84	0.00	0.17
2	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.52	0.00	0.05	0.00	0.90
3	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.01	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
5	0.00	1.32	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
6	0.05	0.06	0.00	0.00	1.15	0.22	0.00	0.00	0.00	0.06	---	0.42
7	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.26	0.00	---
8	0.09	0.00	0.00	0.06	0.00	0.00	0.07	0.00	0.25	0.01	0.00	---
9	0.00	0.00	0.00	0.21	0.00	0.05	0.00	0.09	0.48	0.00	0.00	0.00
10	0.01	0.00	0.88	0.01	0.00	0.00	0.00	0.01	0.00	0.22	0.06	0.00
11	0.00	0.00	0.00	0.00	0.19	0.00	0.11	0.00	0.00	0.01	0.00	0.00
12	0.00	0.00	0.00	0.00	1.20	0.00	0.32	0.96	2.38	0.00	1.59	0.00
13	0.00	0.00	0.32	0.00	0.00	0.00	0.36	0.04	0.91	0.00	0.00	0.00
14	0.04	---	0.29	0.00	0.52	0.00	0.01	0.01	1.31	0.00	0.00	0.00
15	0.00	---	0.00	0.00	0.29	0.00	0.00	0.00	0.22	0.00	0.00	0.00
16	0.00	---	0.16	0.00	0.00	0.05	0.00	0.00	1.84	0.00	0.00	3.05
17	0.05	---	0.16	0.31	0.01	0.00	0.00	0.00	0.01	0.01	0.29	0.22
18	0.00	0.38	0.00	0.14	0.00	0.00	0.00	0.02	0.14	0.00	0.00	0.00
19	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.03	0.00
21	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.00	0.70	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	1.04	0.00	0.00	0.00
23	0.00	0.00	0.38	0.00	0.00	0.00	0.01	0.00	0.33	0.00	0.00	0.00
24	0.00	0.17	0.00	0.00	0.11	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	2.05	---	0.00	0.00	0.00	0.59	1.88	0.00	0.00
26	2.34	0.00	0.00	0.11	---	0.00	0.23	0.00	0.00	0.18	0.00	0.00
27	0.00	0.55	0.00	0.00	---	0.00	0.00	0.00	1.08	0.30	0.00	2.59
28	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.05	1.46	0.00	0.00	0.00
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.00
30	0.00	0.00	0.06	0.00	---	0.30	0.27	0.00	0.41	0.00	0.11	0.00
31	0.00	---	0.00	0.00	---	0.13	---	0.46	---	0.00	0.00	---
TOTAL	2.64	---	2.68	3.51	---	0.84	1.38	2.91	13.66	3.83	---	---

ALTAMAHA RIVER BASIN
2004 Water Year

02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°37'47", long 84°07'43", referenced to North American Datum (NAD) of 1927, DeKalb-Rockdale County line, Hydrologic Unit 03070103, at downstream end of bridge pier on Klondike Road, 1.1 miles south of GA 212, 1.2 miles downstream from Pole Bridge Creek, 5.8 miles southwest of Lithonia, and 8.6 miles downstream from Snapfinger Creek.

DRAINAGE AREA.—182 square miles.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—July 1975 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: December 1999 to current year.
pH: March 2001 to current year.
WATER TEMPERATURE: November 1983 to current year.
DISSOLVED OXYGEN: November 1983 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for dissolved oxygen, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 496 microsiemens, August 16, 2002; minimum recorded, 29 microsiemens, December 24, 2002.
pH: Maximum recorded, 8.3 units, July 25, 2004; minimum recorded, 6.3 units, September 17, 2004.
WATER TEMPERATURE: Maximum recorded, 30.5 °C, July 25, 1995; minimum recorded, 0.5 °C, January 21, 1985.
DISSOLVED OXYGEN: Maximum recorded, 13.2 mg/L, January 8, 1988; minimum recorded, 0.1 mg/L, March 30, 2002.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 346 microsiemens, June 7; minimum recorded, 40 microsiemens, September 17.
pH: Maximum recorded, 8.3 units, July 25; minimum recorded, 6.3 units, September 17.
WATER TEMPERATURE: Maximum recorded, 27.9 °C, July 25, August 2; minimum recorded, 5.0 °C, February 3.
DISSOLVED OXYGEN: Maximum recorded, 12.6 mg/L, February 3; minimum recorded, 5.4 mg/L, June 13, September 5.

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	268	242	253	269	242	259	223	192	211	245	213	232
2	269	246	261	289	247	268	226	198	214	241	220	232
3	283	258	269	279	256	267	245	217	233	240	218	229
4	289	260	276	276	250	263	235	193	222	243	219	235
5	298	264	283	271	191	255	209	185	195	240	198	231
6	305	266	291	205	74	103	242	195	222	198	108	123
7	304	263	277	181	135	165	262	217	245	198	146	178
8	276	131	215	234	171	212	267	228	253	210	189	203
9	221	145	181	262	216	246	255	227	240	216	---	---
10	254	213	237	274	236	259	250	93	185	200	177	189
11	265	235	251	263	241	251	159	96	122	230	192	217
12	282	238	266	268	243	255	197	159	182	242	213	230
13	289	256	275	276	253	263	219	194	208	228	213	224
14	286	258	269	---	---	---	203	118	152	242	216	231
15	281	255	270	---	---	---	174	132	160	241	226	236
16	285	265	276	---	---	---	199	160	185	248	---	---
17	285	261	275	---	---	---	206	142	181	249	223	240
18	285	261	277	---	---	---	195	156	179	238	155	208
19	284	226	257	---	---	---	210	183	200	203	165	192
20	287	254	271	---	---	---	221	196	209	237	192	221
21	281	252	266	---	---	---	231	202	220	229	210	222
22	282	271	278	---	---	---	237	210	227	239	207	227
23	285	267	277	---	---	---	236	215	229	241	212	230
24	296	267	288	---	---	---	226	132	171	245	218	235
25	303	272	288	---	---	---	197	148	175	239	74	164
26	303	86	255	249	---	---	211	184	202	115	75	89
27	139	80	97	262	225	244	221	196	212	151	115	133
28	192	139	166	235	100	126	228	208	221	171	151	164
29	230	188	215	170	118	153	234	216	226	183	166	174
30	251	210	235	200	170	193	228	191	220	202	167	192
31	267	239	256	---	---	---	225	188	209	213	182	203
MONTH	305	80	253	---	---	---	267	93	204	249	---	---

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	230	190	217	209	182	200	220	180	199	266	203	241
2	230	171	215	209	179	200	225	180	213	206	72	128
3	188	84	106	206	179	200	231	208	222	176	120	155
4	174	131	159	214	196	206	242	202	227	219	162	196
5	199	166	188	217	195	208	247	218	236	249	215	233
6	201	60	151	215	192	204	241	218	231	258	230	250
7	141	64	97	194	173	184	242	221	233	273	244	258
8	155	141	147	215	---	---	242	222	232	284	256	271
9	179	151	174	211	---	---	242	217	232	282	234	269
10	186	178	183	213	184	204	250	213	237	249	171	222
11	194	180	186	220	184	208	247	221	237	267	228	248
12	186	54	105	220	202	213	234	202	215	265	219	249
13	134	77	106	227	199	215	211	81	126	258	106	152
14	145	110	132	240	198	227	163	114	136	193	113	167
15	123	99	115	247	208	228	200	163	188	244	193	223
16	141	99	116	221	202	215	222	199	217	263	233	251
17	162	141	151	222	200	215	235	215	228	278	241	259
18	182	160	167	230	212	222	248	217	237	254	193	222
19	191	172	183	228	209	221	250	217	238	258	193	231
20	188	174	184	226	212	221	240	223	235	263	190	222
21	187	178	184	230	205	220	248	227	237	254	206	233
22	205	180	196	223	---	---	250	232	244	283	227	262
23	213	189	203	239	---	---	258	237	248	253	199	216
24	210	179	197	237	---	---	265	246	255	265	199	235
25	198	179	190	229	---	---	267	230	255	277	259	270
26	---	---	---	230	217	224	263	232	251	289	260	274
27	171	---	---	240	217	231	249	179	206	296	271	283
28	194	171	183	244	208	233	263	200	239	302	283	295
29	209	182	199	246	212	233	277	250	267	312	247	293
30	---	---	---	230	167	216	275	260	268	296	239	269
31	---	---	---	203	166	182	---	---	---	299	150	263
MONTH	---	---	---	247	---	---	277	81	226	312	72	237

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	202	149	176	132	61	103	226	188	207	309	211	293
2	266	196	235	134	79	98	233	215	224	211	74	100
3	292	250	269	171	115	147	240	180	211	187	106	150
4	305	272	291	181	171	177	---	---	---	245	174	216
5	326	293	308	204	177	187	---	---	---	277	221	253
6	335	296	319	227	178	208	---	---	---	296	244	271
7	346	---	---	211	189	199	255	162	218	---	---	---
8	338	210	293	200	115	152	292	237	265	---	---	---
9	287	207	255	227	177	206	308	266	289	164	114	140
10	302	279	289	199	146	165	306	272	288	190	164	177
11	311	266	288	232	184	209	298	275	289	210	183	198
12	332	271	313	239	199	223	301	53	162	246	193	227
13	280	78	189	235	220	228	137	74	105	---	222	---
14	144	78	108	252	218	235	203	137	178	---	---	---
15	195	144	174	262	232	248	239	197	222	288	250	269
16	236	99	143	276	238	259	257	228	244	287	43	216
17	145	64	94	285	252	270	266	249	257	71	40	51
18	178	137	155	293	242	273	---	244	---	138	71	106
19	237	176	211	270	206	239	---	253	---	162	138	150
20	264	228	249	273	250	263	312	275	293	201	162	185
21	280	66	225	292	247	269	302	189	264	215	195	206
22	132	66	98	298	276	288	265	189	247	231	205	217
23	143	115	124	299	270	289	302	---	---	240	206	224
24	145	77	105	300	270	289	300	264	283	245	220	231
25	182	141	167	312	267	295	301	271	287	248	224	238
26	207	170	196	267	64	108	283	156	215	277	233	256
27	234	50	195	166	101	128	291	228	255	270	66	218
28	84	48	64	171	85	122	308	272	291	83	54	63
29	108	50	74	172	119	152	323	279	305	149	83	122
30	153	105	132	188	126	152	321	279	306	182	149	165
31	---	---	---	203	139	179	314	270	284	---	---	---
MONTH	346	---	---	312	61	205	---	---	---	---	---	---

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.5	7.4	7.5	7.0	7.0	7.0	7.4	7.3	7.3	7.5	7.5	7.5
2	7.5	7.4	7.4	7.0	7.0	7.0	7.4	7.4	7.4	7.5	7.5	7.5
3	7.5	7.4	7.4	7.1	7.0	7.0	7.4	7.4	7.4	7.5	7.5	7.5
4	7.4	7.3	7.4	7.1	7.0	7.1	7.5	7.4	7.4	7.5	7.5	7.5
5	7.5	7.3	7.4	7.1	7.0	7.0	7.5	7.3	7.4	7.5	7.5	7.5
6	7.5	7.3	7.4	7.0	6.6	6.7	7.4	7.3	7.4	7.5	7.2	7.3
7	7.4	7.3	7.4	7.0	6.9	7.0	7.5	7.4	7.4	7.5	7.4	7.5
8	7.4	7.1	7.3	7.0	7.0	7.0	7.5	7.4	7.4	7.5	7.5	7.5
9	7.2	7.1	7.1	7.1	7.0	7.1	7.5	7.4	7.4	7.5	7.5	7.5
10	7.2	7.2	7.2	7.2	7.1	7.2	7.4	7.1	7.4	7.5	7.5	7.5
11	7.2	7.2	7.2	7.2	7.1	7.2	7.3	7.1	7.2	7.5	7.5	7.5
12	7.2	7.2	7.2	7.2	7.1	7.2	7.4	7.3	7.3	7.6	7.5	7.5
13	7.3	7.2	7.2	7.2	7.1	7.2	7.4	7.3	7.4	7.5	7.5	7.5
14	7.3	7.2	7.2	---	---	---	7.4	7.2	7.3	7.6	7.5	7.5
15	7.3	7.2	7.3	---	---	---	7.3	7.2	7.3	7.6	7.5	7.6
16	7.3	7.2	7.3	---	---	---	7.3	7.3	7.3	7.6	7.4	7.5
17	7.2	7.1	7.2	---	---	---	7.4	7.3	7.3	7.5	7.4	7.4
18	7.3	7.1	7.2	---	---	---	7.3	7.3	7.3	7.5	7.4	7.4
19	7.2	7.1	7.2	---	---	---	7.4	7.3	7.3	7.4	7.4	7.4
20	7.3	7.1	7.2	---	---	---	7.4	7.4	7.4	7.4	7.4	7.4
21	7.3	7.1	7.2	---	---	---	7.5	7.4	7.4	7.5	7.4	7.4
22	7.2	7.1	7.2	---	---	---	7.5	7.4	7.4	7.5	7.4	7.4
23	7.3	7.1	7.2	---	---	---	7.5	7.4	7.4	7.4	7.4	7.4
24	7.4	7.1	7.3	---	---	---	7.5	7.3	7.3	7.4	7.4	7.4
25	7.4	7.2	7.3	---	---	---	7.4	7.3	7.4	7.4	6.9	7.3
26	7.3	6.6	7.2	7.4	7.4	7.4	7.5	7.4	7.4	7.1	6.9	7.0
27	6.9	6.6	6.7	7.4	7.4	7.4	7.5	7.4	7.4	7.3	7.1	7.2
28	7.0	6.9	7.0	7.5	7.1	7.2	7.5	7.4	7.5	7.3	7.3	7.3
29	7.1	7.0	7.0	7.3	7.3	7.3	7.5	7.4	7.5	7.3	7.3	7.3
30	7.1	7.0	7.0	7.3	7.3	7.3	7.6	7.5	7.5	7.4	7.3	7.4
31	7.0	7.0	7.0	---	---	---	7.5	7.5	7.5	7.4	7.3	7.4
MAX	7.5	7.4	7.5	---	---	---	7.6	7.5	7.5	7.6	7.5	7.6
MIN	6.9	6.6	6.7	---	---	---	7.3	7.1	7.2	7.1	6.9	7.0

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.4	7.4	7.4	7.3	7.3	7.3	7.5	7.3	7.4	7.4	7.4	7.4
2	7.4	7.3	7.4	7.3	7.3	7.3	7.4	7.3	7.4	7.4	6.9	7.1
3	7.4	7.1	7.1	7.3	7.3	7.3	7.4	7.3	7.4	7.3	7.2	7.3
4	7.3	7.2	7.3	7.3	7.3	7.3	7.5	7.3	7.4	7.4	7.3	7.4
5	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	7.4	7.4	7.4	7.4
6	7.3	6.9	7.3	7.4	7.3	7.3	7.5	7.4	7.4	7.4	7.3	7.4
7	7.1	6.9	7.0	7.4	7.3	7.3	7.6	7.4	7.5	7.4	7.3	7.4
8	7.2	7.1	7.1	---	---	---	7.5	7.4	7.5	7.4	7.3	7.4
9	7.2	7.2	7.2	7.4	7.3	7.4	7.6	7.4	7.5	7.4	7.3	7.4
10	7.2	7.2	7.2	7.5	7.4	7.4	7.5	7.4	7.4	7.4	7.2	7.4
11	7.2	7.2	7.2	7.5	7.4	7.4	7.5	7.4	7.4	7.5	7.4	7.4
12	7.2	6.9	7.0	7.5	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.4
13	7.2	7.0	7.1	7.5	7.4	7.4	7.4	6.9	7.1	7.4	6.9	7.1
14	7.2	7.2	7.2	7.6	7.4	7.4	7.3	7.1	7.2	7.2	6.9	7.2
15	7.2	7.2	7.2	7.5	7.4	7.4	7.3	7.3	7.3	7.3	7.2	7.2
16	7.2	7.1	7.2	7.6	7.4	7.4	7.3	7.3	7.3	7.3	7.2	7.3
17	7.3	7.2	7.2	7.7	7.4	7.5	7.3	7.2	7.3	7.4	7.3	7.3
18	7.3	7.3	7.3	7.6	7.4	7.5	7.3	7.2	7.2	7.4	7.2	7.3
19	7.3	7.3	7.3	7.7	7.4	7.5	7.3	7.2	7.3	7.3	7.2	7.3
20	7.3	7.2	7.3	7.7	7.4	7.5	7.3	7.2	7.3	7.4	7.2	7.3
21	7.3	7.3	7.3	7.7	7.4	7.5	7.3	7.3	7.3	7.3	7.2	7.2
22	7.3	7.3	7.3	7.7	7.4	7.5	7.3	7.3	7.3	7.3	7.2	7.3
23	7.3	7.3	7.3	7.7	7.4	7.5	7.5	7.2	7.3	7.4	7.2	7.3
24	7.3	7.3	7.3	7.7	7.4	7.5	7.5	7.4	7.5	7.3	7.2	7.2
25	7.3	7.3	7.3	7.7	7.4	7.6	7.5	7.4	7.5	7.5	7.2	7.4
26	---	---	---	7.7	7.4	7.5	7.5	7.4	7.4	7.6	7.3	7.4
27	---	7.2	---	7.7	7.4	7.5	7.5	7.3	7.4	7.6	7.4	7.4
28	7.3	7.2	7.2	7.7	7.4	7.5	7.4	7.3	7.4	7.6	7.3	7.4
29	7.3	7.2	7.3	7.6	7.4	7.4	7.4	7.3	7.4	7.5	7.3	7.4
30	---	---	---	7.6	7.3	7.4	7.4	7.3	7.4	7.5	7.3	7.3
31	---	---	---	7.3	7.2	7.3	---	---	---	7.5	7.1	7.3
MAX	---	---	---	---	---	---	7.6	7.4	7.5	7.6	7.4	7.4
MIN	---	---	---	---	---	---	7.3	6.9	7.1	7.2	6.9	7.1

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.3	7.1	7.2	6.9	6.6	6.8	7.3	7.3	7.3	8.0	7.3	7.5
2	7.3	7.3	7.3	7.1	6.7	6.8	7.4	7.3	7.3	7.3	6.9	6.9
3	7.3	7.2	7.3	7.1	6.8	6.9	7.5	7.3	7.4	7.2	7.0	7.1
4	7.3	7.2	7.2	7.1	7.1	7.1	---	---	---	7.2	7.1	7.2
5	7.4	7.2	7.2	7.1	7.1	7.1	---	---	---	7.3	7.2	7.3
6	7.5	7.2	7.3	7.2	7.1	7.2	---	---	---	7.3	7.3	7.3
7	7.5	7.2	7.3	7.2	7.1	7.2	7.3	7.1	7.2	---	---	---
8	7.4	7.3	7.4	7.2	6.8	7.0	7.4	7.3	7.3	---	---	---
9	7.4	7.2	7.4	7.2	7.1	7.1	7.6	7.3	7.4	7.2	7.1	7.1
10	7.5	7.3	7.4	7.2	6.9	7.0	7.6	7.4	7.5	7.2	7.2	7.2
11	7.7	7.4	7.4	7.2	7.1	7.1	7.8	7.4	7.5	7.3	7.2	7.3
12	7.9	7.5	7.6	7.1	7.1	7.1	7.7	6.8	7.1	7.3	7.3	7.3
13	7.9	6.9	7.4	7.1	7.0	7.1	7.1	6.8	7.0	7.4	7.3	7.3
14	7.3	6.9	7.0	7.4	7.0	7.3	7.2	7.1	7.2	---	---	---
15	7.4	7.2	7.4	7.5	7.3	7.3	7.3	7.2	7.3	7.4	7.3	7.3
16	7.6	6.8	7.1	7.6	7.3	7.4	7.4	7.3	7.3	7.4	6.5	7.3
17	7.4	6.8	7.0	7.6	7.3	7.4	7.5	7.4	7.4	6.5	6.3	6.4
18	7.4	7.2	7.4	7.8	7.3	7.5	7.6	7.4	7.5	6.8	6.4	6.7
19	7.6	7.4	7.5	7.7	7.3	7.4	7.8	7.4	7.5	6.9	6.8	6.9
20	7.7	7.5	7.5	7.8	7.3	7.5	8.0	7.4	7.6	7.0	6.9	7.0
21	8.0	6.9	7.5	7.7	7.3	7.5	7.8	7.4	7.5	7.1	7.0	7.1
22	7.0	6.8	6.9	7.9	7.3	7.5	7.7	7.3	7.5	7.1	7.1	7.1
23	7.1	6.9	7.0	8.1	7.4	7.6	7.8	7.4	7.5	7.1	7.1	7.1
24	7.1	6.8	6.9	8.1	7.3	7.6	8.0	7.4	7.6	7.1	7.1	7.1
25	7.1	7.0	7.1	8.3	7.3	7.7	8.0	7.4	7.6	7.1	7.1	7.1
26	7.2	7.1	7.2	7.9	6.7	6.9	7.6	7.3	7.4	7.2	7.1	7.2
27	7.2	6.6	7.2	7.1	7.0	7.1	7.6	7.3	7.4	7.2	6.7	7.2
28	6.8	6.6	6.6	7.2	6.9	7.0	7.7	7.3	7.5	6.7	6.6	6.7
29	6.9	6.6	6.7	7.2	7.0	7.1	7.7	7.3	7.5	7.0	6.7	6.9
30	7.0	6.8	6.9	7.4	7.2	7.2	7.9	7.4	7.5	7.1	7.0	7.0
31	---	---	---	7.3	7.2	7.3	8.1	7.4	7.6	---	---	---
MAX	8.0	7.5	7.6	8.3	7.4	7.7	---	---	---	---	---	---
MIN	6.8	6.6	6.6	6.9	6.6	6.8	---	---	---	---	---	---

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.5	17.2	18.3	18.3	16.0	17.0	11.0	9.1	9.9	10.4	8.2	9.0
2	19.4	17.1	17.9	18.5	16.3	17.2	11.2	9.6	10.3	11.3	9.1	10.0
3	18.6	16.3	17.2	18.4	16.4	17.2	10.8	9.7	10.1	13.3	10.6	11.6
4	19.2	16.4	17.5	19.2	17.5	18.2	9.9	8.7	9.4	14.4	12.6	13.3
5	20.2	17.4	18.5	20.6	18.9	19.5	9.4	8.5	8.9	14.9	13.9	14.3
6	20.2	18.7	19.5	21.0	20.3	20.7	10.2	8.9	9.3	14.2	10.0	12.0
7	20.4	19.3	19.8	20.7	19.9	20.4	10.0	8.5	9.1	10.0	7.2	8.4
8	20.4	19.4	19.8	19.9	18.2	18.9	9.9	8.2	8.9	7.2	6.2	6.7
9	20.5	19.2	19.7	18.2	17.1	17.5	10.5	8.4	9.2	7.9	6.8	7.3
10	21.0	19.8	20.3	17.1	15.2	15.8	11.6	10.1	10.7	7.9	7.1	9.4
11	20.8	19.8	20.0	16.0	14.2	15.0	10.9	9.3	10.1	7.9	6.4	7.0
12	21.1	19.5	20.1	17.4	14.7	15.8	9.7	8.4	9.1	8.3	6.3	7.1
13	21.3	19.3	20.1	17.4	15.3	16.3	9.5	8.6	9.0	9.5	7.3	8.2
14	21.3	20.3	20.8	---	---	---	9.0	7.7	8.2	10.8	8.4	9.3
15	20.8	18.3	19.1	---	---	---	9.2	7.9	8.4	11.2	10.3	10.7
16	19.0	16.4	17.3	---	---	---	10.0	8.0	8.8	10.7	---	---
17	18.1	15.7	16.5	---	---	---	10.2	9.0	9.8	9.8	8.5	9.0
18	17.9	15.5	16.5	---	---	---	9.1	7.9	8.6	10.7	9.1	9.9
19	18.2	15.5	16.6	---	---	---	9.3	8.3	8.7	10.5	9.3	10.1
20	18.6	16.0	17.1	---	---	---	8.6	7.4	7.9	9.3	7.6	8.3
21	19.2	16.5	17.6	---	---	---	7.9	6.4	7.0	8.4	6.6	7.5
22	19.2	17.6	18.3	---	---	---	8.4	6.4	7.1	8.7	6.7	7.6
23	19.0	16.9	17.7	---	---	---	9.8	7.3	8.1	8.5	7.1	7.8
24	18.5	16.6	17.5	---	---	---	10.3	9.4	10	9.6	6.7	7.8
25	18.6	16.6	17.5	---	---	---	9.8	8.2	8.9	9.8	8.1	9.2
26	18.6	17.5	18.0	---	---	---	8.7	7.4	7.9	8.1	6.7	7.0
27	18.3	17.7	18.1	13.8	12.0	12.7	9.1	7.2	7.9	8.2	7.0	7.5
28	17.7	15.9	16.6	13.9	12.7	13.4	9.2	7.5	8.2	7.7	6.5	7.1
29	16.8	15.2	15.9	12.7	10.0	11.2	10.3	8.1	9.0	7.1	5.6	6.3
30	17.1	15.0	15.9	10.3	8.9	9.6	11.3	9.9	10.6	8.5	6.3	7.3
31	17.7	15.5	16.4	---	---	---	10.0	8.7	9.3	9.0	7.5	8.1
MONTH	21.3	15.0	18.1	---	---	---	11.6	6.4	9.0	14.9	---	---

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.0	7.3	8.0	13.4	10.2	11.4	15.4	13.5	14.3	20.7	18.8	19.5
2	8.4	7.1	7.9	15.4	12.9	14.1	15.8	12.9	14.1	19.9	19.2	19.5
3	7.1	5.0	6.1	16.9	14.8	15.7	17.2	13.7	15.2	19.3	17.5	18.4
4	8.4	6.9	7.5	17.3	15.8	16.4	16.9	14.6	15.7	18.6	15.6	17.0
5	8.3	7.8	8.1	17.1	16.1	16.6	16.8	13.9	15.3	19.8	15.8	17.5
6	8.4	7.7	8.1	18.2	16.8	17.3	17.5	14.1	15.6	21.6	17.6	19.3
7	8.1	7.5	7.9	17.3	15.7	16.6	17.6	14.8	16.2	22.6	18.9	20.5
8	7.9	6.4	7.2	---	---	---	18.3	15.9	16.9	23.3	19.6	21.2
9	8.3	7.2	7.7	---	---	---	19.2	16.2	17.5	23.1	20.5	21.7
10	9.3	7.9	8.5	13.2	11.1	12.2	18.6	16.0	17.3	22.7	20.6	21.7
11	10.2	9.2	9.7	13.6	10.8	12.1	18.1	16.6	17.3	22.5	20.6	21.5
12	10.0	7.4	8.4	14.4	11.7	12.8	18.5	17.1	17.6	22.4	20.7	21.5
13	9.7	7.7	8.7	14.5	12.0	13.1	18.2	14.5	15.9	22.2	21.0	21.5
14	9.9	9.5	9.8	15.4	12.7	13.8	15.0	13.1	14.1	22.3	20.8	21.5
15	10.1	9.5	9.7	16.3	14.6	15.3	16.8	13.1	14.7	23.2	20.6	21.7
16	9.5	8.6	9.0	17.3	15.6	16.3	18.2	14.6	16.2	23.1	21.0	22.0
17	9.3	8.7	9.0	16.7	15.0	15.8	19.4	15.7	17.3	23.2	21.4	22.3
18	10.2	8.2	9.1	15.8	13.8	14.6	20.4	16.8	18.4	22.8	21.3	22.1
19	10.7	8.6	9.6	17.1	13.6	15.1	21.1	17.7	19.2	23.3	21.3	22.2
20	10.6	9.2	10.0	17.8	15.0	16.1	21.1	18.4	19.7	24.2	21.4	22.6
21	12.9	10.6	11.6	17.8	16.5	17.0	20.7	18.7	19.6	25.3	22.2	23.5
22	12.4	10.6	11.5	15.1	---	---	21.3	18.0	19.4	25.1	23.0	23.8
23	11.6	10.5	10.8	14.2	---	---	21.7	18.7	20.1	25.0	22.1	23.4
24	11.4	10.8	11.0	14.9	---	---	22.1	19.1	20.4	24.5	22.2	23.2
25	11.4	10.4	11.1	16.7	---	---	22.5	19.6	20.9	25.1	22.8	24.0
26	---	---	---	18.2	14.7	16.2	22.3	19.3	20.4	25.9	23.3	24.4
27	7.9	---	---	18.7	16.0	17.2	19.6	17.5	18.5	25.8	23.4	24.5
28	10.3	7.4	8.6	19.6	16.4	17.8	19.6	16.5	17.9	25.6	23.3	24.2
29	11.1	8.7	9.7	19.1	17.4	18.0	19.8	16.7	18.0	24.8	23.0	23.6
30	---	---	---	19.1	16.9	17.8	19.7	18.3	18.9	25.1	22.7	23.6
31	---	---	---	17.4	15.4	16.5	---	---	---	25.1	22.4	23.7
MONTH	---	---	---	---	---	---	22.5	12.9	17.4	25.9	15.6	21.8

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.0	21.6	22.2	23.7	22.5	23.0	27.5	25.3	26.3	26.3	24.5	25.2
2	23.3	21.2	22.1	23.8	22.7	23.3	27.9	25.6	26.6	24.5	23.0	23.4
3	23.6	21.3	22.3	24.9	23.2	23.9	27.7	24.8	26.4	24.4	23.1	23.6
4	24.8	21.9	23.1	25.8	23.5	24.5	---	---	---	24.5	22.9	23.6
5	24.7	22.0	23.1	26.9	24.0	25.2	---	---	---	24.8	22.9	23.7
6	24.6	22.4	23.4	26.6	24.6	25.6	---	---	---	24.7	23.2	23.7
7	24.6	22.5	23.3	26.7	24.2	25.3	25.7	23.4	24.4	---	---	---
8	23.5	21.9	22.5	26.7	23.5	24.9	25.0	22.3	23.5	---	---	---
9	23.5	22.1	22.7	26.4	24.4	25.3	24.7	22.2	23.3	24.0	22.1	23.0
10	26.0	22.6	23.8	26.4	24.6	25.3	24.6	22.5	23.1	24.6	22.6	23.5
11	26.5	23.8	24.9	27.3	24.5	25.8	24.1	21.9	22.7	24.5	22.8	23.6
12	26.8	24.4	25.5	26.8	25.0	25.9	24.1	22.1	23.0	24.5	22.8	23.5
13	26.4	23.1	24.2	27.6	24.6	25.9	23.8	22.1	22.8	24.2	---	---
14	24.1	23.6	23.8	27.8	25.3	26.6	23.8	21.4	22.5	---	---	---
15	25.1	23.8	24.3	27.5	25.2	26.3	24.3	21.8	22.8	23.4	21.9	22.3
16	25.8	23.8	24.6	27.0	24.2	25.2	24.9	22.9	23.8	23.0	22.0	22.3
17	26.0	24.2	24.9	25.9	24.0	24.7	25.2	23.0	24.0	23.0	22.4	22.8
18	26.5	25.0	25.6	26.7	24.0	25.1	25.5	23.1	24.2	22.7	21.8	22.2
19	27.6	24.8	26.0	26.6	23.9	25.0	25.6	---	---	21.8	20.5	21.2
20	27.2	24.9	26.0	26.4	23.8	25.0	---	23.7	---	20.7	19.5	20.1
21	27.1	24.1	25.2	26.8	23.9	25.2	25.1	24.0	24.5	20.7	18.9	19.8
22	26.0	24.3	24.9	27.0	24.5	25.6	25.8	23.7	24.7	21.0	19.0	19.9
23	---	---	---	27.7	24.8	26.1	25.6	24.7	24.8	21.6	19.2	20.3
24	24.6	23.8	24.2	27.9	25.4	26.6	25.9	24.0	24.9	22.1	20.1	21.0
25	25.5	23.6	24.4	27.9	25.8	26.6	25.9	24.3	24.9	22.3	20.5	21.4
26	24.9	23.9	24.3	26.5	24.2	24.9	25.5	23.3	24.2	22.1	20.5	21.3
27	24.6	23.4	23.9	26.0	24.7	25.2	26.1	23.8	24.8	22.0	20.5	21.0
28	24.0	23.3	23.7	26.0	24.4	25.2	26.4	24.3	25.3	20.9	20.4	20.6
29	24.0	23.0	23.4	25.8	24.5	25.1	26.4	24.6	25.3	21.3	20.6	20.9
30	23.7	22.7	23.4	26.6	24.5	25.4	26.0	24.3	25.1	21.4	19.9	20.6
31	---	---	---	27.4	24.8	25.9	26.3	24.3	25.1	---	---	---
MONTH	---	---	---	27.9	22.5	25.3	---	---	---	---	---	---

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.3	8.5	8.8	8.7	8.1	8.4	10.9	10.6	10.8	---	---	---
2	9.6	8.5	8.9	8.7	8.1	8.4	10.8	10.5	10.7	---	---	---
3	9.9	8.6	9.1	8.8	8.1	8.4	10.8	10.6	10.7	---	---	---
4	9.9	8.5	9.1	8.5	7.8	8.1	11.4	10.8	11.0	---	---	---
5	10.1	8.4	9.1	8.2	7.4	7.8	11.4	11.0	11.2	---	---	---
6	9.9	8.4	9.1	8.2	7.6	7.7	11.1	10.7	10.9	---	---	---
7	9.4	8.3	8.8	8.1	7.7	7.9	11.2	10.8	11.0	---	---	---
8	9.0	8.2	8.5	8.2	7.8	7.9	11.2	10.8	11.0	---	---	---
9	8.4	8.1	8.2	8.6	8.2	8.4	11.2	10.6	11.0	---	---	---
10	8.2	7.7	8.0	9.1	8.5	8.8	10.7	10.0	10.3	---	---	---
11	8.5	7.7	8.0	9.3	8.9	9.1	10.6	10.0	10.3	---	---	---
12	8.3	7.5	8.0	9.2	8.8	9.0	10.9	10.6	10.8	---	---	---
13	8.3	6.1	7.6	8.8	8.1	8.6	10.8	10.5	10.7	---	---	---
14	8.0	6.4	7.4	---	---	---	11.3	10.7	11.1	---	---	---
15	8.0	6.5	7.2	---	---	---	11.0	10.5	10.8	---	---	---
16	9.8	7.6	8.4	---	---	---	10.8	10.3	10.6	---	10.8	---
17	9.6	8.0	8.8	---	---	---	10.5	10.0	10.2	11.2	10.8	10.9
18	10.1	8.3	9.2	---	---	---	10.8	10.4	10.7	10.9	10.4	10.7
19	10.0	7.5	9.0	---	---	---	10.8	10.3	10.6	10.6	10.1	10.4
20	---	---	---	---	---	---	11.2	10.7	11.0	11.2	10.5	10.9
21	---	---	---	---	---	---	11.5	11.2	11.4	11.8	11.1	11.5
22	---	---	---	---	---	---	11.5	11.0	11.3	11.8	11.4	11.6
23	---	---	---	---	---	---	11.2	7.4	9.9	11.7	11.2	11.4
24	---	---	---	---	---	---	10.4	9.7	10	11.8	11.1	11.5
25	9.6	8.1	8.7	---	---	---	10.3	9.1	10.0	11.2	10.6	10.9
26	8.8	7.7	8.1	---	9.8	---	10.4	9.9	10.3	11.7	11.2	11.6
27	8.0	7.7	7.8	9.9	9.4	9.7	10.4	9.9	10.2	11.5	11.2	11.4
28	8.5	8.0	8.3	9.7	9.3	9.5	10.1	9.8	10.1	11.7	11.2	11.5
29	8.6	8.4	8.5	10.7	9.7	10.2	---	---	---	12.0	11.7	11.9
30	8.8	8.3	8.6	11.1	10.7	10.9	---	---	---	11.9	11.2	11.5
31	8.7	8.3	8.5	---	---	---	---	---	---	11.3	11.0	11.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.5	11.2	11.3	10.9	10.1	10.6	9.8	8.6	9.2	8.4	7.6	8.0
2	11.8	11.2	11.3	10.1	9.5	9.8	9.9	8.7	9.2	8.1	7.1	7.8
3	12.6	11.6	12.2	9.6	9.2	9.4	9.5	8.2	8.8	8.4	7.9	8.1
4	11.6	11.4	11.5	9.5	9.0	9.2	9.7	7.8	8.5	8.9	8.4	8.6
5	11.4	10.8	11.2	9.5	8.9	9.1	---	---	---	8.7	7.8	8.5
6	11.6	11.0	11.3	9.4	8.8	9.1	---	---	---	---	---	---
7	11.4	11.3	11.3	9.5	8.8	9.1	---	---	---	---	---	---
8	11.9	11.4	11.7	---	---	---	9.3	8.3	8.8	---	---	---
9	11.8	11.3	11.5	---	---	---	9.6	8.2	8.8	---	---	---
10	11.3	11.0	11.2	10.9	---	---	9.6	8.2	8.8	---	---	---
11	11.0	10.3	10.8	11.1	10.0	10.5	9.1	8.2	8.6	8.5	7.5	7.9
12	12.0	10.7	11.4	11.0	9.8	10.3	8.7	8.1	8.4	8.3	7.4	7.7
13	11.7	11.0	11.4	11.2	9.7	10.4	8.8	7.1	8.3	7.8	7.1	7.4
14	11.2	10.1	10.9	11.2	9.6	10.3	9.5	7.5	9.0	7.7	7.3	7.5
15	11.2	10.8	11.0	10.7	9.0	9.7	9.4	7.4	8.6	7.7	7.3	7.5
16	11.3	11.2	11.2	10.6	8.7	9.5	8.9	6.4	7.8	7.7	7.0	7.3
17	11.3	11.1	11.2	11.2	8.7	9.7	8.8	8.2	8.5	7.8	6.8	7.3
18	11.4	11.1	11.3	11.1	9.0	10	8.6	7.5	8.3	7.6	6.8	7.1
19	11.2	10.6	11.0	11.7	9.2	10.2	8.5	7.5	8.0	---	---	---
20	10.9	10.6	10.8	11.5	8.8	10.1	---	---	---	---	---	---
21	10.2	10.1	10.4	11.0	8.4	9.6	---	---	---	---	---	---
22	10.5	10.1	10.3	11.6	8.8	10.3	---	---	---	---	---	---
23	10.6	10.3	10.4	12.2	9.6	11.0	---	---	---	---	---	---
24	10.5	10.3	10.4	12.2	9.9	11.1	8.8	7.8	8.2	---	---	---
25	10.5	10.2	10.3	---	---	---	8.8	7.7	8.2	---	---	---
26	---	---	---	11.5	7.8	9.9	8.0	7.4	7.7	8.3	6.7	7.4
27	12.0	11.6	11.9	11.0	8.4	9.5	8.3	7.9	8.2	8.6	6.6	7.4
28	11.7	11.2	11.5	10.9	8.2	9.3	8.9	7.9	8.3	8.5	6.6	7.4
29	11.2	10.9	11.0	10.3	7.9	8.8	8.6	7.7	8.1	8.1	6.7	7.3
30	---	---	---	10.0	8.0	8.7	8.4	7.5	7.9	8.3	6.7	7.3
31	---	---	---	8.8	7.8	8.3	---	---	---	7.9	6.4	6.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.1	6.6	6.9	7.7	7.0	7.3	---	---	---	9.7	6.4	7.8
2	7.3	6.4	7.0	7.6	6.7	7.0	---	---	---	7.1	6.0	6.7
3	---	---	---	6.7	6.0	6.5	---	---	---	7.0	5.8	6.7
4	---	---	---	6.6	6.1	6.3	---	---	---	7.1	6.5	6.8
5	---	---	---	6.7	6.2	6.4	---	---	---	7.1	5.4	6.6
6	---	---	---	6.5	6.1	6.3	---	---	---	7.9	6.1	7.0
7	---	---	---	6.6	6.3	6.5	7.3	5.5	6.4	---	---	---
8	7.7	6.6	7.1	6.7	6.2	6.5	8.2	7.0	7.5	---	---	---
9	7.7	6.7	7.1	7.1	6.4	6.7	9.3	7.1	7.9	7.6	7.0	7.5
10	8.0	6.4	7.1	7.0	6.0	6.7	9.0	7.5	8.1	7.5	7.3	7.4
11	8.4	6.1	7.0	7.2	6.6	6.9	10.5	7.7	8.8	7.7	7.2	7.4
12	8.8	5.9	7.0	7.2	6.5	6.9	9.6	7.4	7.8	7.8	7.4	7.6
13	7.5	5.4	6.8	7.6	6.6	7.0	8.1	6.7	7.9	7.7	7.4	7.5
14	6.9	6.0	6.6	---	---	---	8.4	7.9	8.1	---	---	---
15	6.8	6.4	6.6	8.5	6.8	7.5	8.5	8.0	8.2	7.8	7.4	7.6
16	7.1	6.3	6.7	9.0	6.9	7.8	8.7	7.9	8.2	7.7	6.9	7.5
17	7.1	6.5	6.7	8.9	6.8	7.8	9.1	7.9	8.4	6.9	5.9	6.4
18	6.7	5.9	6.2	9.4	6.9	7.8	---	---	---	7.3	6.0	7.1
19	6.2	5.6	6.0	---	---	---	---	---	---	7.5	7.1	7.4
20	6.4	5.7	6.0	9.6	6.6	7.9	---	---	---	7.5	7.2	7.4
21	7.0	5.8	6.3	9.5	6.5	7.9	---	---	---	7.7	7.3	7.5
22	6.7	6.0	6.3	9.8	6.1	7.8	---	---	---	7.6	7.3	7.5
23	7.2	6.7	6.9	---	---	---	---	---	---	7.9	7.4	7.7
24	7.2	6.4	6.9	---	---	---	9.9	6.6	8.0	7.5	7.0	7.2
25	7.1	6.9	7.0	---	---	---	9.9	6.7	8.2	7.4	6.1	6.7
26	7.1	6.9	7.0	---	---	---	8.0	7.0	7.3	7.3	6.6	7.0
27	7.3	6.5	7.0	---	---	---	9.0	6.8	7.6	8.1	6.5	7.1
28	7.4	6.6	6.9	---	---	---	9.2	6.7	7.8	8.0	7.4	7.8
29	7.6	7.2	7.3	---	---	---	9.4	6.5	7.8	7.9	7.6	7.7
30	7.5	7.2	7.3	---	---	---	9.7	6.6	7.9	7.8	7.5	7.7
31	---	---	---	---	---	---	10.4	6.8	8.2	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

ALTAMAHA RIVER BASIN
2004 Water Year

02204090 JACKSON CREEK NEAR CONYERS, GA

LOCATION.—Lat 33°35'41", long 84°05'50", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, upstream of bridge at Fairview Road, approximately 1.9 miles southeast of intersection of GA Highway 138 and GA Highway 212.

DRAINAGE AREA.—3.32 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—August 4, 2004 (invertebrates) and September 29, 2004 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 150 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Veneroida		
Corbiculidae		
Corbicula fluminea	1	6
Sphaeriidae		
Sphaerium sp.	2	
ANNELIDA		
Oligochaeta		
Haplotaxida		
Lumbricidae	1	
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Procambarus sp.	1	
Insecta		
Ephemeroptera		
Heptageniidae		
Stenonema modestum	2	
Odonata		
Aeshnidae		
Boyeria vinosa	3	
Gomphidae		
Progomphus obscurus	1	1
Hemiptera		
Gerridae		
Aquarius sp.		1
Coleoptera		
Dryopidae		
Dytiscidae	1	
Gyrinidae		
Dineutus sp.		3
Diptera		
Chironomidae		
Ablabesmyia mallochi	1	

02204090 JACKSON CREEK NEAR CONYERS, GA —continued.

	Abundance Multi-habitat Visual
Conchapelopia sp.	1
Polypedilum illinoense	2
Rheotanytarsus sp.	1
Xylotopus par	1
Tipulidae	
Hexatoma sp.	2

Fishes

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Esox niger	chain pickerel	1	125	9.0
Esox niger	chain pickerel	1	145	17.0
Esox niger	chain pickerel	1	145	16.0
Esox niger	chain pickerel	1	140	13.0
Gambusia sp.	undetermined	1	20	missing
Lepomis auritus	redbreast sunfish	1	104	20.0
Lepomis cyanellus	green sunfish	1	54	2.6
Lepomis cyanellus	green sunfish	1	33	0.7
Lepomis gulosus	warmouth	1	50	1.9
Lepomis macrochirus	bluegill	1	50	1.7
Lepomis macrochirus	bluegill	1	71	5.6
Lepomis macrochirus	bluegill	1	61	3.6
Lepomis macrochirus	bluegill	1	60	3.6
Lepomis macrochirus	bluegill	1	95	14.2
Lepomis macrochirus	bluegill	1	80	8.0
Lepomis macrochirus	bluegill	1	89	10.1
Lepomis macrochirus	bluegill	1	90	11.2
Lepomis macrochirus	bluegill	1	76	7.4
Lepomis macrochirus	bluegill	1	66	4.6
Lepomis macrochirus	bluegill	1	125	32.3
Lepomis macrochirus	bluegill	1	45	1.3
Lepomis macrochirus	bluegill	1	60	2.6
Lepomis macrochirus	bluegill	1	92	12.4
Lepomis macrochirus	bluegill	1	80	8.4
Lepomis macrochirus	bluegill	1	66	4.3
Lepomis macrochirus	bluegill	1	50	1.7
Lepomis macrochirus	bluegill	1	54	2.3
Lepomis macrochirus	bluegill	1	88	11.2
Lepomis macrochirus	bluegill	1	102	18.6
Lepomis macrochirus	bluegill	1	60	3.2
Lepomis macrochirus	bluegill	1	64	3.8
Lepomis macrochirus	bluegill	1	115	26.1
Lepomis macrochirus	bluegill	1	147	56.4
Lepomis macrochirus	bluegill	1	62	3.5
Lepomis macrochirus	bluegill	1	75	7.7
Lepomis macrochirus	bluegill	1	55	2.3
Lepomis macrochirus	bluegill	1	95	11.9
Lepomis macrochirus	bluegill	1	65	4.5
Lepomis macrochirus	bluegill	1	67	4.5
Lepomis macrochirus	bluegill	1	70	5.5
Lepomis macrochirus	bluegill	1	80	7.7
Lepomis macrochirus	bluegill	1	76	7.2
Lepomis macrochirus	bluegill	34	batch	215.4
Lepomis microlophus	redear	1	68	5.8
Lepomis microlophus	redear	1	50	1.8
Lepomis microlophus	redear sunfish	1	70	6.0
Lepomis microlophus	redear sunfish	1	72	5.7
Micropterus salmoides	largemouth bass	1	114	17.3
Nocomis leptocephalus	bluehead chub	1	40	0.7
Notropis lutipinnis	yellowfin shiner	1	50	1.2
Notropis lutipinnis	yellowfin shiner	1	40	0.6
Notropis lutipinnis	yellowfin shiner	1	38	0.6
Notropis lutipinnis	yellowfin shiner	1	42	0.7
Notropis lutipinnis	yellowfin shiner	1	34	0.8
Percina nigrofasciata	blackbanded darter	1	62	2.1
Percina nigrofasciata	blackbanded darter	1	74	3.5
Scartomyzon rupiscartus	striped jumprock	1	95	7.6

ALTAMAHA RIVER BASIN
2004 Water Year

02204110 HONEY CREEK, NEAR LITHONIA, GA

LOCATION.—Lat 33°41'09", long 84°04'49", referenced to North American Datum (NAD) of 1927, DeKalb County, Hydrologic Unit Code 03070103, 0.6 miles east of Turner Hill Road, 1.7 miles southeast of Interstate 20, approximately 4.3 miles northwest of Conyers.

DRAINAGE AREA.—2.80 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—January 16, 2003 to September 8, 2004 (discontinued).

REMARKS.— Medium code 9 is a surface water sample and 1 is a suspended sediment sample. Hydrologic condition codes represent the stage present during the sample; 9 is for normal, stable stage, 5 is falling, and 4 is for a low, stable stage. Sample type 9 is a regular sample. Hydrologic event code 9 is for a routine sample. Three different sampler types were used at this site, 3001 is a US DH-48 sediment sampler, 3044 is a US DH-81, and 3070 is a grab sample. Sampling method code 10 is for an equal width increment (EWI) sample and 70 for a grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory, Denver, CO. Laboratory chemical analyses of biological oxygen demand (BOD-5) during the period of October through September analyzed by the U.S. Geological Survey, Ocala Water-Quality Laboratory and are stored under the analyzing agency code 80020. BOD-5 samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratory, Denver, CO, and are stored under analyzing agency code 80855. Laboratory sediment analyses with analyzing agency code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory, Atlanta, GA. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02204110 HONEY CREEK, NEAR LITHONIA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydrologic condition	Sample type	Hydrologic event	Sampler type, code (84164)	Sampling method, code (82398)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)
OCT													
30...	0925	9	9	9	9	3044	10	80020	2.51	2.2	90	6.8	13.3
DEC													
15...	1105	9	5	9	9	3070	10	80020	2.68	3.0	75	6.9	7.2
JAN													
15...	0935	9	9	9	9	3070	10	80020	2.47	2.0	89	6.6	8.7
FEB													
18...	1120	9	5	9	9	3070	10	80020	2.74	4.0	75	6.7	8.6
MAR													
11...	1020	9	9	9	9	3070	10	80020	2.50	2.2	74	6.5	9.3
APR													
06...	1000	9	9	9	9	3070	10	80020	2.48	1.8	78	6.7	11.9
MAY													
27...	0910	9	9	9	9	3070	70	80020	2.38	1.6	93	6.8	22.8
JUN													
28...	0945	9	5	9	9	3044	10	80020	3.02	7.1	66	6.2	22.2
JUL													
14...	1050	9	9	9	9	3070	10	80020	2.40	2.2	95	6.4	23.6
AUG													
04...	0945	9	9	9	9	3044	10	80020	2.29	1.2	99	6.9	23.5
16...	1000	9	9	9	9	3070	10	80020	2.42	1.5	92	6.4	21.5
24...	1000	9	4	9	9	3070	10	80020	2.31	.97	94	6.7	22.6
SEP													
08...	1135	9	5	9	9	3044	10	80020	2.82	5.8	68	6.7	22.0
08...	1136	9	5	9	9	3070	10	80855	2.82	5.8	68	6.7	22.0
08...	1137	1	5	9	9	3001	10	81350	2.82	5.8	68	6.7	22.0

Date	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)
OCT													
30...	8.3	745	9.9	97	.8	7.61	1.42	.333	.18	.030	<.006	.016	2.9
DEC													
15...	28	740	10.2	87	--	6.76	1.28	.432	.27	.050	<.006	.018	2.6
JAN													
15...	24	737	11.0	98	.5	7.20	1.32	.518	.17	.053	<.006	.014	2.2
FEB													
18...	15	755	11.4	99	.4	5.19	.923	.534	.20	.044	<.006	.013	2.4
MAR													
11...	14	745	10.8	96	1.1	6.08	1.20	.482	.23	.053	<.006	.013	3.5
APR													
06...	9.3	739	9.2	88	.2	6.99	1.46	.379	.25	.052	<.006	.016	2.9
MAY													
27...	13	741	7.7	92	--	--	--	--	--	--	--	--	--
JUN													
28...	71	746	7.5	88	1.7	5.85	.960	.211	.51	.048	<.006	.055	7.8
JUL													
14...	10	742	5.6	68	1.4	7.77	1.31	.391	.56	.288	.007	.048	3.4
AUG													
04...	12	740	6.2	75	E1.6	9.23	1.43	.386	.60	.267	.011	.042	3.4
16...	10	743	5.9	69	2.3	7.58	1.22	.367	.58	.316d	.011	.049	3.4
24...	6.5	745	4.6	53	2.6	9.09	1.34	.329	.75	.396d	.013	.061	4.9
SEP													
08...	26	735	7.5	89	--	6.67	.901	.172	.40	.039	<.006	.038	7.4
08...	26	735	7.5	89	<2.0	--	--	--	--	--	--	--	--
08...	26	735	7.5	89	--	--	--	--	--	--	--	--	--

02204110 HONEY CREEK, NEAR LITHONIA, GA—continued.

Date	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Sus-pended sedi-ment concen-tration mg/L (80154)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT							
30...	.5	<.08	4.8	E.4	<.1	9	86
DEC							
15...	.7	.08	10.4	E.8d	<.1d	6	92
JAN							
15...	E.3n	E.07n	3.6	E.4d	<.1d	7	70
FEB							
18...	.5	E.07n	7.0	E.4	<.1	5	89
MAR							
11...	.5	.14	5.6	.9d	<.1d	7	67
APR							
06...	1.1	.10	3.4	E.6d	<.1d	4	71
MAY							
27...	--	--	--	E.8d	E.3d	--	--
JUN							
28...	1.5	.20	6.1	E.9d	E.2d	35	94
JUL							
14...	E.4n	<.08	2.7	2.3d	E.4d	8	83
AUG							
04...	E.4n	E.06n	2.3	1.8d	E.2d	11	77
16...	1.3	.26	3.6	1.1d	E.3d	5	91
24...	.8	E.06n	3.4	E.5d	<.1d	6	92
SEP							
08...	1.8	.24	8.4	--	--	--	--
08...	--	--	--	--	--	--	--
08...	--	--	--	--	--	26	62

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

Value qualifier codes used in this table:
   d -- Diluted sample: method hi range exceeded
   n -- Below the LRL and above the LT-MDL

2004 Water Year

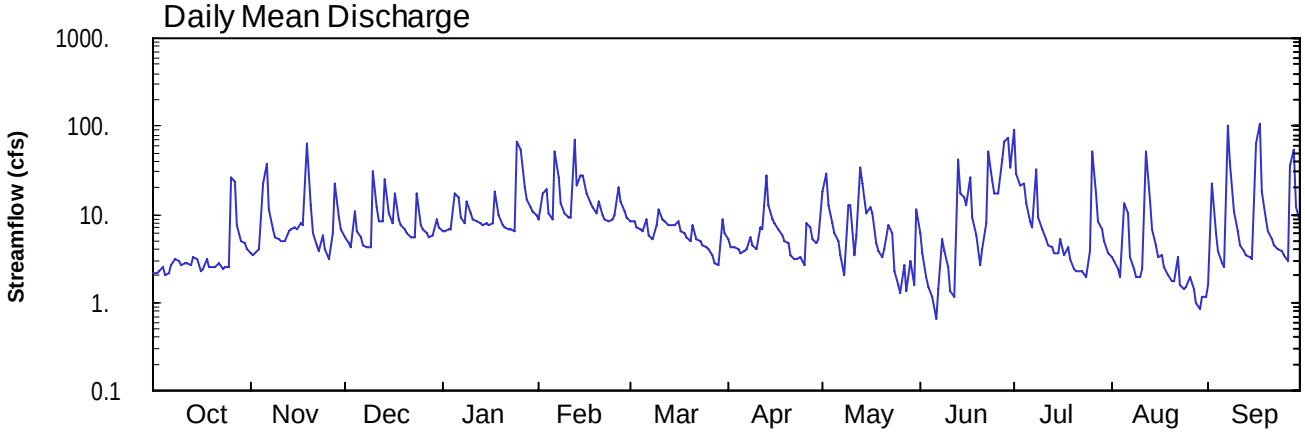
ALTAMAHA RIVER BASIN

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA

Latitude: 33°39'44" Longitude: 084°05'03" Hydrologic Unit Code: 03070103

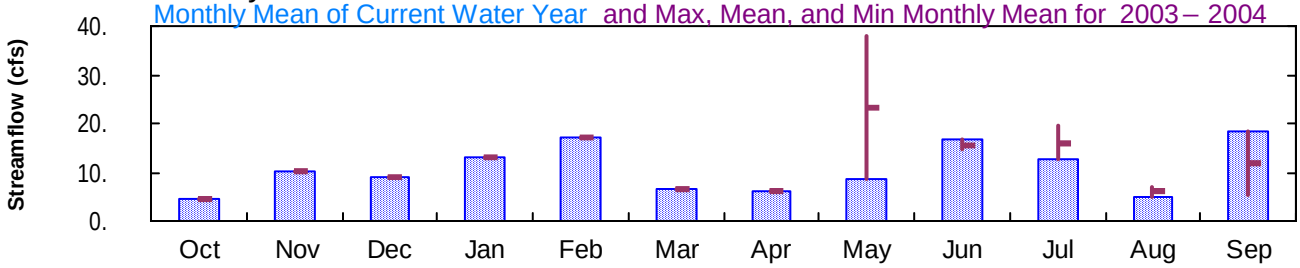
Rockdale County Datum: 760 feet Drainage Area: 8. mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2004 Water Year

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°39'44", long 84°05'03", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on left downstream side of bridge on Hurst Road, 4.3 miles south of Lithonia, and 2.5 miles east of Arabia Mountain.

DRAINAGE AREA.—8.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 18, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 18, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 4.19 feet, September 16; minimum gage-height recorded, 1.09 feet, August 29.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 18, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	3.6	5.5	6.4	8.8	8.6	5.2	18	6.0	93	3.2	1.6
2	2.2	3.4	4.8	6.5	17	8.2	4.3	29	3.6	29	3.0	22
3	2.3	3.7	4.1	6.8	19	7.3	4.2	12	1.9	21	2.4	6.1
4	2.5	4.0	11	6.9	10	6.6	4.0	8.0	1.5	23	2.0	3.8
5	2.1	23	6.4	17	8.6	6.3	3.7	6.1	1.2	13	13	2.7
6	2.2	37	5.4	16	51	8.7	3.8	4.9	0.65	8.5	10	2.5
7	2.6	11	4.4	9.1	26	5.8	3.9	3.4	1.4	7.1	3.2	100
8	3.1	6.9	4.2	8.0	13	5.3	5.4	2.0	5.2	32	2.4	40
9	3.0	5.6	4.3	14	10	7.6	4.5	13	3.8	9.4	2.0	11
10	2.7	5.1	30	10	9.4	11	4.0	12	2.5	6.9	1.9	6.3
11	2.7	5.0	12	8.7	9.0	8.9	7.0	3.4	1.3	5.3	2.3	4.5
12	2.8	4.9	8.1	8.4	69	8.2	6.9	5.8	1.2	4.5	51	3.8
13	2.7	6.5	8.5	8.0	21	7.6	27	34	42	4.1	14	3.4
14	3.3	6.8	25	7.4	28	7.4	13	23	17	3.6	6.7	3.2
15	3.1	6.9	10	7.9	28	7.4	8.8	11	15	3.6	4.4	3.2
16	2.3	6.9	8.1	7.6	18	8.5	7.7	12	13	5.3	3.4	64
17	2.4	8.0	17	7.7	13	6.4	6.6	10	27	3.4	3.4	106
18	3.1	7.4	8.8	18	12	5.9	5.9	4.8	9.4	4.3	2.6	18
19	2.5	65	7.5	9.5	10	5.6	5.0	3.7	5.7	3.2	2.0	8.8
20	2.5	12	6.7	7.6	14	5.0	4.7	3.3	2.7	2.5	1.7	6.4
21	2.5	6.2	6.0	7.0	9.9	7.3	3.4	3.9	4.0	2.3	1.7	5.3
22	2.7	4.4	5.6	6.8	9.0	5.1	3.1	7.4	7.8	2.3	3.3	4.5
23	2.4	3.8	5.6	6.8	8.5	4.8	3.1	6.1	52	2.3	1.5	4.0
24	2.5	5.7	17	6.5	8.9	4.5	3.2	2.3	25	1.9	1.4	3.8
25	2.5	4.1	7.7	68	9.8	4.2	2.7	1.6	17	3.8	1.5	3.5
26	26	3.2	6.7	55	20	3.9	7.8	1.3	17	52	1.9	3.0
27	23	6.0	6.0	20	14	3.5	7.2	2.7	41	17	1.4	35
28	7.5	22	5.5	15	11	2.8	5.3	1.3	68	8.3	0.99	53
29	5.0	9.2	5.7	12	9.1	2.6	4.7	2.9	73	6.6	0.86	12
30	4.6	6.7	8.7	11	---	8.6	5.2	1.6	34	5.0	1.1	8.3
31	4.0	---	7.0	9.8	---	6.1	---	11	---	3.6	1.2	---
TOTAL	135.0	304.0	273.3	409.4	495.0	199.7	181.3	261.5	500.85	387.8	151.45	549.7
MEAN	4.35	10.1	8.82	13.2	17.1	6.44	6.04	8.44	16.7	12.5	4.89	18.3
MAX	26	65	30	68	69	11	27	34	73	93	51	106
MIN	2.1	3.2	4.1	6.4	8.5	2.6	2.7	1.3	0.65	1.9	0.86	1.6
CFSM	0.54	1.27	1.10	1.65	2.13	0.81	0.76	1.05	2.09	1.56	0.61	2.29
IN.	0.63	1.41	1.27	1.90	2.30	0.93	0.84	1.22	2.33	1.80	0.70	2.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	4.35	10.1	8.82	13.2	17.1	6.44	6.04	23.1	15.6	16.0	6.01	11.8
MAX	4.35	10.1	8.82	13.2	17.1	6.44	6.04	37.9	16.7	19.5	7.14	18.3
(WY)	2004	2004	2004	2004	2004	2004	2004	2003	2004	2003	2003	2004
MIN	4.35	10.1	8.82	13.2	17.1	6.44	6.04	8.44	14.5	12.5	4.89	5.30
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2003	2004	2004	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	3849.00			
ANNUAL MEAN	10.5		10.5	
HIGHEST ANNUAL MEAN			10.5	2004
LOWEST ANNUAL MEAN			10.5	2004
HIGHEST DAILY MEAN	106	Sep 17	292	May 6 2003
LOWEST DAILY MEAN	0.65	Jun 6	0.65	Jun 6 2004
ANNUAL SEVEN-DAY MINIMUM	1.3	Aug 25	1.3	Aug 25 2004
MAXIMUM PEAK FLOW	245	Sep 16		
MAXIMUM PEAK STAGE	4.19	Sep 16		
ANNUAL RUNOFF (CFSM)	1.31		1.31	
ANNUAL RUNOFF (INCHES)	17.90		17.86	
10 PERCENT EXCEEDS	23		23	
50 PERCENT EXCEEDS	6.2		6.2	
90 PERCENT EXCEEDS	2.3		2.3	

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.28	1.38	1.72	1.76	2.02	2.00	1.70	2.12	1.51	2.90	1.31	1.18
2	1.28	1.37	1.68	1.77	2.18	1.99	1.66	2.32	1.38	2.16	1.29	1.89
3	1.29	1.39	1.65	1.79	2.31	1.95	1.65	1.99	1.27	1.99	1.25	1.47
4	1.31	1.41	1.92	1.79	2.08	1.92	1.64	1.84	1.23	2.04	1.22	1.35
5	1.28	1.79	1.77	2.02	2.01	1.90	1.62	1.75	1.20	1.79	1.49	1.28
6	1.29	2.26	1.72	2.07	2.60	2.00	1.62	1.69	1.14	1.63	1.61	1.26
7	1.32	1.73	1.66	1.89	2.42	1.88	1.63	1.60	1.20	1.57	1.31	2.97
8	1.35	1.56	1.65	1.84	2.17	1.85	1.71	1.50	1.47	2.15	1.25	2.25
9	1.35	1.49	1.65	2.02	2.08	1.90	1.67	1.72	1.39	1.67	1.22	1.67
10	1.32	1.47	2.25	1.93	2.04	1.96	1.64	1.95	1.31	1.56	1.21	1.48
11	1.33	1.47	1.98	1.87	2.03	1.88	1.77	1.60	1.21	1.48	1.25	1.39
12	1.33	1.46	1.85	1.86	2.89	1.85	1.77	1.62	1.19	1.43	2.31	1.34
13	1.32	1.54	1.84	1.84	2.36	1.82	2.29	2.26	2.29	1.41	1.77	1.32
14	1.37	1.55	2.25	1.81	2.46	1.81	1.99	2.04	1.89	1.39	1.50	1.31
15	1.35	1.56	1.93	1.83	2.47	1.81	1.88	1.71	1.85	1.38	1.38	1.31
16	1.29	1.56	1.84	1.82	2.29	1.85	1.83	1.69	1.77	1.43	1.32	2.20
17	1.30	1.61	2.09	1.83	2.17	1.76	1.78	1.69	2.08	1.37	1.32	3.05
18	1.35	1.58	1.88	2.12	2.12	1.74	1.74	1.45	1.66	1.43	1.26	1.87
19	1.30	2.73	1.82	1.90	2.07	1.73	1.69	1.38	1.50	1.35	1.22	1.59
20	1.31	1.98	1.78	1.82	2.15	1.70	1.67	1.36	1.32	1.30	1.20	1.48
21	1.31	1.76	1.74	1.80	2.06	1.80	1.60	1.40	1.38	1.29	1.20	1.43
22	1.33	1.66	1.73	1.79	2.02	1.70	1.58	1.50	1.53	1.29	1.30	1.39
23	1.30	1.62	1.72	1.79	2.00	1.69	1.58	1.51	2.47	1.29	1.18	1.36
24	1.31	1.72	2.08	1.77	2.02	1.67	1.59	1.29	2.06	1.27	1.17	1.34
25	1.31	1.64	1.82	2.76	2.04	1.65	1.55	1.24	1.86	1.31	1.18	1.33
26	1.84	1.58	1.78	2.78	2.32	1.63	1.78	1.21	1.89	2.41	1.21	1.29
27	2.00	1.69	1.75	2.35	2.19	1.60	1.80	1.29	2.08	1.85	1.17	1.95
28	1.59	2.21	1.72	2.21	2.09	1.56	1.71	1.20	2.67	1.57	1.13	2.44
29	1.46	1.88	1.73	2.13	2.03	1.55	1.68	1.33	2.73	1.49	1.12	1.71
30	1.44	1.78	1.86	2.10	---	1.82	1.70	1.24	2.17	1.41	1.15	1.57
31	1.41	---	1.79	2.06	---	1.74	---	1.62	---	1.33	1.15	---
MEAN	1.37	1.68	1.83	1.97	2.20	1.80	1.72	1.62	1.69	1.61	1.31	1.65
MAX	2.00	2.73	2.25	2.78	2.89	2.00	2.29	2.32	2.73	2.90	2.31	3.05
MIN	1.28	1.37	1.65	1.76	2.00	1.55	1.55	1.20	1.14	1.27	1.12	1.18

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.46	0.00	0.60
2	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.45	0.00	0.02	0.00	0.68
3	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.90	0.00	0.00
4	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
5	0.00	1.82	0.02	0.60	0.00	0.00	0.00	0.00	0.00	0.06	0.34	0.00
6	0.03	0.11	0.00	0.00	1.25	0.18	0.00	0.00	0.00	0.00	0.00	0.44
7	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.20	0.00	3.36
8	0.05	0.00	0.00	0.05	0.00	0.00	0.03	0.00	0.35	0.01	0.00	0.03
9	0.00	0.00	0.00	0.22	0.00	0.26	0.00	0.32	0.21	0.00	0.00	0.00
10	0.02	0.00	0.84	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.00
11	0.00	0.00	0.00	0.00	0.20	0.00	0.12	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.26	0.00	0.43	0.85	0.92	0.00	1.68	0.00
13	0.00	0.00	0.35	0.00	0.00	0.00	0.41	0.11	0.22	0.00	0.00	0.00
14	0.06	0.00	0.30	0.00	0.57	0.00	0.00	0.00	0.54	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.19	0.01	0.00	0.00
16	0.00	0.00	0.10	0.00	0.00	0.06	0.00	0.00	0.33	0.00	0.00	3.14
17	0.03	0.03	0.20	0.01	0.00	0.00	0.00	0.00	0.16	0.01	0.01	0.21
18	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.03	0.21	0.03	0.00	0.00
19	0.00	1.32	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.02	0.00	0.02	0.00
21	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.30	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.80	0.00	0.00	0.00
23	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00
24	0.00	0.16	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	2.17	0.22	0.00	0.00	0.00	0.98	2.17	0.00	0.00
26	2.33	0.01	0.00	0.11	---	0.00	0.33	0.00	0.00	0.21	0.00	0.00
27	0.01	0.55	0.00	0.00	---	0.00	0.00	0.00	1.28	0.24	0.00	2.59
28	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.02	1.36	0.00	0.00	0.00
29	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.18	0.00	0.04	0.01	0.00
30	0.00	0.00	0.05	0.00	---	0.33	0.22	0.00	0.58	0.00	0.01	0.00
31	0.00	---	0.00	0.00	---	0.17	---	0.53	---	0.00	0.00	---
TOTAL	2.54	4.77	2.76	3.19	---	1.15	1.54	3.63	9.04	4.39	2.10	11.05

ALTAMAHA RIVER BASIN
2004 Water Year

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA

LOCATION.—Lat. 33°39'44", long. 84°05'03", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, 0.5 mile north of Goddard Road, 4.3 miles south of Lithonia, 2.5 miles east of Arabia Mountain, and 3.5 miles west of Interstate 20.

DRAINAGE AREA.—8.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIOD OF DAILY RECORD.—April 17, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: April 17, 2003 to current year.
WATER TEMPERATURE: April 17, 2003 to current year.
TURBIDITY: April 17, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except turbidity, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 92 microsiemens, July 30, 2004; minimum recorded, 23 microsiemens, September 16, 2004.
WATER TEMPERATURE: Maximum recorded, 27.7°C, July 26, 2004; minimum recorded, 3.2°C, January 28, 29, 2004.
TURBIDITY: Maximum recorded, >1,100 NTU, June 30, 2004; minimum recorded, 3.2 NTU, October 25, 2003.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 92 microsiemens, July 30; minimum recorded, 23 microsiemens, September 16.
WATER TEMPERATURE: Maximum recorded, 27.7°C, July 26; minimum recorded, 3.2°C, January 28, 29.
TURBIDITY: Maximum recorded, >1,100 NTU, June 30; minimum recorded, 3.2 NTU, October 25.

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	65	58	62	65	62	64	55	53	54	55	53	54
2	65	58	62	66	61	63	55	54	55	56	55	55
3	67	60	63	68	64	66	56	54	55	56	55	55
4	68	64	65	66	63	64	64	51	57	56	55	55
5	69	61	65	66	51	63	54	50	52	67	47	56
6	69	61	63	59	51	55	57	54	56	50	46	48
7	66	62	64	63	59	62	59	57	58	54	49	51
8	66	62	64	65	63	64	58	58	58	55	53	54
9	67	63	65	66	64	65	61	57	58	65	51	57
10	67	63	64	66	64	65	69	41	51	52	49	51
11	67	63	65	66	64	65	51	46	50	55	52	54
12	68	64	66	67	64	66	54	51	53	56	54	55
13	68	64	66	70	66	67	64	54	55	56	54	55
14	66	60	63	67	63	66	68	44	50	58	53	56
15	67	63	65	65	63	64	52	48	51	58	56	57
16	68	61	65	65	63	64	55	52	54	59	54	57
17	69	61	65	64	63	63	67	49	53	58	55	56
18	68	66	67	65	63	64	54	50	52	76	50	56
19	69	62	65	65	38	47	55	52	53	52	50	51
20	69	62	65	51	47	49	55	54	55	56	51	53
21	68	61	65	53	51	52	57	54	56	57	53	55
22	68	63	65	54	52	53	57	56	57	57	54	56
23	67	62	64	55	53	54	57	54	56	59	55	57
24	66	63	64	59	54	56	70	49	52	59	55	58
25	67	64	65	58	54	57	52	50	51	70	38	48
26	81	50	63	55	52	53	54	52	53	46	38	43
27	53	49	51	63	53	54	55	54	55	55	46	51
28	57	53	55	62	47	49	55	55	55	51	49	50
29	62	57	60	51	47	50	56	55	55	52	50	52
30	65	60	62	53	50	52	60	55	57	52	51	52
31	65	63	64	---	---	---	58	53	55	52	51	51
MONTH	81	49	63	70	38	59	70	41	54	76	38	54

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	53	51	52	52	50	51	63	55	59	76	55	66
2	69	48	54	52	51	52	57	52	53	59	42	49
3	49	47	48	53	51	52	56	53	55	54	49	53
4	51	48	50	54	52	53	61	55	58	57	53	56
5	52	50	52	54	53	53	58	55	57	60	57	59
6	59	35	46	63	53	57	58	56	57	65	60	62
7	46	39	43	56	51	53	58	56	57	68	62	65
8	50	46	47	54	51	53	62	56	58	67	64	66
9	50	49	49	58	53	54	63	58	60	71	61	67
10	51	49	50	62	49	56	64	59	61	62	53	58
11	50	49	50	51	49	50	71	59	64	57	53	56
12	57	30	40	53	51	53	65	54	61	71	53	60
13	45	41	43	54	53	53	68	46	55	71	48	53
14	58	42	45	54	53	53	52	47	50	52	50	50
15	56	40	45	56	53	54	54	52	54	57	51	54
16	46	42	44	60	53	55	57	54	56	68	56	60
17	48	46	47	57	53	55	57	56	57	62	57	58
18	49	47	48	56	53	54	64	57	58	62	57	60
19	50	47	49	56	54	55	68	58	62	64	60	62
20	52	41	48	57	54	54	65	60	62	68	60	66
21	52	49	50	62	54	58	67	61	64	68	58	63
22	50	49	50	59	52	54	65	62	64	72	60	64
23	50	49	50	56	53	54	69	62	65	71	62	66
24	54	50	52	56	53	54	70	63	67	64	61	63
25	57	49	52	56	---	---	72	64	68	66	62	64
26	57	47	53	---	---	---	81	67	73	68	63	65
27	58	51	54	---	---	---	83	73	77	78	65	70
28	53	48	49	---	---	---	76	66	71	73	68	70
29	51	49	50	---	---	---	73	66	69	78	72	76
30	---	---	---	73	56	62	69	64	66	76	73	74
31	---	---	---	65	51	57	---	---	---	74	55	66
MONTH	69	30	49	---	---	---	83	46	61	78	42	62

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	55	49	53	52	25	40	65	60	62	83	74	80
2	58	52	56	56	50	51	68	65	67	82	44	53
3	63	58	60	55	42	53	72	68	70	58	47	51
4	65	60	62	53	47	50	73	71	72	58	54	56
5	70	63	66	58	53	56	77	49	70	65	58	62
6	70	66	68	61	56	59	58	51	53	71	65	68
7	72	67	69	65	59	62	60	54	57	69	24	38
8	71	61	64	65	42	47	66	60	62	48	38	43
9	65	59	60	56	49	53	70	66	69	52	48	50
10	64	60	63	64	54	59	77	70	74	58	52	56
11	69	64	66	68	58	64	78	71	75	61	57	59
12	69	57	67	69	61	65	76	28	47	63	60	62
13	66	51	55	69	65	67	46	41	44	65	63	64
14	64	56	61	71	68	69	53	46	50	67	64	65
15	63	58	59	71	68	70	60	53	55	68	65	67
16	65	55	60	72	62	67	63	60	62	73	23	56
17	59	47	51	74	70	73	68	63	66	44	25	36
18	63	56	60	74	69	72	70	67	68	48	44	46
19	61	58	60	72	69	71	71	67	69	51	48	50
20	64	60	62	72	70	71	74	67	70	54	51	53
21	71	62	64	73	71	72	74	70	72	56	53	55
22	71	48	69	74	72	73	81	74	78	57	55	56
23	54	40	46	75	73	74	81	74	78	59	56	58
24	53	46	50	76	74	75	74	72	73	61	58	60
25	66	52	58	79	43	74	75	72	73	66	61	63
26	63	56	57	61	38	45	76	74	75	66	62	64
27	66	35	55	57	48	52	77	75	76	74	32	55
28	51	36	44	56	50	54	79	76	77	46	32	40
29	46	33	39	66	54	58	80	78	79	50	46	48
30	52	25	47	92	61	68	83	79	80	54	50	53
31	---	---	---	63	58	60	83	81	82	---	---	---
MONTH	72	25	58	92	25	62	83	28	68	83	23	56

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.5	15.5	16.5	16.4	14.0	15.3	9.1	6.9	7.9	8.2	5.5	6.7
2	16.6	15.1	15.9	16.6	14.1	15.5	9.3	7.3	8.2	9.2	6.7	7.9
3	15.6	14.0	14.9	16.5	14.1	15.5	8.0	7.2	7.6	11.2	8.2	9.7
4	16.5	14.1	15.5	17.8	16.2	17.0	7.4	6.7	6.9	12.9	10.4	11.5
5	17.6	15.4	16.6	21.1	17.6	18.7	7.4	6.7	6.9	13.5	11.9	12.8
6	18.3	17.2	17.8	21.0	19.9	20.5	7.7	6.5	7.0	12.2	7.0	9.3
7	18.6	17.9	18.3	20.6	19.0	19.7	7.4	5.7	6.4	7.0	4.2	5.4
8	18.9	18.3	18.6	19.0	16.7	17.8	7.5	5.2	6.2	4.8	3.8	4.3
9	19.3	18.4	18.8	16.7	14.8	15.8	8.3	5.5	6.8	5.8	4.5	5.2
10	19.4	18.7	19.0	14.8	12.9	13.8	11.4	7.5	9.6	5.6	4.5	5.3
11	19.0	18.5	18.6	14.4	12.0	13.3	9.2	7.4	7.9	5.5	3.5	4.4
12	19.5	18.3	18.9	15.7	12.9	14.3	7.6	6.0	6.9	6.2	3.7	4.7
13	19.6	17.6	18.7	15.3	12.0	14.0	7.2	6.5	6.8	7.6	4.7	6.1
14	20.2	18.4	19.5	12.0	10.2	11.2	7.1	6.2	6.7	8.8	5.7	7.3
15	18.4	15.9	16.8	12.1	9.5	10.9	7.1	5.5	6.4	9.4	7.8	8.5
16	16.0	13.9	15.1	13.3	10.3	11.8	8.3	5.9	7.0	8.6	6.5	7.4
17	15.1	13.6	14.6	15.5	12.9	14.2	9.0	7.4	8.3	7.6	6.0	6.8
18	15.3	13.1	14.4	17.0	14.6	15.8	7.4	5.4	6.4	9.5	6.9	8.5
19	15.4	13.2	14.5	17.9	15.5	17.2	7.1	5.8	6.6	9.4	6.2	8.0
20	16.0	13.8	15.1	15.5	13.1	14.1	5.8	4.2	5.2	6.5	4.8	5.6
21	16.7	14.3	15.7	13.8	11.8	12.9	5.4	3.6	4.4	6.6	4.3	5.2
22	17.2	15.5	16.4	13.6	11.6	12.6	6.1	3.8	4.7	6.8	4.3	5.4
23	16.4	14.4	15.5	13.8	11.5	12.6	7.3	4.5	5.9	6.4	4.6	5.4
24	16.3	14.5	15.3	13.6	11.3	12.9	9.6	7.1	8.8	7.7	4.1	5.8
25	16.4	14.8	15.6	11.3	9.1	10.1	7.8	5.3	6.3	9.4	6.1	7.8
26	18.1	16.1	16.8	10.8	8.3	9.5	6.6	4.7	5.6	6.1	5.4	5.6
27	18.0	16.3	17.4	12.5	9.9	10.9	6.8	4.7	5.6	7.0	5.3	6.0
28	16.3	14.2	14.8	13.7	10.7	12.9	7.2	5.0	5.9	6.3	3.2	4.5
29	15.1	13.5	14.3	10.7	7.6	8.6	8.3	5.5	7.0	5.1	3.2	4.3
30	15.5	12.9	14.3	8.3	6.4	7.4	9.3	7.4	8.4	6.6	4.7	5.6
31	16.0	13.4	14.8	---	---	---	8.0	6.1	7.0	6.7	5.1	6.0
MONTH	20.2	12.9	16.4	21.1	6.4	13.9	11.4	3.6	6.8	13.5	3.2	6.7

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	5.1	6.0	14.3	8.6	11.0	14.2	10.7	12.7	20.9	18.3	19.2
2	6.6	4.8	5.8	15.4	12.0	13.6	15.0	11.2	13.2	20.8	19.2	19.9
3	7.4	4.6	5.8	17.1	13.0	15.0	16.6	11.9	14.3	19.2	16.0	16.9
4	7.3	5.1	6.2	17.2	14.4	16.0	16.2	12.9	14.4	16.8	13.6	15.3
5	7.0	6.0	6.4	17.0	14.9	16.0	16.2	11.6	13.9	18.7	14.5	16.5
6	7.8	6.0	6.8	18.1	15.9	17.0	17.1	12.1	14.6	20.1	16.9	18.6
7	7.6	5.4	6.4	17.1	13.3	15.3	17.3	13.2	15.4	20.7	17.8	19.5
8	6.9	3.8	5.3	15.2	11.1	12.8	17.4	15.0	16.2	21.3	18.5	20.1
9	6.8	5.5	6.1	12.3	9.5	11.0	18.4	14.7	16.5	22.7	19.7	21.0
10	8.0	5.8	6.7	12.2	8.3	10.5	18.0	14.1	16.3	22.3	19.4	20.9
11	8.5	7.6	8.1	12.5	8.1	10.7	17.7	15.8	16.8	22.3	20.6	21.4
12	8.6	7.0	7.6	13.1	9.7	11.8	18.0	16.4	17.2	22.2	20.7	21.3
13	10.5	7.1	8.5	13.1	9.7	11.8	17.1	12.9	15.0	22.7	20.7	21.5
14	10.1	8.7	9.1	14.9	11.2	13.1	14.2	11.0	12.6	22.7	20.3	21.5
15	9.5	8.4	8.9	15.8	14.1	15.1	16.4	11.9	14.2	23.1	20.3	21.7
16	8.4	6.8	7.7	16.9	14.7	15.7	17.5	13.3	15.6	23.3	20.9	21.9
17	8.2	6.9	7.6	15.6	12.8	14.4	18.5	14.7	16.8	22.3	20.4	21.4
18	9.3	6.2	7.8	14.0	11.8	13.2	19.6	15.8	18.0	22.2	21.1	21.8
19	9.4	6.3	8.1	17.0	12.1	14.5	20.0	16.8	18.6	22.3	20.7	21.7
20	10.3	7.6	8.8	17.1	13.8	15.6	20.2	17.6	19.1	23.0	20.8	22.0
21	12.2	9.4	10.7	16.9	13.9	15.9	19.6	17.7	18.8	25.5	21.5	23.5
22	11.6	7.2	9.5	13.9	10.6	12.3	19.8	16.8	18.5	24.7	23.1	23.7
23	11.0	7.9	9.0	12.8	9.1	11.1	20.3	17.6	19.2	23.4	21.7	22.7
24	10.4	9.2	9.8	14.3	9.9	12.1	21.2	18.0	19.8	23.6	20.8	22.4
25	10.4	8.4	9.4	---	11.6	---	21.4	18.8	20.3	24.2	22.2	23.2
26	8.4	4.3	5.7	---	---	---	21.1	18.2	19.7	24.2	22.4	23.4
27	8.0	5.1	6.3	---	---	---	18.2	15.9	17.0	24.3	22.2	22.9
28	10.9	4.7	7.5	---	---	---	17.4	14.1	16.1	23.6	22.2	22.8
29	11.2	5.9	8.5	18.6	---	---	18.7	15.7	17.2	23.3	22.6	22.9
30	---	---	---	18.9	15.8	17.2	19.0	18.1	18.6	23.9	21.8	22.9
31	---	---	---	17.8	13.6	15.3	---	---	---	23.9	22.6	23.3
MONTH	12.2	3.8	7.6	---	---	---	21.4	10.7	16.6	25.5	13.6	21.2

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.1	21.5	22.7	25.1	22.7	23.7	26.2	24.7	25.6	23.8	22.7	23.2
2	22.7	20.8	22.1	25.7	23.0	24.1	26.1	24.8	25.5	23.9	22.8	23.3
3	22.4	20.6	21.7	25.6	23.1	24.2	25.7	23.9	24.9	23.8	22.9	23.2
4	23.1	21.6	22.3	27.1	23.2	24.8	25.6	24.0	24.9	23.3	22.2	22.8
5	22.1	20.1	21.3	27.5	23.8	25.5	25.4	23.8	24.5	23.3	22.3	22.8
6	22.6	20.9	21.7	27.0	24.3	25.6	24.5	23.3	23.9	23.0	22.6	22.8
7	22.3	20.8	21.5	26.1	23.8	25.1	23.8	21.8	22.6	23.1	22.1	22.6
8	22.4	21.5	21.8	27.5	23.1	25.0	22.4	20.3	21.5	23.2	22.4	22.9
9	22.8	21.9	22.3	26.8	24.2	25.4	22.3	20.5	21.5	24.9	21.4	22.9
10	23.9	22.0	23.0	26.3	24.5	25.5	22.1	21.3	21.6	24.2	22.1	23.2
11	24.8	22.7	23.8	26.3	24.8	25.6	22.0	20.6	21.3	23.9	22.4	23.1
12	25.2	23.4	24.3	26.1	25.0	25.6	23.9	21.7	22.8	23.4	22.4	22.9
13	25.3	23.4	24.1	26.2	24.6	25.5	23.6	20.9	22.2	23.0	21.9	22.3
14	24.4	23.5	23.8	26.5	24.8	25.7	22.9	20.6	21.7	21.9	20.9	21.5
15	24.2	23.3	23.8	25.9	24.6	25.1	23.0	21.8	22.4	21.8	21.0	21.3
16	25.4	23.4	24.2	25.2	22.7	24.3	23.4	22.2	22.8	23.1	21.5	22.1
17	26.6	23.7	25.0	24.8	23.7	24.2	24.2	21.9	22.9	23.0	22.0	22.6
18	26.2	24.9	25.6	24.9	23.6	24.3	24.0	22.2	23.1	23.6	20.6	21.9
19	26.4	25.1	25.8	24.8	23.0	24.0	23.6	22.1	23.0	21.7	18.9	20.3
20	25.9	24.2	25.2	24.6	22.3	23.6	23.8	22.6	23.3	20.6	17.9	19.1
21	25.6	24.4	24.7	24.7	22.7	23.8	24.0	23.2	23.5	19.9	17.8	18.8
22	25.2	23.8	24.5	25.1	23.4	24.3	24.1	23.2	23.7	20.1	18.0	19.0
23	25.1	23.5	24.1	25.8	23.8	24.8	23.8	23.1	23.5	21.0	18.4	19.6
24	25.0	23.4	24.1	26.0	24.3	25.1	23.9	22.9	23.4	21.1	19.6	20.4
25	25.4	23.8	24.5	25.5	23.7	25.0	23.8	23.2	23.4	20.9	19.8	20.4
26	24.8	23.9	24.4	27.7	23.9	25.6	23.7	22.6	23.2	20.7	19.2	20.1
27	24.7	23.7	24.1	26.7	24.4	25.5	24.0	22.8	23.4	20.6	20.0	20.3
28	25.5	23.3	24.2	26.4	24.6	25.5	24.3	22.9	23.5	22.4	20.2	21.2
29	26.1	23.2	24.4	26.1	24.6	25.1	24.1	23.0	23.4	21.5	19.7	20.6
30	25.0	22.7	24.0	25.9	24.7	25.3	23.9	22.5	23.1	21.3	18.5	19.9
31	---	---	---	26.1	24.9	25.6	24.0	22.5	23.2	---	---	---
MONTH	26.6	20.1	23.6	27.7	22.3	24.9	26.2	20.3	23.2	24.9	17.8	21.6

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25	5.2	6.0	19	5.3	6.6	10	7.4	8.4	38	7.1	9.5
2	16	5.0	5.5	20	5.4	6.2	9.8	7.1	7.8	57	6.1	9.9
3	6.3	4.8	5.2	24	4.9	6.0	10	7.1	7.8	22	5.9	7.1
4	12	5.1	5.6	21	4.5	5.6	16	7.7	11	23	5.7	6.8
5	16	4.7	5.3	460	4.5	8.9	12	7.9	9.1	64	6.0	8.7
6	20	4.8	5.8	130	15	34	13	7.2	8.2	32	12	16
7	9.9	4.5	5.2	16	7.8	10	13	7.1	7.8	16	8.2	9.9
8	6.9	4.5	5.1	11	6.0	7.6	9.3	6.6	7.2	14	6.9	8.3
9	7.6	4.4	5.2	15	5.4	6.9	11	6.2	6.8	12	6.8	11
10	6.1	3.7	4.3	14	5.6	7.7	130	6.4	57	11	7.2	8.3
11	9.3	3.9	4.5	15	5.7	8.1	49	15	22	11	6.3	7.6
12	8.7	3.9	4.4	17	6.0	8.4	16	11	13	13	5.9	6.7
13	12	4.1	4.6	22	6.5	10	18	8.7	11	10	5.4	6.3
14	7.5	4.0	4.5	14	5.7	9.5	75	18	32	12	5.2	6.2
15	7.6	4.0	4.5	13	5.9	9.6	21	11	14	12	5.6	6.4
16	8.1	3.9	4.4	15	5.3	6.3	16	8.8	10	14	6.2	7.0
17	5.5	3.8	4.3	13	4.9	5.8	30	11	18	13	6.3	7.1
18	8.6	4.0	4.5	13	4.7	5.4	16	9.7	11	50	10	22
19	14	3.9	4.6	440	7.4	78	12	8.0	8.9	16	7.2	9.1
20	9.3	3.7	4.2	32	14	20	13	8.0	8.6	11	6.4	7.8
21	11	3.6	4.3	17	10	12	10	7.6	8.1	10	6.5	7.2
22	5.8	3.3	3.9	48	10	32	11	7.0	7.6	13	5.9	6.7
23	21	3.5	3.9	27	10	14	15	6.7	7.5	16	5.8	6.2
24	20	3.4	4.0	16	8.7	12	60	11	22	11	5.9	6.4
25	5.2	3.2	3.8	15	8.5	10	14	9.0	11	290	6.8	84
26	180	3.3	5.1	14	8.7	9.5	14	7.1	8.2	78	20	36
27	70	12	19	51	8.4	9.2	12	7.1	8.0	24	12	16
28	20	7.1	8.9	40	19	25	19	8.1	12	18	10	12
29	20	5.1	7.0	20	11	13	44	6.6	16	13	8.5	9.8
30	14	4.4	5.4	13	8.2	9.9	14	6.8	9.6	10	7.6	8.5
31	25	4.4	5.1	---	---	---	29	7.8	9.9	16	7.1	7.8
MAX	180	12	19	460	19	78	130	18	57	290	20	84
MIN	5.2	3.2	3.8	11	4.5	5.4	9.3	6.2	6.8	10	5.2	6.2

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12	6.5	7.8	9.5	5.9	7.3	12	5.6	6.8	43	9.0	14
2	86	6.9	8.8	11	6.2	7.5	12	5.0	6.2	270	16	33
3	58	14	28	9.8	5.8	7.1	16	5.2	6.1	34	9.1	12
4	16	9.1	11	9.8	5.6	7.1	18	5.3	6.9	12	7.8	9.6
5	11	7.2	8.6	10	5.7	7.4	33	5.3	6.6	13	7.2	9.0
6	270	7.3	92	21	6.9	9.4	21	5.1	6.6	17	7.8	9.6
7	81	18	27	16	6.0	7.3	13	5.1	6.5	15	7.9	11
8	20	13	15	12	5.3	7.2	17	4.9	6.4	14	8.3	10
9	16	10	11	14	5.9	7.8	10	5.2	5.8	690	8.1	12
10	14	8.8	10	15	8.1	11	10	4.9	6.1	140	19	45
11	11	8.0	8.8	15	6.6	8.4	12	5.5	6.9	22	10	13
12	210	8.7	75	14	5.8	7.0	51	5.9	7.0	120	8.4	13
13	38	14	20	10	5.7	6.9	79	10	22	300	12	25
14	42	14	27	14	5.7	6.9	13	6.0	8.9	78	12	22
15	40	17	24	18	6.2	7.2	10	5.6	6.2	24	8.8	10
16	26	12	15	18	6.1	7.7	13	5.2	6.4	58	8.4	11
17	15	11	13	17	6.2	7.5	13	5.0	6.2	50	11	23
18	16	9.3	11	14	6.6	7.3	12	5.1	6.7	16	7.9	9.4
19	17	8.1	9.5	21	6.5	7.4	12	5.3	7.0	13	7.3	9.0
20	81	8.0	10	19	6.4	7.6	19	5.5	7.3	12	7.8	9.1
21	16	8.1	9.4	20	6.8	9.3	12	5.9	7.4	14	7.7	9.3
22	20	7.3	9.3	14	7.0	8.6	9.9	6.1	7.5	---	---	---
23	35	8.0	9.4	15	5.9	7.4	14	6.2	7.6	---	---	---
24	20	8.0	10	22	5.9	7.2	12	6.3	8.7	---	---	---
25	14	8.9	10	22	---	---	14	6.5	7.9	---	---	---
26	---	---	---	---	---	---	63	7.2	9.4	13	9.0	9.6
27	---	---	---	---	---	---	12	8.0	9.2	110	8.1	13
28	---	---	---	---	---	---	14	6.1	7.4	23	10	14
29	---	---	---	---	5.7	---	10	5.6	6.8	19	9.5	12
30	---	---	---	27	6.5	10	17	6.3	7.6	13	8.0	9.4
31	---	---	---	17	6.6	8.4	---	---	---	110	8.9	23
MAX	---	---	---	---	---	---	79	10	22	---	---	---
MIN	---	---	---	---	---	---	9.9	4.9	5.8	---	---	---

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

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	71	12	17	920	44	110	11	5.5	6.8	18	3.5	4.2
2	17	8.7	11	73	24	35	7.5	5.5	6.6	180	8.7	48
3	14	8.9	9.9	530	16	22	8.3	5.6	7.0	28	8.7	14
4	22	8.2	9.5	180	18	28	9.4	6.0	7.1	240	6.0	6.8
5	15	8.4	9.6	48	13	20	290	5.7	7.2	7.1	4.5	5.1
6	15	9.0	10	20	11	13	150	19	47	8.8	4.3	5.2
7	26	8.8	11	16	10	12	19	8.4	12	380	7.4	110
8	26	8.9	12	760	14	44	9.2	6.8	7.3	66	14	23
9	14	9.6	11	22	11	14	7.9	5.6	6.5	17	8.7	12
10	15	9.3	12	14	9.3	10	9.2	4.9	6.1	16	6.2	8.4
11	16	8.0	9.6	13	7.9	9.4	7.3	5.0	5.6	8.4	5.6	6.3
12	300	7.4	9.3	10	7.0	8.3	370	5.3	72	8.1	5.5	6.1
13	590	24	72	8.9	7.0	7.7	37	13	18	8.8	5.3	5.9
14	41	19	25	8.4	6.0	6.9	17	7.1	10	14	5.6	6.2
15	28	16	20	9.8	5.7	6.4	24	5.9	6.7	8.5	5.3	6.2
16	27	9.8	15	32	6.5	11	13	5.1	6.2	940	6.0	8.3
17	150	27	39	14	6.6	7.7	9.7	5.0	6.0	450	44	130
18	48	13	20	9.4	6.1	7.5	14	4.9	5.7	44	22	30
19	23	9.8	15	8.2	5.3	6.3	11	4.7	5.7	25	14	19
20	12	7.2	8.3	7.9	4.9	5.7	9.1	4.7	5.6	27	11	14
21	28	6.6	8.7	8.6	5.1	5.7	13	4.2	5.2	22	9.8	11
22	760	8.0	10	9.9	4.5	5.6	7.9	4.5	4.9	22	9.0	10
23	760	53	140	9.3	4.2	5.7	8.5	4.1	5.0	16	8.2	9.7
24	220	18	44	71	3.7	5.1	11	4.2	5.2	20	7.9	9.0
25	800	11	20	650	3.6	4.6	6.2	4.1	4.7	13	7.3	8.4
26	47	9.6	14	790	20	57	6.1	4.0	4.5	31	6.3	7.5
27	730	7.4	11	31	11	18	5.6	3.8	4.5	200	7.3	16
28	830	31	110	16	6.1	8.3	7.3	3.6	4.2	130	16	41
29	640	33	110	9.1	5.6	6.9	8.1	3.6	4.0	24	10	13
30	>1100	18	27	7.5	5.9	6.5	4.6	3.6	3.9	24	7.3	9.1
31	---	---	---	9.3	5.5	6.4	8.2	3.8	4.2	---	---	---
MAX	1100	53	140	920	44	110	370	19	72	940	44	130
MIN	12	6.6	8.3	7.5	3.6	4.6	4.6	3.6	3.9	7.1	3.5	4.2

> Actual value is known to be greater than the value shown

ALTAMAHA RIVER BASIN
2004 Water Year

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°39'44", long 84°05'03", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, 0.5 mile north of Goddard Road, 4.3 miles south of Lithonia, 2.5 miles east of Arabia Mountain, and 3.5 miles west of Interstate 20.

DRAINAGE AREA.—8.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—January 16, 2003 to current year.

REMARKS.— Medium code 9 is a surface water sample and 1 is a suspended sediment sample. Hydrologic condition codes represent the stage present during the sample; 9 is for normal, stable stage, 8 is rising , 7 is the peak, 5 is falling, and 4 is for a low, stable stage. Two types of samples are represented in this table, 9 is a regular sample and H is a composite ISCO storm sample. Hydrologic event code 9 is for a routine sample and J represents the ISCO composite storm samples. Four different sampler types were used at this site, 3044 is a US DH-81, 3052 is a US DH-95, 3070 is a grab sample, and 4115 is a automatic point sampler or an ISCO. Sampling method code 10 is for an equal width increment (EWI) sample, 25 for a timed interval sample, 50 for a point sample, and 70 for a grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory, Denver, CO. Laboratory chemical analyses of biological oxygen demand (BOD-5) during the period of October through September analyzed by the U.S. Geological Survey, Ocala Water-Quality Laboratory and are stored under the analyzing agency code 80020. BOD-5 samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratory, Denver, CO, and are stored under analyzing agency code 80855. Laboratory sediment analyses with analyzing agency code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory, Atlanta, GA. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

ALTAMAHA RIVER BASIN
2004 Water Year

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	End date	Time	End time	Medium code	Hydro-logic condi-tion	Sample type	Hydro-logic event	Sampler type, code (84164)	Sam-pling method, code (82398)	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
20...	--	0800	--	9	9	9	9	3070	10	80020	1.28	2.1	63
DEC													
10-10	20031210	0730	2000	9	8	H	J	4115	25	80020	--	--	48
16...	--	0940	--	9	5	9	9	3070	10	80020	1.82	7.5	54
JAN													
15...	--	1120	--	9	9	9	9	3070	10	80020	1.84	8.0	59
FEB													
12...	--	0920	--	9	8	9	J	3052	10	80020	3.37	121	29
MAR													
11...	--	0910	--	9	9	9	9	3070	10	80020	1.90	9.4	51
MAR													
11-11	20040311	0920	0940	9	9	9	9	3070	10	80020	1.90	9.4	51
MAR													
30-31	20040331	0600	0500	9	8	H	J	4115	50	80020	--	--	63
APR													
08...	--	0840	--	9	9	9	9	3070	10	80020	1.68	4.7	58
14...	--	0800	--	9	5	9	9	3044	10	80020	2.05	15	50
APR 30-													
MAY 02	20040502	2220	1650	9	8	H	J	4115	50	80020	--	--	59
27...	--	1240	--	9	9	9	9	3070	70	80020	1.31	2.5	67
JUN													
07-10	20040610	1320	0730	9	8	H	J	4115	50	80020	--	--	--
JUL													
01...	--	0940	--	9	5	9	9	3052	10	80020	3.10	104	38
15...	--	0950	--	9	9	9	9	3070	10	80020	1.37	3.9	73
AUG													
05...	--	1030	--	9	9	9	9	3070	10	80020	2.21	33	75
AUG													
05-06	20040806	1845	0930	9	8	H	J	4115	50	80020	--	--	53
AUG													
12-13	20040813	0420	0700	9	8	H	J	4115	50	80020	--	--	40
12...	--	0720	--	9	8	9	9	3044	10	80020	2.54	47	49
12...	--	0810	--	9	8	9	9	3044	10	80020	2.70	70	37
24...	--	0900	--	9	4	9	9	3070	10	80020	1.18	1.5	73
SEP													
07...	--	1430	--	9	7	H	9	3052	10	80020	3.20	113	32
07...	--	1431	--	9	7	9	9	3052	10	80855	3.20	113	32
07...	--	1432	--	1	7	9	9	3052	10	81350	3.20	113	32
SEP													
16-17	20040917	1800	0900	9	8	H	J	4115	50	80020	--	--	29
SEP													
16-17	20040917	1801	0901	9	8	H	J	4115	50	80855	--	--	29
SEP													
16-17	20040917	1802	0902	1	8	H	J	4115	50	81350	--	--	29

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA—continued.

Date	pH, water, unfltrd field, std units (00400)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	COD, high level, water, unfltrd mg/L (00340)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
20...	6.7	13.8	5.7	741	8.7	86	--	.8	5.09	1.32	--	--	.194
DEC													
10-10	6.9	--	85	--	--	--	10	1.8	3.65	.819	27	50	--
16...	6.8	5.9	15	742	11.2	92	--	1.6	3.68	1.35	--	--	.489
JAN													
15...	6.6	8.5	8.5	743	11.6	102	--	.4	3.03	.709	--	--	.329
FEB													
12...	6.9	7.1	220	741	12.0	99	10	1.9	1.63	.306	27	100	.211
MAR													
11...	6.4	8.1	11	748	11.3	98	--	1.0	3.85	.793	--	--	.402
MAR													
11-11	6.4	8.1	11	748	11.3	98	<10	.9	3.86	1.07	32	<10	.309
MAR													
30-31	7.6	--	34	--	--	--	20	3.2	3.23	.778	45	17d	.336
APR													
08...	6.6	15.1	7.6	729	8.8	91	--	.9	4.09	1.22	--	--	.211
14...	6.6	11.1	16	732	9.8	93	--	.5	3.07	.743	--	--	.175
APR 30-													
MAY 02	7.4	--	50	--	--	--	10	--	2.52	.972	42	57d	.451
27...	6.5	23.1	12	742	7.6	91	--	--	--	--	--	--	--
JUN													
07-10	--	--	--	--	--	--	10	--	3.55	.844	50	39	.166
JUL													
01...	6.4	23.1	550	744	7.3	87	20	2.1	2.83	.610	37	96d	.199
15...	6.5	24.8	7.1	744	7.1	88	<10	.7	5.43	1.21	60	<10	.330
AUG													
05...	6.7	24.1	6.9	740	7.2	89	--	<2.0	6.01	1.39	--	--	.433
AUG													
05-06	7.2	--	110	--	--	--	--	--	3.99	.771	50	117d	.415
AUG													
12-13	6.9	--	140	--	--	--	20	3.9	2.97	.617	40	78d	.163
12...	6.3	22.4	160	740	7.5	89	--	12.0	4.35	.759	--	--	.361
12...	6.2	22.5	260	743	7.8	93	--	4.1	3.08	.551	--	--	.291
24...	6.7	23.0	3.7	746	6.7	78	--	<2.0	6.40	1.33	--	--	.285
SEP													
07...	6.5	22.5	140	730	7.8	94	--	--	2.36	.448	--	--	.109
07...	6.5	22.5	140	730	7.8	94	--	2.1	--	--	--	--	--
07...	6.5	22.5	140	730	7.8	94	--	--	--	--	--	--	--
SEP													
16-17	6.5	--	570	--	--	--	30	--	2.00	.453	26	102	.118
SEP													
16-17	6.5	--	570	--	--	--	--	2.4	--	--	--	--	--
SEP													
16-17	6.5	--	570	--	--	--	--	--	--	--	--	--	--

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA—continued.

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Sus-pended sedi-ment concen-tration mg/L (80154)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT													
20...	.22	.021	<.006	.013	3.2	--	E.3n	E.06n	.7	E1.4	<.1	3	90
DEC													
10-10	--	--	--	--	5.9	<.04	.9	.15	4.1	--	--	58	53
16...	--	.080	E.003n	--	2.5	--	E.4n	E.06n	1.8	1.2d	<.1d	4	71
JAN													
15...	.21	.077	<.006	.009	2.3	--	E.4n	<.08	1.5	E.5d	<.1d	1	63
FEB													
12...	.53	.053	<.006	.117	6.0	<.04	.9	.20	4.1	E1.0	E.2	187	56
MAR													
11...	.29	.066	E.003n	.034	2.9	--	E.4n	E.06n	3.4	E.8d	<.1d	7	73
MAR													
11-11	.29	.073	<.006	.011	2.8	<.04	.6	<.08	2.0	--	--	--	--
MAR													
30-31	.41	.100	<.006	.026	6.8	<.04	1.2	E.07n	4.1	--	--	26	65
APR													
08...	.26	.064	<.006	.013	3.2	--	.4	E.04n	.9	.7d	<.1d	2	79
14...	.33	.096	<.006	.016	3.6	--	.6	.10	2.4	1.0d	<.1d	10	56
APR 30-													
MAY 02	.59	.014	.007	.132	7.4	<.04	.8	E.06n	1.7	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	E.5d	<.1d	--	--
JUN													
07-10	.41	.034	<.006	E.04noc	6.5	E.02n	1.0	<.08	2.9	--	--	--	--
JUL													
01...	.70	.035	<.006	.120	9.9	<.04	1.2	.30	3.8	E3.1d	E.2d	138	88
15...	.34	.086	<.006	.015	4.0	<.04	.5	.08	.9	--	--	4	80
AUG													
05...	.29	.055	<.006	.016	3.9	--	.5	E.07n	.7	1.3d	<.1d	5	80
AUG													
05-06	.91	.140	<.006	.131	11.8	<.04	1.3	.17	2.9	--	--	155	85
AUG													
12-13	.52	.018	<.006	.078	8.2	<.04	1.4	.22	2.6	--	--	208	35
12...	.70	.092	E.005n	.114	9.7	--	9.6	.39	3.4	2.8d	E.6d	148	89
12...	.92	.064	.008	.151	10.4	--	10.6	.37	3.5	2.1d	E.5d	233	80
24...	.28	.026	<.006	.015	4.2	--	.5	<.08	E.6n	E.5d	<.1d	2	69
SEP													
07...	.51	<.010	E.003n	.089	8.6	--	1.3	.27	2.9	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	114	62
SEP													
16-17	.86	E.006n	<.006	.20oc	13.1	<.04	5.0	.27	2.1	--	--	--	--
SEP													
16-17	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
16-17	--	--	--	--	--	--	--	--	--	--	--	2910	12

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

Value qualifier codes used in this table:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
m -- Value is highly variable by this method
n -- Below the LRL and above the LT-MDL
o -- Result determined by alternate method

ALTAMAHA RIVER BASIN
2004 Water Year

02204122 HONEY CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°38'41", long 84°05'08", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, approximately 2.4 miles east of Klondike, GA

DRAINAGE AREA.—11.4 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.— Invertebrates: June 2, 2003 and August 3, 2004. Fishes: June 22, 2003 and September 29, 2004.

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 180 meters. Abbreviations: sp.-species, mm- millimeters, g-grams.

Invertebrates

	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Veneroida		
Corbiculidae		
Corbicula fluminea	7	4
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Nais behningi		
Nais communis	2	
Slavina appendiculata		1
Lumbriculida		
Lumbriculidae	12	1
ARTHROPODA		
Crustacea		
Ostracoda	1	
Copepoda	2	
Amphipoda		
Talitridae		
Hyalella azteca	2	
Decapoda		
Cambaridae		
Procambarus sp.	5	
Insecta		
Ephemeroptera		
Baetidae		2
Baetis intercalaris	1	
Centroptilum sp.		1
Pseudocloeon sp.	1	1
Ephemerellidae	1	
Heptageniidae	2	
Stenonema sp.		3
Stenonema modestum	38	
Isonychiidae		

02204122 HONEY CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

	Abundance	
	Multi-habitat	Visual
Isonychia sp.	2	
Odonata		
Aeshnidae		
Boyeria vinosa	2	
Calopterygidae		
Calopteryx sp.	2	2
Coenagrionidae		
Argia sp.	1	
Cordulegastridae		
Cordulegaster sp.	2	
Gomphidae	1	
Gomphus sp.		
Progomphus obscurus	2	3
Plecoptera		
Perlidae	1	
Hemiptera		
Gerridae		
Rheumatobates sp.		4
Trepobates sp.		1
Megaloptera		
Corydalidae		
Nigronia serricornis	1	
Trichoptera		
Brachycentridae		
Micrasema sp.		
Hydropsychidae	4	
Ceratopsyche sparna		
Cheumatopsyche sp.	11	2
Hydropsyche sp.		
Hydropsyche betteni gp.	22	
Hydroptilidae		
Hydroptila sp.		1
Coleoptera		
Elmidae		
Ancyronyx variegata	1	
Macronychus glabratus		1
Gyrinidae		
Dineutus sp.	1	2
Hydrophilidae	1	
Diptera		
Ceratopogonidae		
Chironomidae	4	
Ablabesmyia mallochi	32	
Ablabesmyia rhamphe gp.	1	
Brillia flavifrons	1	
Conchapelopia sp.	12	1
Cricotopus sp.	1	
Cricotopus bicinctus	4	1
Dicrotendipes neomodestus	6	7
Microtendipes pedellus gp.		1
Nilotanypus sp.	1	
Paratendipes sp.	3	
Polypedilum flavum	3	
Polypedilum illinoense	13	
Rheocricotopus robacki	10	1
Rheotanytarsus sp.	4	2
Tanytarsus sp.	9	3
Tribelos sp.	81	
Zavrelia sp.	1	
Simuliidae		
Simulium sp.	14	2
Tipulidae		
Antocha sp.	1	1
Tipula sp.	1	

Fishes

Scientific Name	Common Name	Count	Total Length, mm	Weight, g
Ameiurus brunneus	snail bullhead	1	73	4.7
Ameiurus brunneus	snail bullhead	1	135	26.0
Ameiurus brunneus	snail bullhead	1	210	103.0
Etheostoma inscriptum	turquoise darter	1	56	2.0

02204122 HONEY CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length, mm	Weight, g
Etheostoma inscriptum	turquoise darter	1	45	0.9
Etheostoma inscriptum	turquoise darter	1	56	1.7
Etheostoma inscriptum	turquoise darter	1	42	0.7
Etheostoma inscriptum	turquoise darter	1	33	0.6
Etheostoma inscriptum	turquoise darter	1	35	1.2
Gambusia affinis	western mosquitofish	1	35	0.4
Lepomis auritus	redbreast sunfish	1	150	54.0
Lepomis auritus	redbreast sunfish	1	125	34.0
Lepomis auritus	redbreast sunfish	1	161	73.0
Lepomis auritus	redbreast sunfish	1	135	36.0
Lepomis auritus	redbreast sunfish	1	150	52.0
Lepomis auritus	redbreast sunfish	1	170	72.0
Lepomis auritus	redbreast sunfish	1	57	3.1
Lepomis auritus	redbreast sunfish	1	124	32.0
Lepomis auritus	redbreast sunfish	1	59	3.4
Lepomis gulosus	warmouth	1	123	38.0
Lepomis gulosus	warmouth	1	100	16.0
Lepomis macrochirus	bluegill	1	40	0.8
Lepomis macrochirus	bluegill	1	45	1.2
Lepomis macrochirus	bluegill	1	84	8.7
Lepomis macrochirus	bluegill	1	64	3.6
Lepomis macrochirus	bluegill	1	45	1.4
Lepomis macrochirus	bluegill	1	50	1.8
Lepomis macrochirus	bluegill	1	56	1.6
Lepomis macrochirus	bluegill	1	50	1.6
Lepomis macrochirus	bluegill	1	120	26.0
Lepomis macrochirus	bluegill	1	48	1.2
Lepomis macrochirus	bluegill	1	71	6.1
Lepomis macrochirus	bluegill	1	50	1.6
Lepomis macrochirus	bluegill	1	58	2.4
Lepomis macrochirus	bluegill	1	51	1.3
Lepomis macrochirus	bluegill	1	64	3.6
Lepomis macrochirus	bluegill	1	48	2.4
Lepomis macrochirus	bluegill	1	6.2	3.2
Lepomis macrochirus	bluegill	1	99	14.3
Lepomis macrochirus	bluegill	1	75	5.9
Lepomis macrochirus	bluegill	1	80	7.1
Lepomis macrochirus	bluegill	1	80	7.6
Lepomis macrochirus	bluegill	1	50	1.7
Lepomis macrochirus	bluegill	1	40	0.9
Lepomis macrochirus	bluegill	1	45	1.3
Lepomis macrochirus	bluegill	1	51	1.6
Lepomis macrochirus	bluegill	1	105	16.0
Lepomis macrochirus	bluegill	1	120	26.0
Lepomis macrochirus	bluegill	1	89	9.6
Lepomis macrochirus	bluegill	1	95	13.6
Lepomis macrochirus	bluegill	1	113	22.0
Lepomis macrochirus	bluegill	53	batch	288.0
Lepomis microlophus	redear sunfish	1	74	5.1
Micropterus salmoides	largemouth bass	1	54	1.7
Micropterus salmoides	largemouth bass	1	74	4.6
Micropterus salmoides	largemouth bass	1	65	2.9
Micropterus salmoides	largemouth bass	1	85	6.8
Micropterus salmoides	largemouth bass	1	68	3.5
Nocomis leptocephalus	bluehead chub	1	40	0.4
Nocomis leptocephalus	bluehead chub	1	114	15.8
Nocomis leptocephalus	bluehead chub	1	80	5.6
Nocomis leptocephalus	bluehead chub	1	40	0.4
Nocomis leptocephalus	bluehead chub	1	160	43.0
Nocomis leptocephalus	bluehead chub	1	48	0.8
Nocomis leptocephalus	bluehead chub	1	178	70.0
Nocomis leptocephalus	bluehead chub	1	125	22.0
Nocomis leptocephalus	bluehead chub	1	44	0.6
Nocomis leptocephalus	bluehead chub	1	125	23.0
Nocomis leptocephalus	bluehead chub	1	145	32.0
Nocomis leptocephalus	bluehead chub	1	122	24.0
Nocomis leptocephalus	bluehead chub	1	141	37.0
Nocomis leptocephalus	bluehead chub	1	96	12.0
Nocomis leptocephalus	bluehead chub	1	141	30.0
Nocomis leptocephalus	bluehead chub	1	138	29.0
Nocomis leptocephalus	bluehead chub	1	141	34.0
Nocomis leptocephalus	bluehead chub	1	128	19.0
Nocomis leptocephalus	bluehead chub	1	42	0.8
Nocomis leptocephalus	bluehead chub	1	110	15.0
Nocomis leptocephalus	bluehead chub	1	158	38.0
Nocomis leptocephalus	bluehead chub	1	152	40.0

02204122 HONEY CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length, mm	Weight, g
Nocomis leptocephalus	bluehead chub	1	60	2.2
Notropis longirostris	longnose shiner	1	48	0.5
Notropis longirostris	longnose shiner	1	60	1.5
Notropis longirostris	longnose shiner	1	68	2.5
Notropis longirostris	longnose shiner	1	68	2.4
Notropis longirostris	longnose shiner	1	61	2.0
Notropis longirostris	longnose shiner	1	65	2.4
Notropis longirostris	longnose shiner	1	55	1.6
Notropis longirostris	longnose shiner	1	45	1.2
Notropis longirostris	longnose shiner	1	46	1.1
Notropis lutipinnis	yellowfin shiner	1	38	0.5
Notropis lutipinnis	yellowfin shiner	1	39	0.5
Notropis lutipinnis	yellowfin shiner	1	30	0.2
Notropis lutipinnis	yellowfin shiner	1	48	1.0
Notropis lutipinnis	yellowfin shiner	1	31	0.5
Notropis lutipinnis	yellowfin shiner	1	38	0.4
Notropis lutipinnis	yellowfin shiner	1	40	0.6
Notropis lutipinnis	yellowfin shiner	1	40	0.4
Notropis lutipinnis	yellowfin shiner	1	36	0.2
Notropis lutipinnis	yellowfin shiner	1	40	0.2
Notropis lutipinnis	yellowfin shiner	1	48	0.6
Notropis lutipinnis	yellowfin shiner	1	75	3.7
Notropis lutipinnis	yellowfin shiner	1	56	1.6
Notropis lutipinnis	yellowfin shiner	1	60	1.9
Notropis lutipinnis	yellowfin shiner	1	55	1.4
Notropis lutipinnis	yellowfin shiner	1	50	0.9
Notropis lutipinnis	yellowfin shiner	1	48	0.6
Notropis lutipinnis	yellowfin shiner	1	46	1.7
Notropis lutipinnis	yellowfin shiner	1	48	0.6
Notropis lutipinnis	yellowfin shiner	1	38	0.1
Notropis lutipinnis	yellowfin shiner	1	46	0.8
Notropis lutipinnis	yellowfin shiner	1	40	0.1
Notropis lutipinnis	yellowfin shiner	1	49	0.2
Notropis lutipinnis	yellowfin shiner	1	46	0.9
Notropis lutipinnis	yellowfin shiner	1	80	5.0
Notropis lutipinnis	yellowfin shiner	1	41	0.6
Notropis lutipinnis	yellowfin shiner	1	48	0.9
Notropis lutipinnis	yellowfin shiner	1	35	0.2
Notropis lutipinnis	yellowfin shiner	1	40	0.4
Notropis lutipinnis	yellowfin shiner	1	40	0.2
Notropis lutipinnis	yellowfin shiner	34	batch	38.0

022041275 UNNAMED TRIBUTARY TO HONEY CREEK NEAR CONYERS, GA

LOCATION.—Lat 33°35'37", long 84°03'15", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 2.3 miles south east of the intersection of GA 212 and GA 138.

DRAINAGE AREA.—Not available.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—August 4, 2004 (Invertebrates) and September 23, 2004 (Fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 500 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Veneroida		
Corbiculidae		
Corbicula fluminea	3	3
ANNELIDA		
Oligochaeta		
Haplotaxida		
Tubificidae w.o.h.c.	4	
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Procambarus sp.	2	
Insecta		
Ephemeroptera		
Baetidae		
Pseudocloeon sp.	1	
Heptageniidae		
Stenonema sp.	2	
Odonata		
Aeshnidae		
Boyeria vinosa	3	
Gomphidae		
Gomphus sp.	3	
Plecoptera		
Perlidae		
Acroneuria abnormis	1	
Hemiptera		
Gerridae		
Aquarius sp.		2
Veliidae		
Rhagovelia obesa		1
Trichoptera		
Hydropsychidae		

022041275 UNNAMED TRIBUTARY TO HONEY CREEK NEAR CONYERS, GA —continued.

	Abundance Multi-habitat Visual
Cheumatopsyche sp.	1
Diptera	
Chironomidae	1
Ablabesmyia mallochi	2
Conchapelopia sp.	1
Paratendipes sp.	4
Polypedilum fallax	1
Rheotanytarsus sp.	1
Stenochironomus sp.	1
Tribelos sp.	11
Tipulidae	
Tipula sp.	1

Fishes

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Campostoma pauciradii	bluefin stoneroller	1	30	0.4
Campostoma pauciradii	bluefin stoneroller	1	78	4.0
Campostoma pauciradii	bluefin stoneroller	1	71	3.3
Campostoma pauciradii	bluefin stoneroller	1	78	4.4
Campostoma pauciradii	bluefin stoneroller	1	24	0.4
Campostoma pauciradii	bluefin stoneroller	1	78	4.3
Ericymba buccata	silverjaw minnow	1	60	2.1
Ericymba buccata	silverjaw minnow	1	74	3.5
Ericymba buccata	silverjaw minnow	1	45	9.7
Ericymba buccata	silverjaw minnow	1	70	3.4
Ericymba buccata	silverjaw minnow	1	40	0.6
Ericymba buccata	silverjaw minnow	1	51	1.1
Ericymba buccata	silverjaw minnow	1	40	0.7
Ericymba buccata	silverjaw minnow	1	65	2.2
Ericymba buccata	silverjaw minnow	1	80	2.5
Ericymba buccata	silverjaw minnow	1	40	0.6
Lepomis auritus	redbreast sunfish	1	70	1.6
Lepomis auritus	redbreast sunfish	1	73	5.9
Moxostoma sp.	undetermined	1	52	1.3
Moxostoma sp.	undetermined	1	41	0.8
Moxostoma sp.	undetermined	1	41	0.8
Moxostoma sp.	undetermined	1	44	0.7
Nocomis leptocephalus	bluehead chub	1	44	1.0
Nocomis leptocephalus	bluehead chub	1	56	2.1
Nocomis leptocephalus	bluehead chub	1	65	3.1
Nocomis leptocephalus	bluehead chub	1	33	0.3
Nocomis leptocephalus	bluehead chub	1	45	0.9
Nocomis leptocephalus	bluehead chub	1	50	1.4
Nocomis leptocephalus	bluehead chub	1	42	0.9
Nocomis leptocephalus	bluehead chub	11	batch	49.6
Nocomis leptocephalus	bluehead chub	1	48	1.1
Nocomis leptocephalus	bluehead chub	1	50	1.2
Nocomis leptocephalus	bluehead chub	1	30	0.3
Nocomis leptocephalus	bluehead chub	1	80	5.9
Nocomis leptocephalus	bluehead chub	1	90	10.0
Nocomis leptocephalus	bluehead chub	1	122	23.4
Nocomis leptocephalus	bluehead chub	1	68	3.5
Nocomis leptocephalus	bluehead chub	1	44	0.8
Nocomis leptocephalus	bluehead chub	1	70	3.2
Nocomis leptocephalus	bluehead chub	1	75	5.2
Nocomis leptocephalus	bluehead chub	1	73	3.7
Nocomis leptocephalus	bluehead chub	1	78	1.6
Nocomis leptocephalus	bluehead chub	1	55	1.2
Nocomis leptocephalus	bluehead chub	1	100	10.5
Nocomis leptocephalus	bluehead chub	1	70	3.4
Nocomis leptocephalus	bluehead chub	1	80	5.7
Nocomis leptocephalus	bluehead chub	1	54	1.5
Nocomis leptocephalus	bluehead chub	1	81	6.8
Nocomis leptocephalus	bluehead chub	1	60	2.5
Nocomis leptocephalus	bluehead chub	1	68	3.7
Nocomis leptocephalus	bluehead chub	1	85	8.2

022041275 UNNAMED TRIBUTARY TO HONEY CREEK NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Nocomis leptocephalus	bluehead chub	1	70	41.0
Nocomis leptocephalus	bluehead chub	1	85	8.3
Nocomis leptocephalus	bluehead chub	1	53	1.8
Nocomis leptocephalus	bluehead chub	1	55	1.6
Nocomis leptocephalus	bluehead chub	1	152	44.0
Nocomis leptocephalus	bluehead chub	1	65	2.0
Nocomis leptocephalus	bluehead chub	1	96	11.0
Nocomis leptocephalus	bluehead chub	1	40	0.6
Nocomis leptocephalus	bluehead chub	1	42	0.7
Nocomis leptocephalus	bluehead chub	1	83	6.8
Nocomis leptocephalus	bluehead chub	1	80	5.9
Nocomis leptocephalus	bluehead chub	1	45	0.8
Notropis lutipinnis	yellowfin shiner	78	batch	77.0
Notropis lutipinnis	yellowfin shiner	1	43	0.6
Notropis lutipinnis	yellowfin shiner	1	55	1.1
Notropis lutipinnis	yellowfin shiner	1	62	2.0
Notropis lutipinnis	yellowfin shiner	1	48	0.9
Notropis lutipinnis	yellowfin shiner	1	60	2.1
Notropis lutipinnis	yellowfin shiner	1	30	0.2
Notropis lutipinnis	yellowfin shiner	1	58	1.8
Notropis lutipinnis	yellowfin shiner	1	48	0.9
Notropis lutipinnis	yellowfin shiner	1	45	0.7
Notropis lutipinnis	yellowfin shiner	1	33	0.3
Notropis lutipinnis	yellowfin shiner	1	60	2.1
Notropis lutipinnis	yellowfin shiner	1	56	1.5
Notropis lutipinnis	yellowfin shiner	1	58	1.5
Notropis lutipinnis	yellowfin shiner	1	27	0.2
Notropis lutipinnis	yellowfin shiner	1	55	1.6
Notropis lutipinnis	yellowfin shiner	1	30	0.2
Notropis lutipinnis	yellowfin shiner	1	40	0.6
Notropis lutipinnis	yellowfin shiner	1	35	0.3
Notropis lutipinnis	yellowfin shiner	1	55	1.3
Notropis lutipinnis	yellowfin shiner	1	30	0.2
Notropis lutipinnis	yellowfin shiner	1	40	0.6
Notropis lutipinnis	yellowfin shiner	1	35	0.3
Notropis lutipinnis	yellowfin shiner	1	55	1.3
Notropis lutipinnis	yellowfin shiner	1	30	0.2
Notropis lutipinnis	yellowfin shiner	1	51	1.3
Notropis lutipinnis	yellowfin shiner	1	47	0.9
Notropis lutipinnis	yellowfin shiner	1	55	1.5
Notropis lutipinnis	yellowfin shiner	1	50	1.2
Notropis lutipinnis	yellowfin shiner	1	40	0.3
Notropis lutipinnis	yellowfin shiner	1	38	0.4
Notropis lutipinnis	yellowfin shiner	1	52	1.4
Notropis lutipinnis	yellowfin shiner	1	67	2.7
Notropis lutipinnis	yellowfin shiner	1	31	0.2
Notropis lutipinnis	yellowfin shiner	1	38	0.5
Notropis lutipinnis	yellowfin shiner	20	batch	21.0
Notropis lutipinnis	yellowfin shiner	23	batch	29.0
Notropis lutipinnis	yellowfin shiner	20	batch	16.0
Semotilus sp.	unidentified chub	1	42	0.9
Semotilus sp.	unidentified chub	1	42	0.9
Semotilus sp.	unidentified chub	1	28	0.3
Semotilus sp.	unidentified chub	1	41	0.7
Semotilus sp.	unidentified chub	1	56	2.0
Semotilus sp.	unidentified chub	1	44	0.9
Semotilus sp.	unidentified chub	1	35	0.4
Semotilus sp.	unidentified chub	1	40	0.7
Semotilus sp.	unidentified chub	1	95	9.0
Semotilus sp.	unidentified chub	1	34	0.4
Semotilus sp.	unidentified chub	1	111	17.0
Semotilus sp.	unidentified chub	1	36	0.5
Semotilus sp.	unidentified chub	1	87	8.3
Semotilus sp.	unidentified chub	1	44	10.0
Semotilus sp.	unidentified chub	1	38	0.5
Semotilus sp.	unidentified chub	1	35	0.4
Semotilus sp.	unidentified chub	1	33	0.3
Semotilus sp.	unidentified chub	1	34	0.4
Semotilus sp.	unidentified chub	1	36	0.5
Semotilus sp.	unidentified chub	1	25	0.2
Semotilus sp.	unidentified chub	1	35	0.5
Semotilus sp.	unidentified chub	1	40	0.7
Semotilus sp.	unidentified chub	1	30	0.3
Semotilus sp.	unidentified chub	1	35	0.4
Semotilus sp.	unidentified chub	1	41	0.8
Semotilus sp.	unidentified chub	1	36	0.4

022041275 UNNAMED TRIBUTARY TO HONEY CREEK NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Semotilus sp.	unidentified chub	1	33	0.4
Semotilus sp.	unidentified chub	1	28	0.3
Semotilus sp.	unidentified chub	1	58	2.5
Semotilus sp.	unidentified chub	1	36	0.3
Semotilus sp.	unidentified chub	1	38	0.3
Semotilus sp.	unidentified chub	1	40	0.8
Semotilus sp.	unidentified chub	1	40	0.7

ALTAMAHA RIVER BASIN
2004 Water Year

02204129 McCLANE CREEK DS TROUPE SMITH ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°34'45", long 84°02'45", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, 1000 feet downstream of culvert on Troupe Smith Road, 1.0 miles upstream of Honey Creek, 0.7 miles north of GA 212.

DRAINAGE AREA.—3.40 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 19, 2002 to current year.

REMARKS.— Medium code 9 is a surface water sample and 1 is a suspended sediment sample. Hydrologic condition codes represent the stage present during the sample; 9 is for normal, stable stage, 5 is falling, and 4 is for a low, stable stage. Sample type 9 is a regular sample. Hydrologic event code 9 is for a routine sample. Four different sampler types were used at this site, 3001 is a US DH-48 sediment sampler, 3044 is a US DH-81, 3070 is a grab sample, and 3080 is a voc hand sampler. Sampling method code 10 is for an equal width increment (EWI) sample, 30 is a sample from a single vertical, 50 for a point sample, and 70 for a grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory, Denver, CO. Laboratory chemical analyses of biological oxygen demand (BOD-5) during the period of October through September analyzed by the U.S. Geological Survey, Ocala Water-Quality Laboratory and are stored under the analyzing agency code 80020. BOD-5 samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratory, Denver, CO, and are stored under analyzing agency code 80855. Laboratory sediment analyses with analyzing agency code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory, Atlanta, GA. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

ALTAMAHA RIVER BASIN
2004 Water Year

02204129 McCLANE CREEK DS TROUPE SMITH ROAD, NEAR CONYERS, GA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydro-logic condi-tion	Sample type	Hydro-logic event	Sampler type, code (84164)	Sam-pling method, code (82398)	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper-ature, water, deg C (00010)
OCT													
14...	1010	9	9	9	9	3070	10	80020	.86	2.2	155	6.8	19.0
NOV													
12...	1035	9	9	9	9	3080	50	80020	.86	2.5	203	6.8	14.2
DEC													
08...	1200	9	9	9	9	3070	10	80020	.83	2.9	118	7.0	7.4
JAN													
12...	0955	9	9	9	9	3070	10	80020	.78	3.0	157	6.7	5.2
FEB													
09...	1000	9	9	9	9	3070	10	80020	.84	4.8	108	7.0	7.1
MAR													
08...	1020	9	9	9	9	3070	10	80020	.72	3.8	120	6.1	11.1
APR													
12...	0935	9	9	9	9	3070	30	80020	.68	3.1	80	6.8	15.8
13...	1110	9	5	9	9	3070	10	80020	.81	6.6	84	6.5	15.8
MAY													
12...	1210	9	9	9	9	3070	30	80020	.62	2.2	158	6.9	19.7
JUN													
08...	1250	9	4	9	9	3070	10	80020	.62	2.3	150	7.0	21.0
JUL													
14...	0905	9	9	9	9	3070	10	80020	.58	1.8	135	7.3	24.0
AUG													
10...	0900	9	9	9	9	3070	10	80020	.58	1.7	150	7.0	20.9
17...	1000	9	9	9	9	3070	10	80855	.58	1.7	141	6.8	20.9
25...	1115	9	4	9	9	3070	10	80020	.54	1.3	195	7.4	23.0
SEP													
07...	1215	9	5	9	9	3044	10	80020	2.47	77	44	6.5	23.0
07...	1216	9	5	9	9	3044	10	80855	2.47	77	44	6.5	23.0
07...	1217	1	5	9	9	3001	10	81350	2.47	77	44	6.5	23.0
14...	1000	9	9	9	9	3070	70	80020	.78	2.5	199	7.2	20.8

Date	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)
OCT													
14...	9.2	740	7.9	88	1.5	6.12	1.98	2.44d	.79	.344d	.468d	.57oc	4.2
NOV													
12...	10	748	9.1	90	--	--	--	--	--	--	--	--	--
DEC													
08...	29	746	11.9	101	3.2	4.99	1.91	.367	2.9	2.21doc	.437d	.60oc	5.2
JAN													
12...	16	753	12.7	101	--	4.86	1.73	2.05d	.61	.229	.343d	.42oc	4.0
FEB													
09...	27	752	12.0	100	1.1	4.28	2.47	1.60d	.45	.120	.182	.26oc	2.7
MAR													
08...	11	746	10.9	101	1.2	5.14	3.45	1.35d	.40	.110	.182	.23oc	2.4
APR													
12...	11	730	8.8	93	--	--	--	--	--	--	--	--	--
13...	43	731	8.5	89	1.0	3.91	2.59	.760	.63	.184	.168	.25oc	4.9
MAY													
12...	13	746	8.2	92	--	--	--	--	--	--	--	--	--
JUN													
08...	17	750	8.3	95	<.1	5.31	4.98	2.29d	.90	.363d	.508d	.59oc	5.0
JUL													
14...	9.5	744	7.5	92	1.5	6.88	5.91	1.64d	1.3	.772d	.766d	.84oc	4.1
AUG													
10...	8.6	743	7.7	88	<2.0	6.27	5.54	2.13d	.80	.354d	.789d	.81oc	4.5
17...	10	745	7.6	87	2.4	5.57	3.56	.754	1.0	.636d	.352d	.39oc	3.5
25...	10	747	7.4	85	2.6	7.12	7.03	1.48d	1.4	.860d	1.00doc	1.06oc	4.3
SEP													
07...	320	734	7.6	92	--	2.92	.917	.370	1.1	.059	.012	.19oc	14.9
07...	320	734	7.6	92	3.4	--	--	--	--	--	--	--	--
07...	320	734	7.6	92	--	--	--	--	--	--	--	--	--
14...	12	749	8.0	91	--	--	--	--	--	--	--	--	--

02204129 McCLANE CREEK DS TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	Bromo-benzene water unfltrd ug/L (81555)	Chloro-benzene water unfltrd ug/L (34301)	Ethyl-benzene water unfltrd ug/L (34371)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)
OCT													
14...	2.8	<.08	9.3	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
NOV													
12...	--	--	--	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
DEC													
08...	2.4	E.08n	6.3	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
JAN													
12...	3.2	E.06n	10.1	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
FEB													
09...	1.4	E.06n	6.8	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
MAR													
08...	.9	E.04n	5.6	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
APR													
12...	--	--	--	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
13...	.7	<.08	3.5	--	--	--	--	--	--	--	--	--	--
MAY													
12...	--	--	--	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
JUN													
08...	1.2	E.06n	7.7	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
JUL													
14...	1.5	E.05n	12.9	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
AUG													
10...	1.4	E.05n	11.5	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2
17...	2.3	.53	5.1	--	--	--	--	--	--	--	--	--	--
25...	1.1	<.08	8.9	--	--	--	--	--	--	--	--	--	--
SEP													
07...	1.5	.16	2.8	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	<2.5	<.1	<.2	<.2	<.2	<.1	<.1	<.1	<.2	<.2

Date	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	sec-Butyl-benzene water unfltrd ug/L (77350)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tri-bromo-methane water unfltrd ug/L (32104)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tri-chloro-methane water unfltrd ug/L (32106)	Iso-propyl-benzene water unfltrd ug/L (77223)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	CFC-113 water unfltrd ug/L (77652)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)
OCT													
14...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	1.6	<.2	<.2	<.1	<.1	<.2
NOV													
12...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.2
DEC													
08...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.2
JAN													
12...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	1.4	<.2	<.2	<.1	<.1	<.2
FEB													
09...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.2
MAR													
08...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	1.5	<.2	<.2	<.1	<.1	<.2
APR													
12...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	.1	<.2	<.2	<.1	<.1	<.2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	1.6	<.2	<.2	<.1	<.1	<.2
JUN													
08...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	.5	<.2	<.2	<.1	<.1	<.2
JUL													
14...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	.8	<.2	<.2	<.1	<.1	<.2
AUG													
10...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.1	<.1	<.2	<.2	<.2	<.2	<.2	1.5	<.2	<.2	<.1	<.1	<.2

02204129 McCLANE CREEK DS TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	Chloro-ethane, water, unfltrd ug/L (34311)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)
OCT													
14...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	.6	<.2	<.2mc
NOV													
12...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.1	<.2	<.2mc
DEC													
08...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.1	<.2	<.2mc
JAN													
12...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	.5	<.2	<.2mc
FEB													
09...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.1	<.2	<.2mc
MAR													
08...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	.5	<.2	<.2mc
APR													
12...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.1	<.2	<.2mc
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	.7	<.2	<.2mc
JUN													
08...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.1	<.2	<.2mc
JUL													
14...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	.3	<.2	<.2mc
AUG													
10...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.1	<.2	<.2mc
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.2	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2	.4	<.2	<.2mc

Date	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Bromo-methane water unfltrd ug/L (34413)	Chloro-methane water unfltrd ug/L (34418)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-methane water unfltrd ug/L (34423)	Naphth-alene, water, unfltrd ug/L (34696)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	Dibromo chloro-propane water unfltrd ug/L (82625)	1,1-Di-chloro-propene water unfltrd ug/L (77168)
OCT													
14...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
NOV													
12...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
DEC													
08...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
JAN													
12...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
FEB													
09...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
MAR													
08...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
APR													
12...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
JUN													
08...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
JUL													
14...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
AUG													
10...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.2	<.5	<.2

02204129 McCLANE CREEK DS TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Styrene water unfltrd ug/L (77128)	Toluene water unfltrd ug/L (34010)	2-Chlorotoluene water unfltrd ug/L (77275)	4-Chlorotoluene water unfltrd ug/L (77277)	Vinyl chloride, water, unfltrd ug/L (39175)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	Xylenes water unfltrd ug/L (81551)	Dibenzo-[a,h]-anthracene, wat unf ug/L (34556)
OCT													
14...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<1
NOV													
12...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<2
DEC													
08...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<2
JAN													
12...	<.2	<.2	<.1	<.2	<.1	.4	<.2	<.2	<.2	<.2	<.1	<.2	<2
FEB													
09...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<2
MAR													
08...	<.2	<.2	<.1	<.2	<.1	.2	<.2	<.2	<.2	<.2	<.1	<.2	<2
APR													
12...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<2
JUN													
08...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<2
JUL													
14...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<2
AUG													
10...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<2

Date	Chrysene, water, unfltrd ug/L (34320)	Bis(2-chloroisopropyl) ether, wat unf ug/L (34283)	2,4-Dimethylphenol, water, unfltrd ug/L (34606)	2-Methyl-4,6-dinitrophenol, wat unf ug/L (34657)	4-Bromophenyl phenyl ether, wat unf ug/L (34636)	4-Chlorophenyl phenyl ether, wat unf ug/L (34641)	9H-Fluorene, water, unfltrd ug/L (34381)	Acenaphthene, water, unfltrd ug/L (34205)	Acenaphthylene, water, unfltrd ug/L (34200)	Anthracene, water, unfltrd ug/L (34220)	Benzo-[a]-anthracene, water, unfltrd ug/L (34526)	Hexachlorobenzene water unfltrd ug/L (39700)	Nitrobenzene water unfltrd ug/L (34447)
OCT													
14...	M	<2	<2.0	<2mc	<2	<2	Mt	Mt	<2	Mt	<2	<2	<1
NOV													
12...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
DEC													
08...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
JAN													
12...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
FEB													
09...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
MAR													
08...	Mt	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
APR													
12...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
JUN													
08...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
JUL													
14...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
AUG													
10...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	<2.0	<2mc	<2	<1	<1	<2	<2	<2	<2	<1	<1

02204129 McCLANE CREEK DS TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	Benzidine, water, unfltrd ug/L (39120)	3,3'-Dichlorobenzidine, water, unfltrd ug/L (34631)	Benzo-[a]-pyrene, water, unfltrd ug/L (34247)	Benzo-[b]-fluoranthene water unfltrd ug/L (34230)	Benzo-[g,h,i]-perylene, water, unfltrd ug/L (34521)	Benzo-[k]-fluoranthene water unfltrd ug/L (34242)	Bis(2-chloroethyl) ether, water, unfltrd ug/L (34273)	Hexachlorocyclopentadiene, wat unf ug/L (34386)	N-NItroso-di-n-propylamine, wat unf ug/L (34428)	N-NItroso-dimethylamine, wat unf ug/L (34438)	N-NItroso-diphenylamine, wat unf ug/L (34433)	Hexachloroethane, water, unfltrd ug/L (34396)	Fluoranthene water unfltrd ug/L (34376)
OCT													
14...	<1000mc	<.9mc	Mt	Mt	<2	<1	<2	<1mc	<2	<3	<2mc	<2mc	Mt
NOV													
12...	<1000mc	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1
DEC													
08...	<1000mc	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1
JAN													
12...	<1000mc	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1
FEB													
09...	<1000mc	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1
MAR													
08...	<1000mc	<.9mc	<1	Mt	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	Mt
APR													
12...	<1000mc	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	<1000mc	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1
JUN													
08...	<1000mc	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1
JUL													
14...	<1000mc	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1
AUG													
10...	--u	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--u	<.9mc	<1	<2	<2	<1	<1	<1mc	<2	<2	<2mc	<2mc	<1

Date	1,2-Diphenylhydrazine, water, unfltrd ug/L (82626)	Indeno-[1,2,-3-cd]-pyrene, water, unfltrd ug/L (34403)	Isophorone water unfltrd ug/L (34408)	4-Chloro-3-methylphenol, wat unf ug/L (34452)	Bis(2-chloroethoxy) methane water unfltrd ug/L (34278)	2-Chloronaphthalene, water, unfltrd ug/L (34581)	Phenanthrene, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)	2,4,6-Trichlorophenol, water, unfltrd ug/L (34621)	2,4-Dichlorophenol, water, unfltrd ug/L (34601)	2,4-Dinitrophenol, water, unfltrd ug/L (34616)	2-chlorophenol, water, unfltrd ug/L (34586)	2-nitrophenol, water unfltrd ug/L (34591)
OCT													
14...	<1	<3	<2	<3	<3	<2	Mt	E.2t	Mt	Mt	<3	Mt	<1
NOV													
12...	<2	<2	<2	<2	<1	<1	<1	E1.0n	Mt	<2	<3	<1	<1
DEC													
08...	<2	<2	<2	<2	<1	<1	<1	E.7t	Mt	<2	<3	<1	<1
JAN													
12...	<2	<2	<2	<2	<1	<1	<1	<1.6	Mt	<2	<3	<1	<1
FEB													
09...	<2	<2	Mt	<2	<1	<1	<1	<1.6	<1	<2	<3	<1	<1
MAR													
08...	<2	<2	Mt	<2	<1	<1	Mt	E.2t	Mt	Mt	<3	<1	<1
APR													
12...	<2	<2	Mt	<2	<1	<1	<1	E2.6	<1	<2	<3	<1	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	<2	<2	<2	<2	<1	<1	<1	<1.6	Mt	<2	<3	<1	<1
JUN													
08...	<2	<2	<2	<2	<1	<1	<1	<1.6	<1	<2	<3	<1	<1
JUL													
14...	<2	<2	<2	<2	<1	<1	<1	E.5t	Mt	<2	<3	<1	<1
AUG													
10...	<2	<2	<2	<2	<1	<1	<1	<1.6	<1	<2	<3	<1	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<2	<2	<2	<2	<1	<1	<1	<1.6	<1	<2	<3	<1	<1

02204129 McCLANE CREEK DS TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	4-Nitro-phenol, water, unfltrd ug/L (34646)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Bis(2-ethyl-hexyl) phthal-ate, wat unf ug/L (39100)	Benzyl n-butyl phthal-ate, water, unfltrd ug/L (34292)	Di-n-butyl phthal-ate, water, unfltrd ug/L (39110)	Di-ethyl phthal-ate, water, unfltrd ug/L (34336)	Di-methyl phthal-ate, water, unfltrd ug/L (34341)	Di-n-octyl phthal-ate, water, unfltrd ug/L (34596)	Pyrene, water, unfltrd ug/L (34469)	2,4-Di-nitro-toluene water unfltrd ug/L (34611)	2,6-Di-nitro-toluene water unfltrd ug/L (34626)	Aldrin, water, unfltrd ug/L (39330)	Chlor-dane, tech-nical, water, unfltrd ug/L (39350)
OCT													
14...	<4mc	<2mc	Mt	<2	<2	<2	<1	Mt	Mt	<3	<2	<.001	<.1
NOV													
12...	<2mc	<2mc	<2	<2	<2	Mt	<1	<2	<2	<1	<2	<.001	<.1
DEC													
08...	<2mc	<2mc	<2	<2	Mt	<2	<1	<2	<2	<1	<2	<.001	<.1
JAN													
12...	<2mc	<2mc	<2	<2	<2	<2	<1	<2	<2	<1	<2	<.001	<.1
FEB													
09...	<2mc	<2mc	<2	<2	<2	<2	<1	<2	<2	<1	<2	<.001	<.1
MAR													
08...	<2mc	<2mc	<2	<2	<2	<2	Mt	<2	Mt	<1	<2	<.001	<.1
APR													
12...	<2mc	<2mc	<2	<2	<2	<2	<1	<2	<2	<1	<2	<.001	<.1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	<2mc	<2mc	<2	<2	<2	<2	<1	<2	<2	<1	<2	<.001	<.1
JUN													
08...	<2mc	<2mc	<2	<2	<2	<2	<1	<2	<2	<1	<2	<.001	<.1
JUL													
14...	<2mc	<2mc	<2	<2	<2	<2	<1	<2	<2	<1	<2	<.001	<.1
AUG													
10...	<2mc	<2mc	<2	<2	<2	<2	<1	<2	<2	<1	<2	<.001	<.1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<2mc	<2mc	<2	<2	<2	<2	<1	<2	<2	<1	<2	<.001	<.1

Date	Diel-drin, water, unfltrd ug/L (39380)	alpha-Endo-sulfan, water, unfltrd ug/L (39388)	Endrin, water, unfltrd ug/L (39390)	Hepta-chlor, water, unfltrd ug/L (39410)	Hepta-chlor epoxide water unfltrd ug/L (39420)	Lindane water, unfltrd ug/L (39340)	p,p'-Meth-oxy-chlor, water, unfltrd ug/L (39480)	Mirex, water, unfltrd ug/L (39755)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	PCBs, water, unfltrd ug/L (39516)	Toxa-phene, water, unfltrd ug/L (39400)
OCT													
14...	<.002	<.002	<.002	<.001	E.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
NOV													
12...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
DEC													
08...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
JAN													
12...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
FEB													
09...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
MAR													
08...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
APR													
12...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
JUN													
08...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
JUL													
14...	<.002	<.002	<.002	<.001	.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
AUG													
10...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	<1

02204129 McCLANE CREEK DS TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Sus-pended sedi-ment concen-tration mg/L (80154)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT				
14...	E1.8	<.1	7	80
NOV				
12...	--	--	--	--
DEC				
08...	1.4d	<.1d	4	87
JAN				
12...	E.5d	<.1d	4	66
FEB				
09...	E.9	E.2	12	66
MAR				
08...	1.4d	<.1d	4	91
APR				
12...	2.2d	E.3d	--	--
13...	4.8d	.5d	31	65
MAY				
12...	E.4d	<.1d	--	--
JUN				
08...	1.7d	E.4d	11	80
JUL				
14...	1.8d	E.2d	5	79
AUG				
10...	2.1d	E.3d	7	38
17...	--	--	4	91
25...	E1.2d	<.1d	5	91
SEP				
07...	--	--	--	--
07...	--	--	--	--
07...	--	--	693	43
14...	--	--	--	--

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this table:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   m -- Value is highly variable by this method
   n -- Below the LRL and above the LT-MDL
   o -- Result determined by alternate method
   t -- Below the long-term MDL

Null value qualifier codes used in this table:
   u -- Unable to determine-matrix interference

2004 Water Year

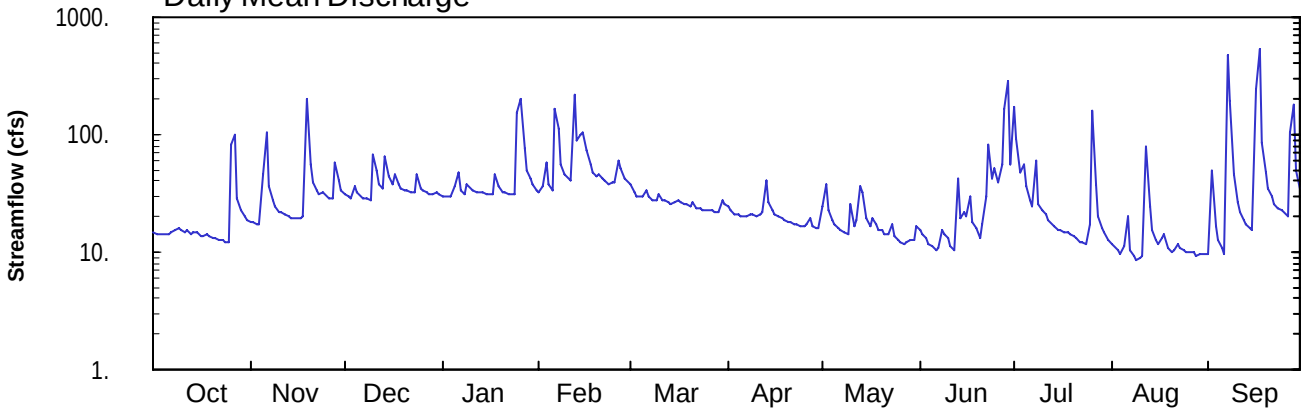
ALTAMAHA RIVER BASIN

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA

Latitude: 33°34'47" Longitude: 084°03'51" Hydrologic Unit Code: 03070103

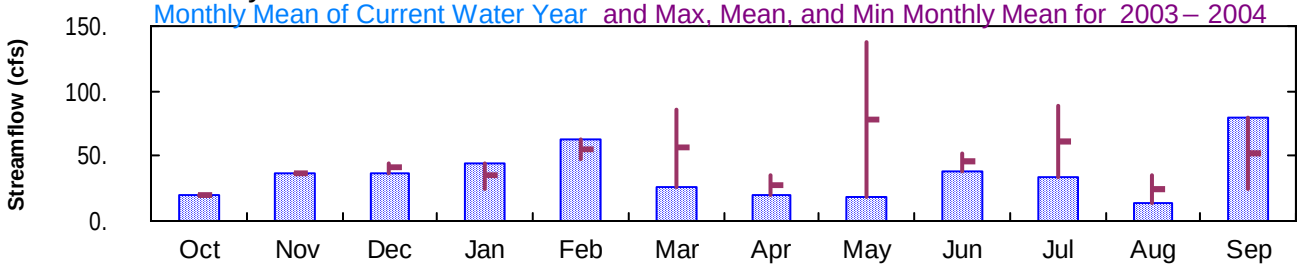
Rockdale County Datum: 618 feet Drainage Area: 26. mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2004 Water Year

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA

LOCATION.—Lat 33°34'47", long 84°03'51", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, on right downstream side of bridge on GA 212. 0.4 miles south of confluence with McClane Creek, and 10.3 miles southwest of Conyers.

DRAINAGE AREA.—26.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 2, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage 618.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

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

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 2, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage 618.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.14 feet, September 16; minimum gage-height recorded, 1.75 feet, June 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 2, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0* DATUM 618 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	18	31	30	32	38	25	24	16	172	12	e9.8
2	14	18	29	30	37	32	22	38	e14	92	11	e50
3	14	17	28	30	57	30	21	23	e13	47	11	17
4	14	17	36	30	38	30	21	18	12	55	9.8	13
5	14	47	33	36	33	29	20	17	11	36	11	11
6	14	103	30	47	165	33	20	16	10	28	20	9.5
7	15	36	29	33	113	30	20	15	11	25	10	479
8	15	28	28	31	55	28	21	15	15	59	9.2	191
9	16	24	28	37	45	28	21	14	e14	26	8.5	45
10	15	22	67	36	42	31	20	26	e13	22	8.9	27
11	15	22	49	33	40	28	21	16	11	21	9.4	22
12	15	21	37	33	222	27	22	18	10	19	79	19
13	14	20	35	32	89	26	41	36	42	17	25	17
14	15	19	65	32	98	26	26	32	19	17	16	16
15	15	19	43	32	102	26	22	19	22	16	13	15
16	13	19	37	31	74	28	21	17	20	16	12	246
17	13	20	47	31	55	26	20	19	30	15	13	531
18	14	20	38	46	48	25	20	17	18	15	14	86
19	14	202	35	36	44	25	19	16	16	14	11	47
20	13	57	34	33	46	25	18	15	13	14	9.9	35
21	13	39	33	32	42	26	18	14	17	13	10	30
22	13	34	32	32	40	24	18	14	30	12	12	26
23	13	31	32	31	38	24	17	17	82	12	11	24
24	12	32	46	31	40	23	17	14	42	12	11	23
25	12	31	35	153	39	22	16	13	52	17	10	22
26	81	28	33	201	61	22	17	12	39	162	10	20
27	98	29	32	75	52	22	20	12	56	37	9.8	102
28	29	59	31	50	43	22	17	12	169	20	9.4	178
29	23	41	31	42	40	22	16	13	285	16	9.8	49
30	20	33	33	37	---	27	16	13	56	15	9.8	34
31	19	---	31	34	---	25	---	17	---	13	e9.8	---
TOTAL	620	1106	1128	1397	1830	830	613	562	1158	1055	426.3	2394.3
MEAN	20.0	36.9	36.4	45.1	63.1	26.8	20.4	18.1	38.6	34.0	13.8	79.8
MAX	98	202	67	201	222	38	41	38	285	172	79	531
MIN	12	17	28	30	32	22	16	12	10	12	8.5	9.5
MED	14	28	33	33	45	26	20	16	17	17	11	26
AC-FT	1230	2190	2240	2770	3630	1650	1220	1110	2300	2090	846	4750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	20.0	36.9	40.6	34.5	55.1	56.5	27.6	78.0	45.5	61.6	24.8	52.0
MAX	20.0	36.9	44.9	45.1	63.1	86.2	34.8	138	52.3	89.1	35.8	79.8
(WY)	2004	2004	2003	2004	2004	2003	2003	2003	2003	2003	2003	2004
MIN	20.0	36.9	36.4	23.9	46.9	26.8	20.4	18.1	38.6	34.0	13.8	24.3
(WY)	2004	2004	2004	2003	2003	2004	2004	2004	2004	2004	2004	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	19069		13119.6			
ANNUAL MEAN	52.2		35.8		35.8	
HIGHEST ANNUAL MEAN					35.8	2004
LOWEST ANNUAL MEAN					35.8	2004
HIGHEST DAILY MEAN	936	May 6	531	Sep 17	936	May 6 2003
LOWEST DAILY MEAN	12	Oct 24	8.5	Aug 9	8.5	Aug 9 2004
ANNUAL SEVEN-DAY MINIMUM	13	Oct 19	9.8	Aug 26	9.8	Aug 26 2004
MAXIMUM PEAK FLOW			1250	Sep 16	1550	Jul 1 2003
MAXIMUM PEAK STAGE			8.14	Sep 16	8.51	Jul 1 2003
ANNUAL RUNOFF (AC-FT)	37820		26020		25970	
10 PERCENT EXCEEDS	79		56		56	
50 PERCENT EXCEEDS	32		24		24	
90 PERCENT EXCEEDS	18		12		12	

e Estimated

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0* DATUM 618 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.87	1.99	2.22	2.18	2.44	2.55	2.21	2.23	1.97	4.26	1.96	---
2	1.87	1.98	2.18	2.17	2.54	2.43	2.14	2.54	---	3.42	1.94	---
3	1.86	1.97	2.15	2.17	2.92	2.38	2.12	2.19	---	2.72	1.92	2.12
4	1.87	1.96	2.34	2.17	2.56	2.36	2.11	2.06	1.85	2.87	1.89	1.98
5	1.86	2.46	2.26	2.31	2.48	2.35	2.08	2.01	1.82	2.50	1.93	1.91
6	1.86	3.48	2.19	2.56	3.88	2.43	2.08	1.99	1.79	2.31	2.20	1.87
7	1.89	2.45	2.16	2.25	3.69	2.35	2.09	1.96	1.81	2.25	1.91	5.91
8	1.90	2.25	2.15	2.20	2.91	2.30	2.10	1.94	1.96	2.90	1.87	4.36
9	1.91	2.16	2.14	2.34	2.74	2.30	2.10	1.93	---	2.27	1.84	2.78
10	1.90	2.11	2.89	2.30	2.67	2.37	2.08	2.25	---	2.17	1.86	2.35
11	1.89	2.10	2.62	2.25	2.63	2.30	2.11	1.99	1.82	2.14	1.88	2.18
12	1.90	2.08	2.36	2.23	4.64	2.27	2.12	2.04	1.79	2.07	3.11	2.11
13	1.87	2.06	2.32	2.21	3.44	2.25	2.55	2.50	2.57	2.02	2.35	2.06
14	1.88	2.03	2.92	2.20	3.55	2.24	2.24	2.41	2.09	2.01	2.09	2.03
15	1.88	2.03	2.50	2.20	3.62	2.24	2.14	2.09	2.16	1.97	2.00	2.01
16	1.84	2.03	2.36	2.19	3.23	2.27	2.09	2.01	2.10	1.97	1.96	3.48
17	1.84	2.04	2.57	2.19	2.93	2.24	2.07	2.08	2.35	1.94	2.00	6.17
18	1.87	2.05	2.38	2.52	2.81	2.21	2.05	2.03	2.03	1.95	2.05	3.30
19	1.85	4.39	2.32	2.31	2.73	2.20	2.03	1.97	1.98	1.92	1.93	2.70
20	1.83	2.76	2.28	2.23	2.76	2.19	2.01	1.96	1.88	1.91	1.89	2.47
21	1.82	2.41	2.26	2.20	2.69	2.23	2.00	1.92	2.01	1.88	1.91	2.36
22	1.82	2.29	2.24	2.20	2.64	2.17	1.99	1.93	2.24	1.86	1.96	2.27
23	1.81	2.23	2.24	2.19	2.58	2.15	1.98	2.02	3.24	1.85	1.93	2.21
24	1.80	2.24	2.54	2.18	2.59	2.14	1.97	1.90	2.60	1.84	1.92	2.19
25	1.80	2.21	2.30	3.78	2.58	2.14	1.95	1.88	2.63	1.92	1.91	2.17
26	2.77	2.15	2.25	4.47	2.97	2.14	1.99	1.86	2.56	4.09	1.91	2.12
27	3.34	2.17	2.23	3.14	2.82	2.14	2.06	1.84	2.64	2.59	1.89	3.16
28	2.28	2.81	2.21	2.78	2.65	2.14	1.96	1.86	4.18	2.22	1.88	4.29
29	2.13	2.43	2.20	2.64	2.60	2.13	1.94	1.88	4.99	2.10	1.89	2.78
30	2.06	2.27	2.24	2.55	---	2.27	1.97	1.87	2.90	2.06	1.89	2.48
31	2.02	---	2.20	2.48	---	2.22	---	2.00	---	1.99	---	---
MEAN	1.97	2.32	2.33	2.44	2.94	2.26	2.08	2.04	---	2.32	---	---
MAX	3.34	4.39	2.92	4.47	4.64	2.55	2.55	2.54	---	4.26	---	---
MIN	1.80	1.96	2.14	2.17	2.44	2.13	1.94	1.84	---	1.84	---	---

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0* DATUM 618 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.23	0.00	1.10
2	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.14	0.00	0.03	0.00	0.48
3	0.00	0.00	0.08	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	1.64	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
6	0.02	0.01	0.01	0.00	1.32	0.20	0.00	0.00	0.00	0.02	0.00	0.48
7	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.29	0.00	3.92
8	0.02	0.00	0.00	0.04	0.00	0.00	0.09	0.00	0.01	0.01	0.00	0.03
9	0.00	0.00	0.00	0.22	0.00	0.11	0.00	0.00	0.00	0.01	0.00	0.00
10	0.00	0.00	0.90	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.01
11	0.01	0.00	0.00	0.01	0.20	0.00	0.06	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.03	0.00	0.20	1.13	0.06	0.00	1.48	0.00
13	0.00	0.00	0.34	0.00	0.00	0.00	0.47	0.28	0.09	0.00	0.00	0.00
14	0.02	0.00	0.38	0.00	0.63	0.00	0.00	0.00	0.10	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.24	0.00	0.00	0.00
16	0.00	0.00	0.03	0.00	0.01	0.05	0.00	0.00	0.54	0.00	0.00	3.25
17	0.06	0.02	0.22	0.31	0.00	0.00	0.00	0.00	0.10	0.01	0.03	0.13
18	0.00	0.37	0.00	0.19	0.00	0.00	0.00	0.13	0.01	0.00	0.00	0.00
19	0.00	1.41	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.00
21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.75	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.58	0.00	0.00	0.00
23	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00
24	0.00	0.13	0.01	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	2.10	0.29	0.00	0.00	0.00	0.14	1.62	0.00	0.00
26	3.68	0.01	0.00	0.11	0.26	0.00	0.23	0.00	0.00	0.49	0.00	0.00
27	0.01	0.46	0.00	0.01	0.29	0.00	0.01	0.00	1.27	0.73	0.00	2.49
28	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.15	1.52	0.00	0.00	0.01
29	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.31	0.00
30	0.00	0.00	0.04	0.00	---	0.32	0.36	0.00	0.22	0.00	0.01	0.00
31	0.00	---	0.00	0.00	---	0.16	---	0.25	---	0.00	0.00	---
TOTAL	3.85	4.45	2.69	3.53	4.95	0.88	1.42	2.65	7.77	3.47	2.20	11.90

ALTAMAHA RIVER BASIN
2004 Water Year

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA

LOCATION.—Lat 33°34'47", long 84°03'51", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, 2.5 miles north of the Rockdale/Henry County line, miles south of Conyers, and 2.5 miles west of GA 20.

DRAINAGE AREA.—26.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIOD OF DAILY RECORD.—January 11, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: January 11, 2003 to current year.
WATER TEMPERATURE: January 11, 2003 to current year.
TURBIDITY: January 11, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Water temperature records are good, specific conductance records are fair, and turbidity records are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 120 microsiemens, September 19, 2004; minimum recorded, 22 microsiemens, March 20, 2003.
WATER TEMPERATURE: Maximum recorded, 25.5°C, July 14, 2004; minimum recorded, 0.6°C, January 24, 2003.
TURBIDITY: Maximum recorded, >1,100 NTU, on several days during the 2003 and 2004 water years; minimum recorded, 2.9 NTU, October 25, 2003.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 120 microsiemens, September 19; minimum recorded, 34 microsiemens, July 1.
WATER TEMPERATURE: Maximum recorded, 25.5°C, July 14; minimum recorded, 3.4°C, December 21, January 11, 29.
TURBIDITY: Maximum recorded, >1,100 NTU, October 26, June 25; minimum recorded, 2.9 NTU, October 25.

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	71	68	69	74	68	71	63	62	63	60	58	59
2	71	69	69	74	69	71	65	63	64	60	60	60
3	72	69	70	73	70	71	65	64	65	61	60	60
4	73	68	71	73	69	71	65	61	63	61	59	60
5	74	71	72	74	53	66	65	61	62	61	56	60
6	74	71	72	59	53	56	64	61	62	56	53	54
7	73	69	71	64	58	61	66	63	64	57	55	56
8	71	69	70	68	64	65	67	64	65	57	57	57
9	72	69	70	68	65	66	66	63	64	57	55	56
10	72	70	71	68	66	67	64	55	59	57	56	56
11	72	68	70	67	66	66	56	54	55	57	56	56
12	72	70	71	68	66	67	58	56	57	59	56	57
13	73	70	72	69	67	68	59	58	59	57	56	57
14	74	71	73	70	68	69	59	54	56	58	56	57
15	74	72	73	70	67	68	57	54	55	58	57	58
16	74	73	73	70	67	69	58	57	57	58	58	58
17	74	73	73	70	68	68	58	55	56	58	57	58
18	73	70	71	73	65	67	57	55	56	58	55	56
19	74	71	72	68	46	52	57	56	56	59	56	57
20	75	72	73	57	53	56	58	57	57	58	56	57
21	74	71	72	61	57	59	59	58	58	57	57	57
22	74	73	73	63	60	62	59	58	58	58	57	57
23	75	72	73	64	63	63	59	58	58	58	57	57
24	74	72	72	65	62	63	58	54	56	59	57	58
25	74	71	72	66	62	64	57	56	57	59	51	55
26	75	50	68	66	63	64	59	57	58	53	52	52
27	58	51	54	65	60	63	59	58	59	55	52	53
28	63	58	61	61	54	57	59	57	58	55	54	55
29	66	63	64	61	56	58	59	58	59	56	55	56
30	68	66	67	63	61	62	59	57	58	57	56	56
31	70	67	68	---	---	---	60	59	59	58	56	57
MONTH	75	50	70	74	46	64	67	54	59	61	51	57

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	58	57	57	59	51	53	64	61	62	72	63	67
2	58	54	57	56	54	55	65	63	64	72	59	62
3	57	53	54	57	53	56	67	64	65	66	63	64
4	56	55	55	58	56	56	67	64	65	69	66	67
5	57	56	56	58	57	57	67	65	66	71	68	69
6	57	46	52	59	57	57	67	64	65	73	69	71
7	56	50	54	60	59	59	66	65	66	75	72	73
8	58	56	57	60	58	59	66	64	65	78	71	74
9	57	56	56	60	58	59	67	64	65	79	74	76
10	56	54	54	60	57	58	67	64	66	77	62	66
11	56	55	55	60	58	59	68	65	66	71	67	69
12	57	55	56	61	58	59	67	65	66	72	62	69
13	---	---	---	59	58	59	67	59	62	69	60	64
14	---	---	---	60	58	59	61	58	59	65	58	62
15	---	---	---	61	59	59	63	61	61	69	64	66
16	---	---	---	60	59	59	65	62	63	73	67	69
17	---	---	---	60	59	60	67	64	65	74	66	70
18	---	---	---	61	59	60	68	65	66	86	60	70
19	---	---	---	61	60	61	68	65	66	72	61	70
20	---	---	---	62	59	60	68	65	66	75	70	73
21	---	---	---	62	59	60	69	61	67	79	73	75
22	---	---	---	61	60	61	71	67	69	79	73	76
23	---	52	---	61	60	60	75	68	69	78	69	72
24	61	52	54	61	60	61	72	68	70	80	75	77
25	68	54	57	63	61	61	73	68	70	83	76	80
26	59	51	55	64	62	63	76	67	73	85	79	81
27	58	52	54	66	62	64	70	66	69	87	81	84
28	57	51	52	67	63	65	71	69	70	88	81	84
29	57	50	52	67	64	65	72	69	70	86	76	82
30	---	---	---	66	61	63	72	68	71	87	81	84
31	---	---	---	66	64	65	---	---	---	88	74	81
MONTH	---	---	---	67	51	60	76	58	66	88	58	72

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	80	77	78	55	34	43	81	76	79	109	62	85
2	78	74	76	58	50	54	83	79	80	67	49	61
3	82	76	78	---	---	---	83	76	79	66	62	64
4	80	75	77	---	---	---	83	78	80	71	65	67
5	83	76	79	62	49	55	85	69	80	74	69	71
6	87	79	82	67	61	63	75	57	65	81	72	75
7	87	70	82	68	65	67	76	69	72	81	35	48
8	77	70	74	68	49	57	80	74	76	64	52	55
9	77	72	74	74	61	67	82	76	78	69	58	62
10	84	76	78	76	73	74	82	77	79	69	59	63
11	86	79	82	81	76	78	81	76	78	70	66	68
12	88	80	84	85	81	82	81	38	55	74	69	71
13	84	55	67	88	84	85	56	44	50	77	72	74
14	71	67	69	88	86	87	63	56	59	77	75	76
15	76	67	69	87	81	84	69	62	64	78	75	77
16	77	69	71	82	74	78	71	66	68	78	36	67
17	77	64	67	79	74	76	72	59	67	46	39	43
18	75	70	72	77	74	76	69	62	65	55	46	49
19	79	74	76	78	75	76	75	69	70	120	53	82
20	83	77	79	77	73	75	77	73	75	83	74	79
21	83	67	76	78	73	75	92	71	77	86	70	78
22	78	58	71	78	74	76	81	73	78	79	67	70
23	88	59	72	83	78	79	81	74	77	82	64	71
24	91	68	77	84	78	81	76	73	74	65	62	63
25	75	58	70	92	61	85	76	72	74	63	61	62
26	73	63	70	71	59	65	76	72	73	65	62	63
27	73	54	67	68	63	65	76	72	74	71	---	---
28	73	58	67	71	64	67	78	72	75	---	---	---
29	87	63	78	76	71	74	97	73	76	59	---	---
30	81	53	57	76	71	73	78	72	74	62	59	60
31	---	---	---	79	74	76	87	72	74	---	---	---
MONTH	91	53	74	---	---	---	97	38	72	---	---	---

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.1	14.4	15.7	16.5	13.8	15.2	9.8	6.7	8.3	8.5	5.3	6.9
2	16.2	13.8	15.1	16.6	13.7	15.2	9.6	7.3	8.6	10.0	7.2	8.6
3	15.5	13.3	14.4	16.6	13.6	15.2	8.4	7.3	8.0	12.1	9.2	10.6
4	16.6	13.5	15.1	17.9	16.0	17.0	8.1	7.3	7.5	13.3	10.9	12.0
5	17.5	14.7	16.2	19.9	17.7	18.6	8.3	7.4	7.8	13.7	11.7	12.9
6	18.1	16.7	17.4	20.2	19.5	19.9	8.5	7.2	7.7	11.7	7.1	9.4
7	18.6	17.6	18.1	19.9	18.4	19.2	7.8	5.5	6.7	7.1	4.6	5.5
8	19.3	18.0	18.5	18.4	16.4	17.2	7.9	5.2	6.6	5.6	3.5	4.5
9	18.9	17.9	18.4	16.4	14.2	15.5	8.8	5.9	7.4	6.5	5.6	6.0
10	19.5	18.2	18.7	14.2	12.3	13.4	10.7	8.8	9.9	6.3	5.0	6.0
11	18.5	18.1	18.2	14.5	11.7	13.2	9.5	7.6	8.5	5.9	3.4	4.7
12	19.4	18.0	18.5	16.3	12.9	14.6	8.6	6.3	7.5	6.7	3.5	5.1
13	19.1	16.7	18.1	15.9	11.6	14.1	7.7	6.6	7.3	8.4	5.4	6.7
14	19.9	17.5	19.0	11.8	9.5	10.8	7.7	7.0	7.4	9.4	5.9	7.6
15	17.5	14.7	16.0	12.4	9.4	10.9	8.2	6.2	7.2	9.8	7.8	9.0
16	15.7	12.6	14.3	14.0	10.6	12.3	9.4	6.0	7.6	8.4	5.7	7.1
17	14.8	12.6	13.9	16.3	13.9	15.0	9.5	7.2	8.5	7.9	5.8	6.9
18	15.5	12.8	14.2	17.3	14.9	16.1	8.0	5.7	7.0	10.2	7.9	9.1
19	15.6	12.6	14.2	17.3	15.7	17.0	7.9	6.5	7.2	9.7	6.3	8.0
20	16.2	13.1	14.7	15.7	13.2	14.1	6.6	4.9	5.7	6.7	4.4	5.6
21	17.1	13.6	15.4	14.1	11.4	12.9	5.8	3.4	4.6	7.0	3.9	5.4
22	17.1	14.8	16.0	13.9	11.2	12.6	6.7	3.7	5.2	7.1	4.1	5.6
23	16.2	13.3	14.9	14.0	11.1	12.7	8.8	5.0	6.7	6.7	4.6	5.7
24	16.0	13.4	14.8	13.6	11.0	12.9	9.4	7.5	8.8	8.3	3.9	6.1
25	16.6	14.3	15.3	11.0	8.6	9.8	7.5	5.4	6.4	8.9	7.0	8.3
26	17.9	15.6	16.6	11.0	8.1	9.6	7.0	4.5	5.8	7.0	6.0	6.3
27	17.7	15.9	17.3	12.7	10.7	11.7	7.3	4.5	5.9	7.6	6.0	6.5
28	15.9	14.2	14.6	13.5	10.8	12.7	7.7	4.9	6.3	6.2	4.4	5.3
29	15.4	13.1	14.3	10.8	7.8	9.1	9.7	6.2	7.7	6.2	3.4	4.8
30	15.5	12.5	14.1	8.9	6.3	7.7	9.8	7.4	8.9	7.7	4.9	6.2
31	16.1	13.2	14.7	---	---	---	8.0	5.4	6.8	7.3	5.3	6.3
MONTH	19.9	12.5	16.0	20.2	6.3	13.9	10.7	3.4	7.3	13.7	3.4	7.1

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.4	5.1	6.3	13.0	8.5	10.6	14.7	10.1	12.3	18.9	17.5	18.1
2	6.7	5.6	6.1	14.8	11.7	13.1	15.3	10.1	12.6	19.5	17.4	18.7
3	7.8	5.4	6.4	16.0	12.6	14.3	16.6	10.7	13.6	17.4	14.4	15.8
4	7.8	5.1	6.4	16.5	13.8	15.1	15.9	11.3	13.4	15.8	12.3	14.2
5	7.0	6.5	6.7	16.3	14.1	15.2	15.9	10.3	13.0	17.3	12.8	15.2
6	8.1	6.6	7.3	17.5	15.1	16.1	16.7	10.7	13.7	19.2	15.0	17.1
7	8.1	7.1	7.7	16.5	12.8	14.6	16.8	11.7	14.3	20.0	15.8	17.9
8	7.1	5.6	6.5	13.9	11.1	12.4	17.5	13.8	15.5	20.5	16.3	18.4
9	7.6	6.1	6.7	11.9	9.0	10.6	18.3	13.2	15.6	20.8	17.6	19.2
10	8.5	6.2	7.3	12.4	8.5	10.4	17.3	12.3	15.1	20.6	19.0	19.8
11	8.9	8.1	8.5	12.7	7.7	10.2	17.1	14.6	16.0	20.8	18.7	19.7
12	8.8	7.8	8.2	13.5	9.0	11.2	17.9	15.7	16.5	20.7	18.9	19.6
13	9.3	8.0	8.4	13.4	8.8	11.1	15.9	12.3	14.7	20.9	19.7	20.3
14	9.4	9.1	9.2	14.8	10.4	12.6	14.4	11.1	12.5	20.8	19.8	20.4
15	9.4	9.2	9.3	16.0	13.2	14.5	16.0	10.6	13.2	21.0	18.6	19.8
16	9.2	8.3	8.7	17.0	14.2	15.2	17.1	11.5	14.4	20.8	18.8	19.9
17	8.9	8.1	8.5	15.8	12.0	13.6	18.0	12.8	15.4	21.7	19.4	20.5
18	9.0	7.6	8.2	14.2	10.5	12.5	18.9	13.9	16.4	21.1	19.3	20.2
19	9.2	7.4	8.2	17.1	11.3	14.1	19.3	14.7	17.0	21.4	19.2	20.2
20	9.5	8.2	8.8	17.0	12.5	14.7	19.3	15.7	17.5	21.9	19.1	20.5
21	10.9	9.5	10.1	16.7	12.6	15.1	18.4	16.0	17.3	22.5	19.8	21.2
22	10.7	8.8	9.7	13.6	9.6	11.5	19.3	15.0	17.2	22.3	20.5	21.4
23	10.3	8.3	9.5	13.0	7.7	10.3	19.6	15.9	17.7	22.8	20.0	21.3
24	10.3	9.4	9.9	---	8.5	---	20.0	16.1	18.1	22.1	19.2	20.8
25	10.3	8.8	9.7	16.4	---	---	20.7	17.1	18.9	23.1	20.5	21.6
26	8.9	6.0	6.9	18.1	12.4	15.1	19.0	16.4	18.0	23.5	20.5	21.9
27	8.0	6.3	7.1	18.5	13.1	15.7	17.4	14.5	15.9	23.3	20.3	21.7
28	9.7	5.8	7.7	19.3	13.6	16.4	16.7	12.6	14.8	22.9	21.1	21.8
29	10.3	6.5	8.5	18.4	15.5	16.5	17.5	14.0	15.8	22.0	21.0	21.5
30	---	---	---	18.6	14.7	16.4	17.9	16.9	17.4	22.9	20.3	21.6
31	---	---	---	15.8	12.1	14.1	---	---	---	22.3	20.9	21.8
MONTH	10.9	5.1	8.0	---	---	---	20.7	10.1	15.5	23.5	12.3	19.7

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.1	19.8	20.5	23.2	22.4	22.8	25.1	23.0	24.1	23.9	22.4	23.0
2	21.2	18.7	20.1	23.2	22.7	22.9	25.2	23.3	24.2	23.9	22.5	23.4
3	21.5	19.1	20.3	---	---	---	25.0	22.7	23.9	23.1	22.1	22.6
4	22.6	19.9	21.0	---	---	---	25.0	22.4	23.7	22.7	21.3	22.0
5	21.5	18.3	20.0	24.7	22.9	23.9	24.6	22.2	23.3	23.1	21.4	22.2
6	22.2	19.4	20.8	24.7	22.8	23.8	24.1	21.9	23.3	22.7	21.8	22.2
7	21.5	19.4	20.4	24.2	22.2	23.3	22.2	20.1	21.1	22.6	22.1	22.4
8	21.4	20.0	20.6	24.9	22.4	23.7	21.6	18.6	20.2	22.7	22.2	22.5
9	22.0	21.0	21.4	24.4	22.7	23.6	21.6	18.8	20.3	22.6	21.3	22.1
10	23.4	21.1	22.1	24.6	22.7	23.7	20.9	20.0	20.5	22.8	21.3	22.1
11	24.2	21.5	22.8	24.9	22.8	23.8	21.5	19.5	20.5	22.6	21.2	21.9
12	24.5	21.7	23.1	24.7	23.0	23.9	23.1	20.7	21.8	22.4	21.1	21.8
13	23.8	22.7	23.4	25.1	22.7	23.9	22.6	20.4	21.3	21.7	20.7	21.3
14	23.3	22.8	23.0	25.5	23.1	24.2	21.3	19.1	20.3	21.5	20.1	20.7
15	23.6	22.4	22.8	24.6	22.7	23.6	22.1	20.5	21.2	20.8	20.2	20.6
16	24.1	22.3	23.1	23.3	21.0	22.3	22.6	21.2	21.8	23.0	20.8	21.8
17	24.7	22.7	23.8	23.4	22.1	22.7	22.7	20.7	21.7	23.0	22.2	22.5
18	24.3	23.2	23.9	24.1	22.3	23.0	23.4	21.2	22.4	22.2	20.8	21.4
19	25.3	23.1	24.1	23.8	21.3	22.5	23.3	21.0	22.3	20.8	19.2	19.9
20	24.6	22.4	23.6	23.4	20.6	22.0	23.5	21.3	22.5	19.4	18.3	18.8
21	24.0	23.0	23.4	23.8	21.0	22.4	23.2	22.1	22.6	19.1	17.7	18.5
22	24.5	22.5	23.5	24.2	21.6	22.9	23.2	21.5	22.3	19.1	17.4	18.4
23	24.2	23.3	23.7	25.1	22.1	23.5	23.6	22.2	22.7	19.7	17.5	18.7
24	23.4	22.9	23.2	25.4	22.5	23.9	23.9	21.8	22.9	20.2	18.8	19.5
25	23.9	22.4	23.2	25.0	23.2	24.0	23.6	22.2	22.9	20.4	19.1	19.7
26	23.6	22.7	23.0	25.2	23.4	24.5	23.8	21.7	22.8	19.9	18.8	19.4
27	23.4	22.1	22.7	24.9	23.7	24.3	24.2	21.9	23.0	20.4	19.6	19.9
28	23.6	22.9	23.4	24.8	23.4	24.0	24.6	22.0	23.3	21.1	20.3	20.7
29	23.9	22.9	23.3	24.1	22.9	23.6	24.3	22.5	23.2	20.8	19.6	20.1
30	23.4	22.4	22.8	24.8	23.3	24.0	24.5	22.3	23.4	20.0	18.1	19.2
31	---	---	---	24.9	23.1	23.9	24.5	22.2	23.4	---	---	---
MONTH	25.3	18.3	22.4	---	---	---	25.2	18.6	22.4	23.9	17.4	21.0

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12	5.6	6.4	9.0	4.7	5.6	---	---	---	---	---	---
2	14	6.2	7.8	12	4.1	5.7	---	---	---	---	---	---
3	44	7.5	11	9.9	4.5	5.4	---	---	---	---	---	---
4	100	16	46	11	4.3	5.6	---	---	---	---	---	---
5	78	17	42	390	4.2	6.2	---	---	---	---	---	---
6	150	53	76	220	40	86	10	4.9	6.0	---	---	---
7	170	13	97	---	---	---	11	5.2	6.2	---	---	---
8	25	9.3	14	---	---	---	28	6.7	10	---	---	---
9	36	12	17	---	---	---	150	10	45	---	---	---
10	35	6.8	18	---	---	---	910	16	70	---	---	---
11	12	5.2	6.9	---	---	---	58	12	18	---	---	---
12	13	4.9	7.5	---	---	---	14	7.8	10	---	---	---
13	21	3.9	8.9	---	---	---	16	6.3	8.2	---	---	---
14	23	4.8	8.2	---	---	---	45	12	30	---	---	---
15	17	4.7	8.1	---	---	---	19	8.8	12	---	---	---
16	26	3.3	11	---	---	---	11	7.2	8.4	---	---	---
17	23	3.7	8.4	---	---	---	23	8.3	14	---	---	---
18	21	4.8	11	---	---	---	16	6.5	8.7	---	---	---
19	30	4.9	15	---	---	---	12	6.4	7.1	---	---	---
20	34	3.9	18	---	---	---	19	6.7	7.7	---	---	---
21	42	4.1	12	---	---	---	15	7.4	11	---	---	---
22	32	5.0	7.2	---	---	---	25	8.9	19	---	---	---
23	31	6.9	9.2	---	---	---	56	9.7	29	---	---	---
24	98	6.5	35	---	---	---	29	12	18	---	---	---
25	72	2.9	8.8	---	---	---	18	8.8	11	---	---	---
26	>1100	3.5	9.5	---	---	---	14	8.8	10	---	---	---
27	---	---	---	---	---	---	18	8.8	10	---	---	---
28	43	11	16	---	---	---	18	10	11	---	---	---
29	15	7.8	9.9	---	---	---	27	11	12	18	10	12
30	15	5.5	7.1	---	---	---	32	14	17	20	9.7	12
31	14	4.7	7.0	---	---	---	---	---	---	13	8.7	10
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown

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

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	16	7.5	9.5	---	---	---	180	6.7	22	79	15	28
2	51	9.4	11	12	3.3	9.1	21	6.0	8.9	280	18	52
3	63	16	29	17	8.6	11	120	6.8	20	44	10	20
4	19	9.8	12	20	9.2	12	18	5.6	7.3	38	8.0	12
5	12	8.1	9.4	16	8.3	11	18	5.7	7.6	21	6.8	8.6
6	950	7.8	39	24	11	16	16	8.2	10	27	6.5	8.7
7	62	9.7	16	17	9.2	12	17	6.9	11	17	6.3	8.3
8	12	8.2	9.4	16	8.1	9.9	19	8.3	11	19	7.0	8.5
9	9.9	8.5	9.0	16	7.2	8.8	44	10	14	20	6.0	8.6
10	11	8.2	9.7	17	7.6	9.4	26	4.9	7.7	130	10	38
11	8.5	6.3	7.1	14	6.8	8.1	49	7.0	10	27	9.0	13
12	---	---	---	14	6.8	8.0	47	16	22	250	7.7	10
13	---	---	---	21	6.5	7.8	---	---	---	140	22	42
14	---	---	---	21	6.8	8.1	---	---	---	110	18	40
15	---	---	---	16	7.1	8.6	---	---	---	24	11	14
16	---	---	---	20	8.3	9.8	---	---	---	18	8.8	12
17	---	---	---	20	6.8	9.0	---	---	---	40	14	17
18	---	---	---	14	6.9	8.7	---	---	---	300	11	17
19	---	---	---	16	6.6	8.8	19	5.3	7.9	22	9.0	13
20	---	---	---	18	7.2	9.1	24	5.7	8.2	20	8.3	11
21	---	---	---	16	7.8	10	20	5.1	7.9	17	8.7	11
22	---	---	---	12	6.0	8.2	28	5.3	8.3	23	9.6	12
23	---	---	---	13	5.7	6.9	24	5.2	8.2	33	9.9	16
24	---	---	---	11	6.1	7.3	39	5.5	7.9	16	8.5	11
25	---	---	---	---	---	---	20	5.6	8.8	30	8.1	11
26	---	---	---	---	---	---	16	7.3	9.5	30	7.4	11
27	---	---	---	---	---	---	24	6.1	9.0	18	7.2	10
28	---	---	---	---	---	---	16	4.9	6.9	19	7.9	11
29	---	---	---	---	---	---	14	4.6	6.8	18	7.9	11
30	---	---	---	---	---	---	38	5.5	7.7	18	8.2	11
31	---	---	---	---	---	---	---	---	---	66	9.5	22
MAX	---	---	---	---	---	---	---	---	---	300	22	52
MIN	---	---	---	---	---	---	---	---	---	16	6.0	8.3

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	29	10	14	---	---	---	---	---	---	280	3.1	7.3
2	17	7.7	11	---	---	---	---	---	---	920	62	130
3	13	7.6	9.7	---	---	---	7.9	3.4	4.4	130	17	42
4	14	7.3	9.7	---	---	---	7.7	3.0	4.5	110	10	18
5	14	4.2	9.2	---	---	---	300	3.4	5.0	24	3.9	5.3
6	13	7.5	8.8	---	---	---	160	17	49	12	3.2	4.6
7	76	7.5	10	59	10	15	20	6.5	9.7	---	---	---
8	53	14	18	940	38	88	14	4.2	5.7	---	---	---
9	34	16	21	55	15	26	8.5	3.5	4.9	---	---	---
10	23	9.5	14	32	12	16	9.8	3.8	5.5	24	13	16
11	22	8.0	11	24	12	16	11	3.4	4.7	20	9.2	12
12	22	8.2	11	19	9.7	13	540	4.2	220	14	7.1	9.5
13	680	20	130	35	9.2	13	220	35	86	19	6.8	8.7
14	66	24	32	26	8.6	11	93	12	36	82	6.6	9.2
15	230	20	38	16	6.9	9.6	36	8.9	11	56	5.8	8.2
16	680	16	24	23	6.5	9.8	34	6.8	8.8	830	7.0	14
17	900	31	72	18	7.8	9.6	52	5.9	8.9	---	---	---
18	38	16	22	40	7.2	9.5	26	9.0	15	---	---	---
19	44	13	18	28	6.8	9.5	18	4.2	8.0	---	---	---
20	44	9.3	14	23	6.8	9.0	15	3.4	5.2	---	---	---
21	310	9.9	16	30	5.6	8.0	30	3.3	6.0	---	---	---
22	110	17	36	11	5.4	7.4	27	8.5	12	---	---	---
23	---	---	---	13	5.5	7.4	18	5.9	8.7	---	---	---
24	270	37	96	100	6.0	12	16	3.7	6.0	---	---	---
25	>1100	19	31	1000	6.0	7.7	10	3.6	5.7	---	---	---
26	510	32	65	---	---	---	17	3.8	5.6	---	---	---
27	760	19	31	---	---	---	52	3.5	5.3	---	---	---
28	---	---	---	---	---	---	52	3.6	5.4	---	---	---
29	---	---	---	---	---	---	76	3.5	5.9	22	12	15
30	---	---	---	---	---	---	22	3.9	5.7	20	6.9	9.8
31	---	---	---	---	---	---	12	3.3	5.2	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown

ALTAMAHA RIVER BASIN
2004 Water Year

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA

LOCATION.—Lat 33°34'47", long 84°03'51", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit Code 03070103, 0.4 miles south of confluence with McClane Creek, 10.3 miles southwest of Conyers, and 3.2 miles northwest of State Route 20.

DRAINAGE AREA.—26.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 25, 1999 to July 12, 2000, December 5, 2002 to current year.

REMARKS.— Medium code 9 is a surface water sample and 1 is a suspended sediment sample. Hydrologic condition codes represent the stage present during the sample; 9 is for normal, stable stage, 8 is rising , 7 is the peak, and 5 is a falling stage. Two types of samples are represented in this table, 9 is a regular sample and H is a composite ISCO storm sample. Hydrologic event code 9 is for a routine sample and J represents the ISCO composite storm samples. Three different sampler types were used at this site, 3044 is a US DH-81, 3070 is a grab sample, and 4115 is a automatic point sampler or an ISCO. Sampling method code 10 is for an equal width increment (EWI) sample, 25 for a timed interval sample, 50 for a point sample, and 70 for a grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory, Denver, CO. Laboratory chemical analyses of biological oxygen demand (BOD-5) during the period of October through September analyzed by the U.S. Geological Survey, Ocala Water-Quality Laboratory and are stored under the analyzing agency code 80020. BOD-5 samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratory, Denver, CO, and are stored under analyzing agency code 80855. Laboratory sediment analyses with analyzing agency code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory, Atlanta, GA. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

ALTAMAHA RIVER BASIN
2004 Water Year

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	End date	Time	End time	Medium code	Hydro-logic condi-tion	Sample type	Hydro-logic event	Sampler type, code (84164)	Sam-pling method, code (82398)	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
20...	--	0850	--	9	9	9	9	3070	10	80020	1.84	14	70
OCT													
26-27	20031027	1600	1100	9	8	H	J	4115	25	80020	--	--	51
DEC													
10-11	20031211	0730	0700	9	8	H	J	4115	25	80020	--	--	51
16...	--	1020	--	9	5	9	9	3070	10	80020	2.36	36	58
JAN													
14...	--	0940	--	9	9	9	9	3070	10	80020	2.21	31	63
FEB													
09...	--	1210	--	9	9	9	9	3070	10	80020	2.69	45	52
MAR													
08...	--	1215	--	9	9	9	9	3070	10	80020	2.35	29	59
MAR													
30-31	20040331	0300	1000	9	8	H	J	4115	50	80020	--	--	60
MAR													
30-30	20040330	0900	0930	9	9	H	J	3070	10	80020	2.28	26	63
APR													
08...	--	0800	--	9	9	9	9	3070	10	80020	2.14	21	64
14...	--	0910	--	9	5	9	9	3070	10	80020	2.30	27	58
APR 30-													
MAY 03	20040503	2345	0600	9	8	H	J	4115	50	80020	--	--	54
27...	--	0830	--	9	9	9	9	3070	70	80020	1.85	12	81
JUN													
07-10	20040610	2000	0700	9	8	H	J	4115	50	80020	--	--	69
22...	--	0840	--	9	5	9	9	3070	10	80020	2.08	19	63
23...	--	0810	--	9	5	9	9	3070	10	80020	3.76	116	40
JUL													
15...	--	0850	--	9	9	9	9	3070	10	80020	1.98	16	74
AUG													
05...	--	0930	--	9	9	9	9	3044	10	80020	1.88	9.5	79
AUG													
12-13	20040813	0920	0545	9	8	H	J	4115	50	80020	--	--	39
12...	--	1000	--	9	8	9	9	3044	10	80020	3.14	68	46
12...	--	1200	--	9	8	9	9	3044	10	80020	4.20	156	50
SEP													
07-07	20040907	0230	1200	9	8	H	J	4115	50	80020	--	--	--
SEP													
07-07	20040907	0231	1201	9	7	H	J	4115	50	80855	--	--	--
SEP													
07-07	20040907	0232	1202	1	7	H	J	4115	50	81350	--	--	--

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA—continued.

Date	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	COD, high level, water, unfltrd mg/L (00340)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
20...	6.9	13.2	4.7	746	9.6	93	--	.9	4.33	1.56	--	--	.593
OCT													
26-27	6.5	--	160	--	--	--	50	2.4	2.45	.900	44	228d	.321
DEC													
10-11	7.0	--	68	--	--	--	10	1.9	3.49	1.17	37	54	--
16...	6.7	16.2	13	744	11.1	116	--	1.5	3.57	1.33	--	--	.495
JAN													
14...	6.7	6.2	10	747	13.0	107	--	.4	2.74	.831	--	--	.568
FEB													
09...	6.6	6.6	18	753	12.6	104	--	.6	2.81	1.06	--	--	.519
MAR													
08...	6.8	12.3	9.0	747	10.7	102	--	.9	3.51	1.54	--	--	.536
MAR													
30-31	7.2	--	32	--	--	--	10	2.4	2.55	1.19	45	15	.501
MAR													
30-30	6.6	14.8	30	745	9.2	93	<10	.9	3.11	1.54	45	<10	.540
APR													
08...	6.8	13.8	9.0	731	9.6	96	--	.8	3.38	1.79	--	--	.548
14...	6.4	11.1	16	739	10.6	99	--	1.8	3.16	1.28	--	--	.431
APR 30-													
MAY 03	7.2	--	61	--	--	--	20	--	3.36	.696	42	52d	.236
27...	6.7	20.6	10	745	8.3	95	--	--	--	--	--	--	--
JUN													
07-10	7.3	--	36	--	--	--	10	--	3.71	1.86	45	20	.587
22...	6.5	22.6	31	742	7.4	89	--	--	3.70	1.72	--	--	.418
23...	6.3	23.4	350	744	7.6	92	30	3.1	2.42	.817	35	238d	.312
JUL													
15...	6.7	22.9	9.9	744	7.7	92	<10	.6	4.30	1.77	56	<10	.598
AUG													
05...	6.5	22.6	6.5	746	8.0	94	--	<2.0	4.59	2.13	--	--	.611
AUG													
12-13	6.9	--	330	--	--	--	30	4.3	2.38	.786	39	304d	.279
12...	6.5	21.6	320	740	7.7	91	--	4.7	2.49	1.07	--	--	.347
12...	6.6	21.5	420	740	8.0	93	--	12.0	2.85	.998	--	--	.428
SEP													
07-07	--	--	--	--	--	--	--	--	--	--	--	--	<.016
SEP													
07-07	--	--	--	--	--	--	--	4.6	--	--	--	--	--
SEP													
07-07	--	--	--	--	--	--	--	--	--	--	--	--	--

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA—continued.

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Sus-pended sedi-ment concen-tration mg/L (80154)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT 20...	.22	.050	.044	.082	2.4	--	.6	<.08	1.7	E.4	<.1	3	65
OCT 26-27	1.1	<.010	<.006	.37oc	17.9	E.03n	1.3	.09	2.0	--	--	1720	9
DEC 10-11	--	--	--	--	5.7	<.04	.7	.12	1.4	--	--	79	38
16...	.22	.079	E.003n	.026	1.8	--	.5	E.05n	1.9	1.2d	<.1d	6	59
JAN 14...	.22	.057	.009	.043	2.1	--	.5	E.06n	2.2	E.5d	<.1d	5	55
FEB 09...	.20	.040	E.005n	.035	2.0	--	E.3n	<.08	<.6	E1.0	E.2	11	52
MAR 08...	.21	.028	.011	.039	2.0	--	.4	<.08	1.9	E.8d	<.1d	6	61
MAR 30-31	.26	E.009n	E.005n	.066	4.4	<.04	.6	<.08	2.4	--	--	23	41
MAR 30-30	.28	.042	.010	.066	3.0	<.04	1.0	.12	2.5	1.4d	E.2d	11	55
APR 08...	.22	.034	.018	.058	2.1	--	.5	<.08	1.3	1.4d	<.1d	5	58
14...	.26	.057	.013	.048	2.9	--	.5	E.07n	1.6	--	--	13	45
APR 30-MAY 03	.73	.089	<.006	.079	9.7	<.04	1.0	.10	2.6	--	--	79	65
27...	--	--	--	--	--	--	--	--	--	<.1d	<.1d	--	--
JUN 07-10	.37	<.010	.025	.103	5.7	<.04	1.0	<.08	1.6	--	--	23	52
22...	.32	.055	.035	.090	4.1	--	.6	E.04n	1.2	.5d	<.1d	281	73
23...	1.1	.031	E.004n	.27oc	11.1	<.04	1.0	.21	1.6	2.5d	E.3d	23	68
JUL 15...	.21	.033	.036	.069	2.7	<.04	.5	E.06n	.9	--	--	8	86
AUG 05...	.19	.031	.055	.094	2.7	--	.5	.25	1.2	E.9d	<.1d	11	50
AUG 12-13	1.1	E.006n	E.003n	.24oc	15.9	<.04	1.2	.15	1.2	--	--	--	--
12...	1.1	.052	.019	.28oc	14.5	--	14.1	.48	2.5	7.0d	1.4d	437	80
12...	1.4	.029	E.005n	.21oc	18.5	--	.9	.12	.9	--	--	379	83
SEP 07-07	<.10	E.005n	<.006	E.003n	--	--	--	--	--	--	--	--	--
SEP 07-07	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 07-07	--	--	--	--	--	--	--	--	--	--	--	6300	1

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

Value qualifier codes used in this table:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
n -- Below the LRL and above the LT-MDL
o -- Result determined by alternate method

ALTAMAHA RIVER BASIN
2004 Water Year

02204135 CAMP CREEK TRIBUTARY AT GA 155, NEAR STOCKBRIDGE, GA

LOCATION.—Lat 33°34'35", long 84°08'51", referenced to North American Datum (NAD) of 1927, Henry County, Hydrologic Unit 03070103, at culvert on GA 155, 5.0 miles northeast of Stockbridge.

DRAINAGE AREA.—0.28 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—June 21, 1976 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 790.00 feet above National Geodetic Vertical Datum of 1929 (NGVD) (from topographic map).

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

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.02 feet, July 5, 1994
DISCHARGE: 190 cfs, July 5, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 5.16 feet, June 27
DISCHARGE: 50.1 cfs, June 27

ALTAMAHA RIVER BASIN
2004 Water Year

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA

LOCATION.—Lat 33°37'56", long 84°02'07", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit Code 03070103, 0.3 miles northeast of Ebenezer Road, 2.0 miles southwest of Interstate 20, 3.1 miles southwest of Conyers.

DRAINAGE AREA.—4.70 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 11, 1999 to January 1, 2000, December 10, 2002 to current year.

REMARKS.— Medium code 9 is a surface water sample and 1 is a suspended sediment sample. Hydrologic condition codes represent the stage present during the sample; 9 is for normal, stable stage, 8 is rising , 7 is the peak, 5 is falling, and 4 is for a low, stable stage. Sample type 9 is a regular sample. Hydrologic event code 9 is for a routine sample. Four different sampler types were used at this site, 3044 is a US DH-81, 3052 is a US DH-95, 3070 is a grab sample, and 3080 is a voc hand sampler. Sampling method code 10 is for an equal width increment (EWI) sample, 30 for a single vertical sample, 50 for a point sample, and 70 for a grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory, Denver, CO. Laboratory chemical analyses with analyzing agency code 81345 are by the U.S. Geological Survey, Panola Mountain Research (WEBB) Laboratory, Atlanta, GA. Laboratory chemical analyses of biological oxygen demand (BOD-5) during the period of October through September analyzed by the U.S. Geological Survey, Ocala Water-Quality Laboratory and are stored under the analyzing agency code 80020. BOD-5 samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratory, Denver, CO, and are stored under analyzing agency code 80855. Laboratory sediment analyses with analyzing agency code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory, Atlanta, GA. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

ALTAMAHA RIVER BASIN
2004 Water Year

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydrologic condition	Sample type	Hydrologic event	Sampler type, code (84164)	Sampling method, code (82398)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)
OCT													
15...	0825	9	9	9	9	3070	10	80020	1.65	1.6	77	6.7	14.6
NOV													
12...	1155	9	9	9	9	3080	50	80020	1.70	5.6	77	6.4	14.1
DEC													
08...	1030	9	9	9	9	3070	10	80020	1.70	4.7	69	6.6	4.1
JAN													
13...	1020	9	9	9	9	3070	10	80020	1.70	4.3	69	6.4	5.1
FEB													
10...	1050	9	8	9	9	3070	10	80020	1.77	9.1	61	6.4	5.9
MAR													
10...	0910	9	5	9	9	3070	10	80020	1.74	7.7	65	6.3	7.3
APR													
13...	0745	9	8	9	9	3044	10	80020	2.00	22	66	6.0	15.3
MAY													
12...	1015	9	9	9	9	3070	30	80020	1.62	1.9	77	6.1	19.5
27...	0850	9	9	9	9	3070	70	81345	1.63	2.5	702	5.6	21.9
JUN													
08...	1120	9	5	9	9	3070	10	80020	1.64	3.0	133	6.4	21.0
JUL													
12...	1105	9	9	9	9	3070	10	80020	1.69	5.1	250	6.3	24.0
AUG													
10...	0740	9	9	9	9	3070	10	80020	1.57	1.4	201	5.7	20.7
17...	0900	9	9	9	9	3070	10	80020	1.63	2.4	163	6.0	21.2
25...	0900	9	4	9	9	3070	10	80020	1.60	1.2	136	6.5	22.5
SEP													
07...	0800	9	7	9	9	3052	10	80020	6.01	423	46	6.2	22.0
07...	0804	9	7	9	9	3052	10	80855	6.01	423	46	6.2	22.0
07...	0805	1	7	9	9	3052	10	81350	6.01	423	46	6.2	22.0
14...	1130	9	9	9	9	3070	70	80020	1.66	3.1	119	6.7	21.1

Date	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Sulfate water, fltrd, mg/L (00945)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
15...	20	740	6.3	64	.8	5.44	1.18	--	--	--	--	--	--
NOV													
12...	18	745	7.1	71	--	--	--	--	--	--	--	--	--
DEC													
08...	11	740	11.1	87	.4	4.66	1.05	--	--	--	--	--	--
JAN													
13...	16	747	10.7	86	.3	4.02	.819	--	--	--	--	--	--
FEB													
10...	12	746	11.6	95	.5	3.88	.803	--	--	--	--	--	--
MAR													
10...	14	745	10.2	85	.9	3.03	.790	--	--	--	--	--	--
APR													
13...	120	727	6.2	65	1.1	4.05	.842	--	--	--	--	--	--
MAY													
12...	38	744	6.7	75	--	--	--	--	--	--	--	--	--
27...	--	742	6.4	75	--	--	--	4.8	23.7d	3.9d	197d	<.2d	<.200d
JUN													
08...	23	748	6.4	73	<.1	7.65	1.08	--	--	--	--	--	--
JUL													
12...	13	746	4.5	54	6.5	14.9	1.27	--	--	--	--	--	--
AUG													
10...	19	740	4.5	52	E1.5	12.2	1.25	--	--	--	--	--	--
17...	14	743	5.0	57	6.3	10.3	1.04	--	--	--	--	--	--
25...	19	745	4.7	56	3.4	9.93	1.17	--	--	--	--	--	--
SEP													
07...	85	732	6.4	76	--	2.72	.388	--	--	--	--	--	--
07...	85	732	6.4	76	3.1	--	--	--	--	--	--	--	--
07...	85	732	6.4	76	--	--	--	--	--	--	--	--	--
14...	12	750	6.1	70	--	--	--	--	--	--	--	--	--

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)
OCT													
15...	.077	.31	.072	<.006	.064	3.8	<.4	<.08	1.7	<2.5	<.1	<.2	<.2
NOV													
12...	--	--	--	--	--	--	--	--	--	<2.5	<.1	<.2	<.2
DEC													
08...	.334	.28	.161	E.003n	.050	2.1	E.3n	E.07n	4.2	<2.5	<.1	<.2	<.2
JAN													
13...	.420	.30	.134	E.003n	.034	3.7	.5	<.08	4.1	<2.5	<.1	<.2	<.2
FEB													
10...	.494	.24	.092	<.006	.029	1.8	E.3n	E.06n	5.4	<2.5	<.1	<.2	<.2
MAR													
10...	.304	.27	.071	<.006	.011	2.9	.6	.09	2.2	<2.5	<.1	<.2	<.2
APR													
13...	.249	.92	.119	<.006	.25oc	9.1	.6	<.08	2.4	<2.5	<.1	<.2	<.2
MAY													
12...	--	--	--	--	--	--	--	--	--	<2.5	<.1	<.2	<.2
27...	--	--	--	<.07d	--	--	--	--	--	--	--	--	--
JUN													
08...	.280	2.5	1.00d	<.006	.025	6.9	.8	<.08	5.6	<2.5	<.1	<.2	<.2
JUL													
12...	1.09d	4.2	2.14doc	<.006	.042	5.7	1.3	<.08	7.9	<2.5	<.1	<.2	<.2
AUG													
10...	1.22d	1.2	.498d	<.006	.048	4.4	.7	<.08	6.7	<2.5	<.1	<.2	<.2
17...	1.12d	.73	.209	<.006	.047	4.2	2.2	.52	5.5	--	--	--	--
25...	.459	.65	.201	E.003n	.067	4.3	.5	<.08	2.0	--	--	--	--
SEP													
07...	.168	.78	.071	.009	.155	9.4	1.7	.28	9.1	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<2.5	<.1	<.2	<.2

Date	Bromo-benzene water unfltrd ug/L (81555)	Chloro-benzene water unfltrd ug/L (34301)	Ethyl-benzene water unfltrd ug/L (34371)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	sec-Butyl-benzene water unfltrd ug/L (77350)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tri-bromo-methane water unfltrd ug/L (32104)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Tetra-chloro-methane water unfltrd ug/L (32102)
OCT													
15...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
NOV													
12...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
DEC													
08...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
JAN													
13...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
FEB													
10...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
MAR													
10...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
APR													
13...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
MAY													
12...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
JUL													
12...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
AUG													
10...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Tri-chloro-methane water unfltrd ug/L (32106)	Iso-propyl-benzene water unfltrd ug/L (77223)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	CFC-113 water unfltrd ug/L (77652)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)	Chloro-ethane, water, unfltrd ug/L (34311)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	Tri-chloro-ethene, water, unfltrd ug/L (39180)
OCT													
15...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
NOV													
12...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
DEC													
08...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
JAN													
13...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
FEB													
10...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
MAR													
10...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
APR													
13...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
MAY													
12...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
JUL													
12...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
AUG													
10...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1

Date	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Bromo-methane water unfltrd ug/L (34413)	Chloro-methane water unfltrd ug/L (34418)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-methane water unfltrd ug/L (34423)	Naphth-alene, water, unfltrd ug/L (34696)
OCT													
15...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
NOV													
12...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
DEC													
08...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
JAN													
13...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
FEB													
10...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
MAR													
10...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
APR													
13...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
MAY													
12...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
JUL													
12...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
AUG													
10...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	4-Isopropyltoluene water unfltrd ug/L (77356)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,3-Dichloropropane water unfltrd ug/L (77173)	2,2-Dichloropropane water unfltrd ug/L (77170)	Dibromochloropropane water unfltrd ug/L (82625)	1,1-Dichloropropene water unfltrd ug/L (77168)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Styrene water unfltrd ug/L (77128)	Toluene water unfltrd ug/L (34010)	2-Chlorotoluene water unfltrd ug/L (77275)
OCT													
15...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
NOV													
12...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
DEC													
08...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
JAN													
13...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
FEB													
10...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
MAR													
10...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
APR													
13...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
MAY													
12...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
JUL													
12...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	.1	<.2
AUG													
10...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	.1	<.2

Date	4-Chlorotoluene water unfltrd ug/L (77277)	Vinyl chloride, water, unfltrd ug/L (39175)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	Xylenes water unfltrd ug/L (81551)	Dibenzo-[a,h]-anthracene, wat unf ug/L (34556)	Chrysene, water, unfltrd ug/L (34320)	Bis(2-chloroisopropyl) ether, wat unf ug/L (34283)	2,4-Dimethylphenol, water, unfltrd ug/L (34606)	2-Methyl-4,6-dinitrophenol, wat unf ug/L (34657)	4-Bromophenyl phenyl ether, wat unf ug/L (34636)	4-Chlorophenyl phenyl ether, wat unf ug/L (34641)	9H-Fluorene, water, unfltrd ug/L (34381)
OCT													
15...	<.2	<.2	<.2	<.1	<.2	<1	<3	<2	<2.0	<2mc	<2	<2	<2
NOV													
12...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
DEC													
08...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
JAN													
13...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
FEB													
10...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
MAR													
10...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
APR													
13...	<.2	<.2	<.2	<.1	<.2	<2	Mt	<1	<2.0	<2mc	<2	<1	<1
MAY													
12...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<.2	<.2	<.2	<.1	<.2	Mt	<1	<1	<2.0	<2mc	<2	<1	<1
JUL													
12...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
AUG													
10...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.2	<.2	<.2	<.1	<.2	Mt	Mt	<1	<2.0	<2mc	<2	<1	<1

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Acenaphthene, water, unfltrd ug/L (34205)	Acenaphthylene, water, unfltrd ug/L (34200)	Anthracene, water, unfltrd ug/L (34220)	Benzo[a]anthracene, water, unfltrd ug/L (34526)	Hexachlorobenzene water unfltrd ug/L (39700)	Nitrobenzene water unfltrd ug/L (34447)	Benzidine, water, unfltrd ug/L (39120)	3,3'-Dichlorobenzidine, water, unfltrd ug/L (34631)	Benzo[a]pyrene, water, unfltrd ug/L (34247)	Benzo[b]fluoranthene water unfltrd ug/L (34230)	Benzo[g,h,i]perylene, water, unfltrd ug/L (34521)	Benzo[k]fluoranthene water unfltrd ug/L (34242)	Bis(2-chloroethyl) ether, water, unfltrd ug/L (34273)
OCT													
15...	<2	<2	<2	<2	<2	<1	<1000mc	<.9mc	<1	<2	<2	<1	<2
NOV													
12...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
DEC													
08...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
JAN													
13...	<2	<2	<2	<2	Mt	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
FEB													
10...	<2	<2	Mt	<2	<1	<1	<1000mc	<.9mc	Mt	Mt	<2	<1	<1
MAR													
10...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
APR													
13...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	Mt	Mt	<1	<1
MAY													
12...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	Mt	Mt	Mt	Mt	<1
JUL													
12...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
AUG													
10...	<2	<2	<2	<2	<1	<1	--u	<.9mc	<1	<2	<2	<1	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<2	<2	<2	<2	<1	<1	--u	<.9mc	Mt	Mt	Mt	Mt	<1

Date	Hexachlorocyclopentadiene, wat unf ug/L (34386)	N-NItroso-di-n-propylamine, wat unf ug/L (34428)	N-NItroso-dimethylamine, wat unf ug/L (34438)	N-NItroso-diphenylamine, wat unf ug/L (34433)	Hexachloroethane, water, unfltrd ug/L (34396)	Fluoranthene water unfltrd ug/L (34376)	1,2-Diphenylhydrazine, water, unfltrd ug/L (82626)	Indeno[1,2,3-cd]pyrene, water, unfltrd ug/L (34403)	Isophorone water unfltrd ug/L (34408)	4-Chloro-3-methylphenol, wat unf ug/L (34452)	Bis(2-chloroethoxy)methane water unfltrd ug/L (34278)	2-Chloronaphthalene, water, unfltrd ug/L (34581)	Phenanthrene, water, unfltrd ug/L (34461)
OCT													
15...	<1mc	<2	<3	<2mc	<2mc	Mt	<1	<3	<2	<3	<3	<2	<2
NOV													
12...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
DEC													
08...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
JAN													
13...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
FEB													
10...	<1mc	<2	<2	<2mc	<2mc	Mt	<2	<2	Mt	<2	<1	<1	Mt
MAR													
10...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	Mt	<2	<1	<1	<1
APR													
13...	<1mc	<2	<2	<2mc	<2mc	Mt	<2	Mt	<2	<2	<1	<1	<1
MAY													
12...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<1mc	<2	<2	<2mc	<2mc	Mt	<2	Mt	<2	<2	<1	<1	<1
JUL													
12...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
AUG													
10...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1mc	<2	<2	<2mc	<2mc	Mt	<2	Mt	<2	<2	<1	<1	Mt

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Phenol, water, unfltrd ug/L (34694)	2,4,6-Tri-chloro-phenol, water, unfltrd ug/L (34621)	2,4-Di-chloro-phenol, water, unfltrd ug/L (34601)	2,4-Di-nitro-phenol, water, unfltrd ug/L (34616)	2-chloro-phenol, water, unfltrd ug/L (34586)	2-nitro-phenol, water unfltrd ug/L (34591)	4-Nitro-phenol, water, unfltrd ug/L (34646)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Bis(2-ethyl-hexyl) phthal-ate, wat unf ug/L (39100)	Benzyl n-butyl phthal-ate, water, unfltrd ug/L (34292)	Di-n-butyl phthal-ate, water, unfltrd ug/L (39110)	Di-ethyl phthal-ate, water, unfltrd ug/L (34336)	Di-methyl phthal-ate, water, unfltrd ug/L (34341)
OCT													
15...	E.2t	<3	<2	<3	<2	<1	<4mc	<2mc	<2	<2	<2	<2	<1
NOV													
12...	E.3t	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
DEC													
08...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	Mt	<2	<1
JAN													
13...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
FEB													
10...	<1.6	Mt	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	Mt
MAR													
10...	E.3t	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	Mt
APR													
13...	E2.9	<1	Mt	<3	<1	Mt	<2mc	<2mc	<2	<2	<2	<2	<1
MAY													
12...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
JUL													
12...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
AUG													
10...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1

Date	Di-n-octyl phthal-ate, water, unfltrd ug/L (34596)	Pyrene, water, unfltrd ug/L (34469)	2,4-Di-nitro-toluene water unfltrd ug/L (34611)	2,6-Di-nitro-toluene water unfltrd ug/L (34626)	Aldrin, water, unfltrd ug/L (39330)	Chlor-dane, tech-nical, water, unfltrd ug/L (39350)	Diel-drin, water, unfltrd ug/L (39380)	alpha-Endo-sulfan, water, unfltrd ug/L (39388)	Endrin, water, unfltrd ug/L (39390)	Hepta-chlor, water, unfltrd ug/L (39410)	Hepta-chlor epoxide water unfltrd ug/L (39420)	Lindane water, unfltrd ug/L (39340)	p,p'-Meth-oxy-chlor, water, unfltrd ug/L (39480)
OCT													
15...	<2	Mt	<3	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
NOV													
12...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
DEC													
08...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
JAN													
13...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
FEB													
10...	<2	Mt	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
MAR													
10...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
APR													
13...	<2	Mt	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
MAY													
12...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<2	Mt	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
JUL													
12...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
AUG													
10...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<2	Mt	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Mirex, water, unfltrd ug/L (39755)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	PCBs, water, unfltrd ug/L (39516)	Toxaphene, water, unfltrd ug/L (39400)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Suspended sediment concentration mg/L (80154)	Suspnd. sediment, sieve diametr percent <.063mm (70331)
OCT										
15...	<.001	<.002	<.002	<.002	<.1	<1	E.4	<.1	17	60
NOV										
12...	<.001	<.002	<.002	<.002	<.1	<1	--	--	--	--
DEC										
08...	<.001	<.002	<.002	<.002	<.1	<1	1.7d	<.1d	7	70
JAN										
13...	<.001	<.002	<.002	<.002	<.1	<1	E.5d	<.1d	5	60
FEB										
10...	<.001	<.002	<.002	<.002	<.1	<1	E.9	E.2	9	54
MAR										
10...	<.001	<.002	<.002	<.002	<.1	<1	1.2d	<.1d	8	40
APR										
13...	<.001	<.002	<.002	<.002	<.1	<1	5.7d	1.3d	131	52
MAY										
12...	<.001	<.002	<.002	<.002	<.1	<1	E.8d	<.1d	--	--
27...	--	--	--	--	--	--	--	--	--	--
JUN										
08...	<.001	<.002	<.002	<.002	<.1	<1	1.6d	E.3d	14	85
JUL										
12...	<.001	<.002	<.002	<.002	<.1	<1	1.6d	E.2d	9	83
AUG										
10...	<.001	<.002	<.002	<.002	<.1	<1	.8d	<.1d	11	92
17...	--	--	--	--	--	--	1.0d	<.1d	6	93
25...	--	--	--	--	--	--	E1.4d	E.5d	6	94
SEP										
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	46	95
14...	<.001	<.002	<.002	<.002	<.1	<1	--	--	--	--

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this table:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   m -- Value is highly variable by this method
   n -- Below the LRL and above the LT-MDL
   o -- Result determined by alternate method
   t -- Below the long-term MDL

Null value qualifier codes used in this table:
   u -- Unable to determine-matrix interference

ALTAMAHA RIVER BASIN
2004 Water Year

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA

LOCATION.—Lat 33°36'35", long 84°00'53", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit Code 03070103, 150 feet upstream of culvert on GA 20, 3.22 miles south of Interstate 20, 4.76 miles south of Conyers.

DRAINAGE AREA.—6.27 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 21, 2002 to current year.

REMARKS.— Medium code 9 is a surface water sample and 1 is a suspended sediment sample. Hydrologic condition codes represent the stage present during the sample; 9 is for normal, stable stage, 8 is rising, and 5 is falling stage. Sample type 9 is a regular sample. Hydrologic event code 9 is for a routine sample. Four different sampler types were used at this site, 3044 is a US DH-81, 3052 is a US DH-95, 3070 is a grab sample, and 3080 is a voc hand sampler. Sampling method code 10 is for an equal width increment (EWI) sample, 30 for a single vertical sample, 50 for a point sample, and 70 for a grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory, Denver, CO. Laboratory chemical analyses with analyzing agency code 81345 are by the U.S. Geological Survey, Panola Mountain Research (WEBB) Laboratory, Atlanta, GA. Laboratory chemical analyses of biological oxygen demand (BOD-5) during the period of October through September analyzed by the U.S. Geological Survey, Ocala Water-Quality Laboratory and are stored under the analyzing agency code 80020. BOD-5 samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratory, Denver, CO, and are stored under analyzing agency code 80855. Laboratory sediment analyses with analyzing agency code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory, Atlanta, GA. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydrologic condition	Sample type	Hydrologic event	Sampler type, code (84164)	Sampling method, code (82398)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)
OCT													
14...	0840	9	9	9	9	3070	10	80020	1.32	5.0	273	6.9	19.2
NOV													
12...	0920	9	9	9	9	3080	50	80020	1.36	7.8	162	6.5	14.1
DEC													
09...	0940	9	9	9	9	3070	10	80020	1.37	8.0	178	7.4	7.2
JAN													
13...	0900	9	9	9	9	3070	10	80020	1.37	8.1	178	6.5	6.8
FEB													
11...	1140	9	9	9	9	3044	10	80020	1.54	14	86	6.5	8.8
MAR													
10...	1050	9	5	9	9	3070	10	80020	1.49	11	107	6.5	9.7
APR													
13...	0910	9	8	9	9	3070	10	80020	1.70	20	145	6.2	15.5
MAY													
12...	1255	9	9	9	9	3070	30	80020	1.27	5.5	180	6.6	20.1
13...	1040	9	5	9	9	3070	10	80020	1.63	19	99	6.3	20.1
27...	0910	9	9	9	9	3070	70	81345	1.27	5.2	461	6.4	22.2
JUN													
08...	0930	9	5	9	9	3070	10	80020	1.36	8.1	197	6.7	20.7
JUL													
13...	0850	9	9	9	9	3070	10	80020	1.35	7.9	266	6.4	23.6
AUG													
10...	1000	9	9	9	9	3070	10	80020	1.22	3.2	281	6.6	21.2
18...	0820	9	9	9	9	3070	10	80855	1.36	8.1	202	6.3	21.8
SEP													
07...	0945	9	8	9	9	3052	10	80020	5.30	355	48	6.1	22.2
07...	0946	9	8	9	9	3052	10	80855	5.30	355	48	6.1	22.2
07...	0947	1	8	9	9	3052	10	81350	5.30	355	48	6.1	22.2
14...	0930	9	9	9	9	3070	70	80020	1.33	6.1	186	6.8	20.8

Date	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Sulfate water, fltrd, mg/L (00945)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
14...	13	737	7.5	84	.9	6.27	1.42	--	--	--	--	--	--
NOV													
12...	17	746	8.5	85	--	--	--	--	--	--	--	--	--
DEC													
09...	12	740	11.4	97	1.0	5.61	1.25	--	--	--	--	--	--
JAN													
13...	20	747	11.4	95	1.2	4.02	.862	--	--	--	--	--	--
FEB													
11...	12	745	10.9	96	.6	2.57	.934	--	--	--	--	--	--
MAR													
10...	12	747	11.4	102	1.2	4.20	1.79	--	--	--	--	--	--
APR													
13...	96	728	7.7	81	.4	4.11	1.95	--	--	--	--	--	--
MAY													
12...	29	748	8.2	93	--	--	--	--	--	--	--	--	--
13...	87	744	7.2	81	1.4	3.67	1.40	--	--	--	--	--	--
27...	15	743	7.8	93	--	--	--	18.1	25.0d	2.0d	106d	<.2d	<.200d
JUN													
08...	45	748	7.8	89	<.1	6.58	3.40	--	--	--	--	--	--
JUL													
13...	20	744	6.0	72	4.1	8.33	3.73	--	--	--	--	--	--
AUG													
10...	16	740	7.2	84	E1.2	10.3	6.72	--	--	--	--	--	--
18...	24	741	6.9	81	2.8	7.92	3.07	--	--	--	--	--	--
SEP													
07...	130	733	6.6	79	--	2.72	.604	--	--	--	--	--	--
07...	130	733	6.6	79	3.5	--	--	--	--	--	--	--	--
07...	130	733	6.6	79	--	--	--	--	--	--	--	--	--
14...	14	748	6.8	78	--	--	--	--	--	--	--	--	--

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)
OCT													
14...	4.42d	.46	.063	.052	.176	3.8	1.9	.25	6.5	<2.5	<.1	<.2	<.2
NOV													
12...	--	--	--	--	--	--	--	--	--	<2.5	<.1	<.2	<.2
DEC													
09...	2.60d	.61	.304d	.010	.078	2.3	1.8	.18	9.7	<2.5	<.1	<.2	<.2
JAN													
13...	1.99d	.72	.329d	.026	.136	3.2	1.7	.18	8.9	<2.5	<.1	<.2	<.2
FEB													
11...	1.54d	.28	.087	E.004n	.055	1.9	.9	.11	4.3	<2.5	<.1	<.2	<.2
MAR													
10...	1.47d	.32	.067	.006	.067	2.9	.8	.12	5.4	<2.5	<.1	<.2	<.2
APR													
13...	1.56d	.91	.239	<.006	.25oc	6.5	1.3	.20	4.8	<2.5	<.1	<.2	<.2
MAY													
12...	--	--	--	--	--	--	--	--	--	<2.5	<.1	<.2	<.2
13...	1.14d	.70	.137	.007	.179	7.2	1.4	.21	5.2	--	--	--	--
27...	--	--	--	<.07d	--	--	--	--	--	--	--	--	--
JUN													
08...	2.62d	1.8	.546d	.017	.13oc	6.6	1.7	.24	5.8	<2.5	<.1	<.2	<.2
JUL													
13...	3.37d	.80	.096	.006	.051	3.1	1.2	.12	5.3	<2.5	<.1	<.2	<.2
AUG													
10...	6.34doc	.69	.098	.073	.147	3.3	2.9	.16	7.9	<2.5	<.1	<.2	<.2
18...	2.29d	.62	.117	.025	.112	4.1	1.7	.13	6.5	--	--	--	--
SEP													
07...	.401	.83	.044	.016	.21oc	10.5	1.7	.31	9.0	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<2.5	<.1	<.2	<.2

Date	Bromo-benzene water unfltrd ug/L (81555)	Chloro-benzene water unfltrd ug/L (34301)	Ethyl-benzene water unfltrd ug/L (34371)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	sec-Butyl-benzene water unfltrd ug/L (77350)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tri-bromo-methane water unfltrd ug/L (32104)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Tetra-chloro-methane water unfltrd ug/L (32102)
OCT													
14...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
NOV													
12...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
DEC													
09...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
JAN													
13...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
FEB													
11...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
MAR													
10...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
APR													
13...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
MAY													
12...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	.4	<.2	<.2
JUL													
13...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	.9	<.2	<.2
AUG													
10...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	.8	<.2	<.2
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.2	<.1	<.1	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Tri-chloro-methane water unfltrd ug/L (32106)	Iso-propyl-benzene water unfltrd ug/L (77223)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	CFC-113 water unfltrd ug/L (77652)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)	Chloro-ethane, water, unfltrd ug/L (34311)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	Tri-chloro-ethene, water, unfltrd ug/L (39180)
OCT													
14...	.3	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
NOV													
12...	.2	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
DEC													
09...	.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
JAN													
13...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
FEB													
11...	.2	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
MAR													
10...	.2	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
APR													
13...	.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
MAY													
12...	.2	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
JUL													
13...	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
AUG													
10...	.2	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	.3	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.1	<.1	<.1

Date	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Bromo-methane water unfltrd ug/L (34413)	Chloro-methane water unfltrd ug/L (34418)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-methane water unfltrd ug/L (34423)	Naphth-alene, water, unfltrd ug/L (34696)
OCT													
14...	<.1	<.2	<.2	.2	.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
NOV													
12...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
DEC													
09...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
JAN													
13...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
FEB													
11...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
MAR													
10...	<.1	<.2	<.2	.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
APR													
13...	<.1	<.2	<.2	<.1	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
MAY													
12...	<.1	<.2	<.2	.2	<.2	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<.1	<.2	<.2	.5	.8	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
JUL													
13...	<.1	<.2	<.2	.2	.5	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
AUG													
10...	<.1	<.2	<.2	.2	.5	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.1	<.2	<.2	.3	.3	<.2mc	<.2	<.3	<.2mc	<.2	<.2	<.2	<.5

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	4-Isopropyltoluene water unfltrd ug/L (77356)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,3-Dichloropropane water unfltrd ug/L (77173)	2,2-Dichloropropane water unfltrd ug/L (77170)	Dibromochloropropane water unfltrd ug/L (82625)	1,1-Dichloropropene water unfltrd ug/L (77168)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Styrene water unfltrd ug/L (77128)	Toluene water unfltrd ug/L (34010)	2-Chlorotoluene water unfltrd ug/L (77275)
OCT													
14...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
NOV													
12...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
DEC													
09...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
JAN													
13...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
FEB													
11...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
MAR													
10...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
APR													
13...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	.4	<.2
MAY													
12...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
JUL													
13...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
AUG													
10...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.2	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2

Date	4-Chlorotoluene water unfltrd ug/L (77277)	Vinyl chloride, water, unfltrd ug/L (39175)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	Xylenes water unfltrd ug/L (81551)	Dibenzo[a,h]anthracene, wat unf ug/L (34556)	Chrysene, water, unfltrd ug/L (34320)	Bis(2-chloroisopropyl) ether, wat unf ug/L (34283)	2,4-Dimethylphenol, water, unfltrd ug/L (34606)	2-Methyl-4,6-dinitrophenol, wat unf ug/L (34657)	4-Bromophenyl phenyl ether, wat unf ug/L (34636)	4-Chlorophenyl phenyl ether, wat unf ug/L (34641)	9H-Fluorene, water, unfltrd ug/L (34381)
OCT													
14...	<.2	<.2	<.2	<.1	<.2	<1	<3	<2	<2.0	<2mc	<2	<2	<2
NOV													
12...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
DEC													
09...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
JAN													
13...	<.2	<.2	<.2	<.1	<.2	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
MAR													
10...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
APR													
13...	<.2	<.2	<.2	<.1	<.2	--r	--r	--r	--r	--r	--r	--r	--r
MAY													
12...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
JUL													
13...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
AUG													
10...	<.2	<.2	<.2	<.1	<.2	<2	<1	<1	<2.0	<2mc	<2	<1	<1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.2	<.2	<.2	<.1	<.2	<2	Mt	<1	<2.0	<2mc	<2	<1	<1

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Acenaphthene, water, unfltrd ug/L (34205)	Acenaphthylene, water, unfltrd ug/L (34200)	Anthracene, water, unfltrd ug/L (34220)	Benzo[a]anthracene, water, unfltrd ug/L (34526)	Hexachlorobenzene water unfltrd ug/L (39700)	Nitrobenzene water unfltrd ug/L (34447)	Benzidine, water, unfltrd ug/L (39120)	3,3'-Dichlorobenzidine, water, unfltrd ug/L (34631)	Benzo[a]pyrene, water, unfltrd ug/L (34247)	Benzo[b]fluoranthene water unfltrd ug/L (34230)	Benzo[g,h,i]perylene, water, unfltrd ug/L (34521)	Benzo[k]fluoranthene water unfltrd ug/L (34242)	Bis(2-chloroethyl) ether, water, unfltrd ug/L (34273)
OCT													
14...	<2	<2	<2	<2	<2	<1	<1000mc	<.9mc	<1	<2	<2	<1	<2
NOV													
12...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
DEC													
09...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
JAN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
MAR													
10...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
APR													
13...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
MAY													
12...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
JUL													
13...	<2	<2	<2	<2	<1	<1	<1000mc	<.9mc	<1	<2	<2	<1	<1
AUG													
10...	<2	<2	<2	<2	<1	<1	--u	<.9mc	<1	<2	<2	<1	<1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<2	<2	<2	<2	<1	<1	--u	<.9mc	<1	<2	<2	<1	<1

Date	Hexachlorocyclopentadiene, wat unf ug/L (34386)	N-NItroso-di-n-propylamine, wat unf ug/L (34428)	N-NItroso-dimethylamine, wat unf ug/L (34438)	N-NItroso-diphenylamine, wat unf ug/L (34433)	Hexachloroethane, water, unfltrd ug/L (34396)	Fluoranthene water unfltrd ug/L (34376)	1,2-Diphenylhydrazine, water, unfltrd ug/L (82626)	Indeno[1,2,3-cd]pyrene, water, unfltrd ug/L (34403)	Isophorone water unfltrd ug/L (34408)	4-Chloro-3-methylphenol, wat unf ug/L (34452)	Bis(2-chloroethoxy)methane water unfltrd ug/L (34278)	2-Chloronaphthalene, water, unfltrd ug/L (34581)	Phenanthrene, water, unfltrd ug/L (34461)
OCT													
14...	<1mc	<2	<3	<2mc	<2mc	Mt	<1	<3	<2	<3	<3	<2	<2
NOV													
12...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
DEC													
09...	<1mc	<2	M	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
JAN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
MAR													
10...	<1mc	<2	<2	<2mc	<2mc	Mt	<2	<2	Mt	<2	<1	<1	<1
APR													
13...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
MAY													
12...	<1mc	<2	<2	<2mc	<2mc	Mt	<2	<2	<2	<2	<1	<1	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
JUL													
13...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
AUG													
10...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	<1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1mc	<2	<2	<2mc	<2mc	<1	<2	<2	<2	<2	<1	<1	Mt

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Phenol, water, unfltrd ug/L (34694)	2,4,6-Tri-chloro-phenol, water, unfltrd ug/L (34621)	2,4-Di-chloro-phenol, water, unfltrd ug/L (34601)	2,4-Di-nitro-phenol, water, unfltrd ug/L (34616)	2-chloro-phenol, water, unfltrd ug/L (34586)	2-nitro-phenol, water unfltrd ug/L (34591)	4-Nitro-phenol, water, unfltrd ug/L (34646)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Bis(2-ethyl-hexyl) phthal-ate, wat unf ug/L (39100)	Benzyl n-butyl phthal-ate, water, unfltrd ug/L (34292)	Di-n-butyl phthal-ate, water, unfltrd ug/L (39110)	Di-ethyl phthal-ate, water, unfltrd ug/L (34336)	Di-methyl phthal-ate, water, unfltrd ug/L (34341)
OCT													
14...	E.3t	Mt	<2	<3	<2	<1	<4mc	<2mc	<2	<2	<2	<2	<1
NOV													
12...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
DEC													
09...	E.6t	<1	<2	<3	<1	<1	<2mc	<2mc	E6	<2	Mt	Mt	<1
JAN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<1.6	Mt	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
MAR													
10...	E.7t	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
APR													
13...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
MAY													
12...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
JUL													
13...	E.6t	<1	<2	<3	<1	<1	<2mc	<2mc	Mt	<2	<2	<2	<1
AUG													
10...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1.6	<1	<2	<3	<1	<1	<2mc	<2mc	<2	<2	<2	<2	<1

Date	Di-n-octyl phthal-ate, water, unfltrd ug/L (34596)	Pyrene, water, unfltrd ug/L (34469)	2,4-Di-nitro-toluene water unfltrd ug/L (34611)	2,6-Di-nitro-toluene water unfltrd ug/L (34626)	Aldrin, water, unfltrd ug/L (39330)	Chlor-dane, tech-nical, water, unfltrd ug/L (39350)	Diel-drin, water, unfltrd ug/L (39380)	alpha-Endo-sulfan, water, unfltrd ug/L (39388)	Endrin, water, unfltrd ug/L (39390)	Hepta-chlor, water, unfltrd ug/L (39410)	Hepta-chlor epoxide water unfltrd ug/L (39420)	Lindane water, unfltrd ug/L (39340)	p,p'-Meth-oxy-chlor, water, unfltrd ug/L (39480)
OCT													
14...	<2	Mt	<3	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
NOV													
12...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
DEC													
09...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
JAN													
13...	--	--	--	--	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
FEB													
11...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
MAR													
10...	<2	Mt	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
APR													
13...	--r	--r	--r	--r	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
MAY													
12...	<2	Mt	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
08...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
JUL													
13...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
AUG													
10...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<2	<2	<1	<2	<.001	<.1	<.002	<.002	<.002	<.001	<.001	<.0020	<.003

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Mirex, water, unfltrd ug/L (39755)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	PCBs, water, unfltrd ug/L (39516)	Toxaphene, water, unfltrd ug/L (39400)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Suspended sediment concentration mg/L (80154)	Suspnd. sediment, sieve diametr percent <.063mm (70331)
OCT										
14...	<.001	<.002	<.002	<.002	<.1	<1	E.5	<.1	28	64
NOV										
12...	<.001	<.002	<.002	<.002	<.1	<1	--	--	--	--
DEC										
09...	<.001	<.002	<.002	<.002	<.1	<1	1.0d	<.1d	10	44
JAN										
13...	<.001	<.002	<.002	<.002	<.1	<1	E.4d	<.1d	9	72
FEB										
11...	<.001	<.002	<.002	<.002	<.1	<1	E.6	<.1	10	63
MAR										
10...	<.001	<.002	<.002	<.002	<.1	<1	1.7d	<.1d	8	47
APR										
13...	<.001	<.002	<.002	<.002	<.1	<1	3.5d	E.3d	85	61
MAY										
12...	<.001	<.002	<.002	<.002	<.1	<1	E.2d	<.1d	--	--
13...	--	--	--	--	--	--	E.7d	E.2d	49	72
27...	--	--	--	--	--	--	--	--	--	--
JUN										
08...	<.001	<.002	<.002	<.002	<.1	<1	.4d	E.2d	23	76
JUL										
13...	<.001	<.002	<.002	<.002	<.1	<1	1.4d	E.2d	12	90
AUG										
10...	<.001	<.002	<.002	<.002	<.1	<1	.8d	<.1d	8	92
18...	--	--	--	--	--	--	--	--	9	96
SEP										
07...	--	--	--	--	--	--	E.6d	E.3d	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	150	70
14...	<.001	<.002	<.002	<.002	<.1	<1	--	--	--	--

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this table:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   m -- Value is highly variable by this method
   n -- Below the LRL and above the LT-MDL
   o -- Result determined by alternate method
   t -- Below the long-term MDL

Null value qualifier codes used in this table:
   r -- Sample ruined in preparation
   u -- Unable to determine-matrix interference

ALTAMAHA RIVER BASIN
2004 Water Year

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA

LOCATION.—Lat 33°36'35", long 84°00'53", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, approximately 2.9 miles south of intersection of GA Highway 20 and GA Highway 138.

DRAINAGE AREA.—6.27 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—August 4, 2004 (invertebrates) and September 23, 2004 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 211 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Gastropoda		
Basommatophora		
Physidae		
Physella sp.	3	
ANNELIDA		
Oligochaeta		
Haplotaxida		
Tubificidae w.h.c.	1	
Limnodrilus hoffmeisteri	1	
ARTHROPODA		
Crustacea		
Amphipoda		
Talitridae		
Hyalella azteca	2	
Decapoda		
Cambaridae		
Procambarus sp.	5	
Insecta		
Ephemeroptera		
Heptageniidae		
Stenonema sp.	1	
Odonata		
Aeshnidae		
Boyeria vinosa	1	
Coenagrionidae	5	
Argia sp.	1	
Corduliidae		
Macromia sp.		1
Hemiptera		
Gerridae		
Aquarius sp.		1
Trichoptera		
Hydropsychidae		

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA —continued.

	Abundance	
	Multi-habitat	Visual
Cheumatopsyche sp.	1	
Coleoptera		
Elmidae		
Ancyronyx variegata	3	
Diptera		
Chironomidae	1	
Ablabesmyia mallochi	2	
Conchapelopia sp.	1	
Cryptochironomus sp.	2	
Parametriocnemus sp.	1	
Polypedilum illinoense	10	
Rheotanytarsus sp.	2	
Tanytarsus sp.	10	

Fishes

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Ameiurus natalis	yellow bullhead	1	224	167.0
Esox niger	chain pickerel	1	116	19.4
Esox niger	chain pickerel	1	174	26.6
Esox niger	chain pickerel	1	105	5.4
Gambusia holbrooki	eastern mosquitofish	1	43	0.7
Lepomis auritus	redbreast sunfish	10	batch	106.0
Lepomis auritus	redbreast sunfish	1	135	44.3
Lepomis auritus	redbreast sunfish	1	135	40.7
Lepomis auritus	redbreast sunfish	1	180	100.2
Lepomis auritus	redbreast sunfish	1	100	125.0
Lepomis auritus	redbreast sunfish	1	19.1	31.2
Lepomis auritus	redbreast sunfish	1	160	72.5
Lepomis auritus	redbreast sunfish	1	170	87.2
Lepomis auritus	redbreast sunfish	1	125	32.6
Lepomis auritus	redbreast sunfish	1	69	6.8
Lepomis auritus	redbreast sunfish	1	150	52.5
Lepomis auritus	redbreast sunfish	1	75	7.0
Lepomis auritus	redbreast sunfish	1	170	93.0
Lepomis auritus	redbreast sunfish	1	173	104.0
Lepomis auritus	redbreast sunfish	1	95	17.0
Lepomis auritus	redbreast sunfish	1	125	30.0
Lepomis auritus	redbreast sunfish	1	145	37.0
Lepomis auritus	redbreast sunfish	1	155	54.0
Lepomis auritus	redbreast sunfish	1	115	26.0
Lepomis auritus	redbreast sunfish	1	130	39.0
Lepomis auritus	redbreast sunfish	1	153	71.0
Lepomis auritus	redbreast sunfish	1	123	30.0
Lepomis auritus	redbreast sunfish	1	96	13.0
Lepomis auritus	redbreast sunfish	1	115	26.0
Lepomis auritus	redbreast sunfish	1	113	26.0
Lepomis auritus	redbreast sunfish	1	105	19.0
Lepomis auritus	redbreast sunfish	1	135	43.0
Lepomis auritus	redbreast sunfish	1	45	1.8
Lepomis auritus	redbreast sunfish	1	95	15.0
Lepomis auritus	redbreast sunfish	1	145	49.0
Lepomis auritus	redbreast sunfish	1	95	14.4
Lepomis auritus	redbreast sunfish	1	134	42.0
Lepomis auritus	redbreast sunfish	1	120	32.0
Lepomis auritus	redbreast sunfish	1	96	16.0
Lepomis auritus	redbreast sunfish	1	108	23.0
Lepomis auritus	redbreast sunfish	1	87	13.0
Lepomis auritus	redbreast sunfish	1	100	17.0
Lepomis auritus	redbreast sunfish	1	120	33.0
Lepomis auritus	redbreast sunfish	1	80	10.0
Lepomis auritus	redbreast sunfish	1	168	77.0
Lepomis auritus	redbreast sunfish	1	85	14.0
Lepomis gulosus	warmouth	1	170	119.0
Lepomis macrochirus	bluegill	6	batch	49.7
Lepomis macrochirus	bluegill	1	8	1.8
Lepomis macrochirus	bluegill	1	119	68.8
Lepomis macrochirus	bluegill	1	68	4.3
Lepomis macrochirus	bluegill	1	68	4.9

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Lepomis macrochirus	bluegill	1	132	95.2
Lepomis macrochirus	bluegill	1	61	3.8
Lepomis macrochirus	bluegill	1	46	1.6
Lepomis macrochirus	bluegill	1	134	38.0
Lepomis macrochirus	bluegill	1	65	4.3
Lepomis macrochirus	bluegill	1	93	13.0
Lepomis macrochirus	bluegill	1	64	4.1
Lepomis macrochirus	bluegill	1	40	1.0
Lepomis macrochirus	bluegill	1	119	29.0
Lepomis macrochirus	bluegill	1	55	2.1
Lepomis macrochirus	bluegill	1	69	4.5
Lepomis macrochirus	bluegill	1	57	2.4
Lepomis macrochirus	bluegill	1	124	32.0
Lepomis macrochirus	bluegill	1	50	2.0
Lepomis macrochirus	bluegill	1	41	1.1
Lepomis macrochirus	bluegill	1	45	1.1
Lepomis macrochirus	bluegill	1	28	0.3
Lepomis macrochirus	bluegill	1	50	1.9
Lepomis macrochirus	bluegill	1	70	6.5
Lepomis macrochirus	bluegill	1	40	1.0
Lepomis macrochirus	bluegill	1	68	5.0
Lepomis macrochirus	bluegill	1	75	6.9
Lepomis macrochirus	bluegill	1	115	21.9
Lepomis macrochirus	bluegill	1	100	17.0
Lepomis macrochirus	bluegill	1	56	3.2
Lepomis macrochirus	bluegill	1	110	20.0
Lepomis macrochirus	bluegill	1	105	17.0
Lepomis macrochirus	bluegill	1	80	7.0
Lepomis macrochirus	bluegill	12		109.0
Lepomis megalotis	longear sunfish	1	128	40.0
Lepomis microlophus	redear sunfish	1	45	1.4
Lepomis microlophus	redear sunfish	1	91	12.0
Micropterus salmoides	largemouth bass	1	70	3.0
Micropterus salmoides	largemouth bass	1	78	6.0
Micropterus salmoides	largemouth bass	1	60	2.4
Nocomis leptocephalus	bluehead chub	1	78	6.0
Nocomis leptocephalus	bluehead chub	1	72	4.0
Nocomis leptocephalus	bluehead chub	1	85	4.0
Nocomis leptocephalus	bluehead chub	1	74	3.9
Nocomis leptocephalus	bluehead chub	1	135	26.0
Nocomis leptocephalus	bluehead chub	1	80	6.1
Nocomis leptocephalus	bluehead chub	1	120	18.7
Nocomis leptocephalus	bluehead chub	1	75	4.1
Nocomis leptocephalus	bluehead chub	1	126	22.0
Nocomis leptocephalus	bluehead chub	1	35	0.4
Nocomis leptocephalus	bluehead chub	1	172	64.0
Nocomis leptocephalus	bluehead chub	1	70	3.7
Nocomis leptocephalus	bluehead chub	1	91	10.0
Notropis hudsonius	spottail shiner	1	75	3.2
Notropis lutipinnis	yellowfin shiner	1	83	5.1
Notropis lutipinnis	yellowfin shiner	1	68	3.4
Notropis lutipinnis	yellowfin shiner	1	68	2.9
Notropis lutipinnis	yellowfin shiner	1	30	0.4
Notropis lutipinnis	yellowfin shiner	1	33	0.4
Notropis lutipinnis	yellowfin shiner	1	30	0.5
Notropis lutipinnis	yellowfin shiner	1	35	0.4
Percina nigrofasciata	blackbanded darter	1	78	3.7
Percina nigrofasciata	blackbanded darter	1	74	1.4
Percina nigrofasciata	blackbanded darter	1	55	1.6
Percina nigrofasciata	blackbanded darter	1	80	4.8
Percina nigrofasciata	blackbanded darter	1	73	3.2
Percina nigrofasciata	blackbanded darter	1	55	2.2
Percina nigrofasciata	blackbanded darter	1	60	1.7
Percina nigrofasciata	blackbanded darter	1	60	2.0
Percina nigrofasciata	blackbanded darter	1	50	1.0
Percina nigrofasciata	blackbanded darter	1	80	4.8
Percina nigrofasciata	blackbanded darter	1	68	31.0
Percina nigrofasciata	blackbanded darter	1	68	2.6
Percina nigrofasciata	blackbanded darter	1	46	1.0
Percina nigrofasciata	blackbanded darter	1	70	3.4
Scartomyzon rupiscartes	striped jumprock	1	64	2.4
Scartomyzon rupiscartes	striped jumprock	1	223	120.4
Scartomyzon rupiscartes	striped jumprock	1	225	117.6

ALTAMAHA RIVER BASIN
2004 Water Year

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°35'25", long 83°59'32, referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, on upstream side of bridge on Honey Creek Road, 1.4 miles east of GA 20, 1.5 miles west of Pace, and 6.0 miles south of Conyers.

DRAINAGE AREA.—15.1 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 21, 2002, to current year.

REMARKS.— Medium code 9 indicates a surface water sample and medium code 1 indicates a suspended sediment sample. Hydrologic condition 9 indicates baseflow, and 5 indicates falling stage. Sample type 9 indicates a routine sample. Hydrologic event 9 indicates a routine sample. Sampler type code 3001 represents a DH-48, 3044 represents a DH-81, and 3080 represents a VOC hand sampler Sampling method code 10 indicates Equal-Width-Increment, and 70 indicates grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis of Biological Oxygen Demand (BOD-5) during the period of October through September were analyzed by the US Geological Survey, Ocala Water-Quality Laboratory. Biological Oxygen Demand samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratories, Inc.-Denver, and stored under analyzing agency code 80855. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydrologic condition	Sample type	Hydrologic event	Sampler type, code (84164)	Sampling method, code (82398)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
14...	1140	9	9	9	9	3044	10	80020	3.34	11	8.4	6.7	153
NOV													
13...	1225	9	9	9	9	3080	70	80020	3.47	14	9.3	6.8	193
DEC													
09...	1110	9	9	9	9	3044	10	80020	3.47	16	9.0	6.6	143
JAN													
12...	1140	9	9	9	9	3044	10	80020	3.52	14	9.0	6.5	110
FEB													
10...	0900	9	8	9	9	3044	10	80020	3.77	27	11	7.4	86
MAR													
09...	0930	9	9	9	9	3070	10	80020	3.57	21	9.0	6.6	123
APR													
12...	1105	9	9	9	9	3070	70	80020	3.43	14	9.4	6.5	104
MAY													
12...	1050	9	9	9	9	3070	70	80020	3.27	9.8	17	6.5	152
13...	0920	9	5	9	9	3044	10	80020	3.98	39	100	6.4	77
JUN													
09...	1150	9	5	9	9	3070	70	80020	3.34	15	20	6.6	224
JUL													
01...	1100	9	5	9	9	3044	10	80020	5.71	138	98	6.0	137
13...	1035	9	9	9	9	3070	10	80020	3.46	16	11	6.5	196
AUG													
11...	0800	9	9	9	9	3070	10	80020	3.30	9.3	7.7	6.2	190
18...	0930	9	9	9	9	3070	10	80855	3.49	17	32	6.3	139
SEP													
13...	1130	9	9	9	9	3070	10	80020	3.46	16	11	6.5	127
13...	1131	9	9	9	9	3070	10	80855	3.46	16	11	6.5	127
13...	1132	1	9	9	9	3001	10	81350	3.46	16	11	6.5	127

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Baro-metric pres-sure, mm Hg (00025)	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Dis-solved oxygen, mg/L (00300)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Hard-ness, water, mg/L as CaCO3 (00900)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitro-gen, water, unfltrd mg/L (00605)
OCT													
14...	737	19.3	22.4	1.1	7.9	5.01	1.45	19	.46	.122	.16	2.85d	.33
NOV													
13...	751	15.2	16.2	--	8.8	--	--	--	--	--	--	--	--
DEC													
09...	744	8.0	8.8	1.0	11.6	4.97	1.33	18	.41	.184	.24	2.16d	.22
JAN													
12...	750	5.9	6.4	--	12.0	4.40	1.23	16	.35	.104	.13	1.96d	.24
FEB													
10...	746	7.1	5.9	.7	11.6	3.88	1.90	18	.28	.098	.13	1.54d	.18
MAR													
09...	738	10.2	8.5	.9	10.6	4.95	2.84	24	.25	.053	.07	1.53d	.20
APR													
12...	731	15.9	14.9	--	8.9	--	--	--	--	--	--	--	--
MAY													
12...	749	19.0	20.5	--	9.6	--	--	--	--	--	--	--	--
13...	745	20.2	20.7	1.7	7.4	3.01	1.11	12	.76	.073	.09	.975	.69
JUN													
09...	748	21.1	21.6	<.1	7.1	6.48	4.44	34	.86	.100	.13	4.87d	.76
JUL													
01...	749	22.7	26.6	4.3	7.2	6.37	1.09	20	2.9	.570d	.73	.666	2.3
13...	745	23.4	--	1.9	6.8	11.9	4.13	47	1.7	.530d	.68	4.10d	1.2
AUG													
11...	190	739	20.3	<2.0	7.8	6.92	4.59	36	.36	.050	.06	4.03d	.31
18...	139	743	21.9	2.0	7.2	5.54	2.72	25	.34	.039	.05	1.94d	.30
SEP													
13...	127	749	21.5	22.5	7.8	6.53	3.32	30	.27	.046	.06	2.21d	.32
13...	127	749	21.5	22.5	<2.0	7.8	--	--	--	--	--	--	--
13...	127	749	21.5	22.5	--	7.8	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Organic carbon, water, unfltrd mg/L (00680)	Aldrin, water, unfltrd ug/L (39330)	Chlor-dane, tech-nical, water, unfltrd ug/L (39350)	Diel-drin, water, unfltrd ug/L (39380)	alpha-Endo-sulfan, water, unfltrd ug/L (39388)	Endrin, water, unfltrd ug/L (39390)	Hepta-chlor, water, unfltrd ug/L (39410)
OCT													
14...	E.004n	.067	3.3	1.4	.09	2.8	3.6	<.001	<.1	<.002	<.002	<.002	<.001
NOV													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
09...	E.003n	.038	2.6	1.3	E.07n	7.4	1.8	<.001	<.1	<.002	<.002	<.002	<.001
JAN													
12...	E.004n	.053	2.3	1.2	E.08n	8.4	2.6	<.001	<.1	<.002	<.002	<.002	<.001
FEB													
10...	<.006	.039	1.8	.9	.15	7.9	1.7	<.001	<.1	<.002	<.002	<.002	<.001
MAR													
09...	.007	.042	1.8	1.2	.12	6.3	2.2	<.001	<.1	<.002	<.002	<.002	<.001
APR													
12...	--	--	--	--	--	--	--	<.001	<.1	<.002	<.002	<.002	<.001
MAY													
12...	--	--	--	--	--	--	--	<.001	<.1	<.002	<.002	<.002	<.001
13...	E.004n	.21oc	1.7	1.2	.15	3.6	9.4	--	--	--	--	--	--
JUN													
09...	E.005n	.070	5.7	1.9	.45	6.2	4.4	<.001	<.1	<.002	<.002	<.002	<.001
JUL													
01...	<.006	.116	3.6	2.6	E.07n	12.0	8.6	--	--	--	--	--	--
13...	.017	.098	5.8	1.8	.21	6.7	3.7	<.001	<.1	<.002	<.002	<.002	<.001
AUG													
11...	.006	.049	4.4	6.2	.10	4.8	2.7	<.001	<.1	<.002	<.002	<.002	<.001
18...	.012	.069	2.3	1.6	.10	3.5	3.7	--	--	--	--	--	--
SEP													
13...	.006	.046	2.5	1.1	E.07n	4.0	2.9	<.001	<.1	<.002	<.002	<.002	<.001
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Heptachlor epoxide water unfltrd ug/L (39420)	Lindane water, unfltrd ug/L (39340)	p,p'-Methoxychlor, water, unfltrd ug/L (39480)	Mirex, water, unfltrd ug/L (39755)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	PCBs, water, unfltrd ug/L (39516)	Sample volume, Schedule 1398, mL (99864)	Toxaphene, water, unfltrd ug/L (39400)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Diphenylhydrazine, water, unfltrd ug/L (82626)
OCT													
14...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	889	<1	<.2	<.1	<1
NOV													
13...	--	--	--	--	--	--	--	--	--	--	<.2	<.1	<2
DEC													
09...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	877	<1	<.2	<.1	<2
JAN													
12...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	883	<1	<.2	<.1	<2
FEB													
10...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	933	<1	<.2	<.1	<2
MAR													
09...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	826	<1	<.2	<.1	<2
APR													
12...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	920	<1	<.2	<.1	<2
MAY													
12...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	889	<1	<.2	<.1	<2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	899	<1	<.2	<.1	<2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	895	<1	<.2	<.1	<2
AUG													
11...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	907	<1	<.2	<.1	<2
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
13...	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	914	<1	<.2	<.1	<2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,4,6-Tri-chloro-phenol, water, unfltrd ug/L (34621)	2,4-Di-chloro-phenol, water, unfltrd ug/L (34601)	2,4-Di-methyl-phenol, water, unfltrd ug/L (34606)	2,4-Di-nitro-phenol, water, unfltrd ug/L (34616)	2,4-Di-nitro-toluene water unfltrd ug/L (34611)	2,6-Di-nitro-toluene water unfltrd ug/L (34626)	2-Chloro-naphth-alene, water, unfltrd ug/L (34581)	2-chloro-phenol, water, unfltrd ug/L (34586)	2-nitro-phenol, water unfltrd ug/L (34591)	3,3'-Di chloro-benzi-dine, water, unfltrd ug/L (34631)	2-Methyl-4,6-di-nitro-phenol, wat unf ug/L (34657)
OCT													
14...	<.1	<.1	Mt	<2	<2.0	<3	<3	<2	<2	<2	<1	<.9mc	<2mc
NOV													
13...	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
DEC													
09...	<.1	<.1	Mt	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
JAN													
12...	<.1	<.1	Mt	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
FEB													
10...	<.1	<.1	Mt	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
MAR													
09...	<.1	<.1	Mt	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
APR													
12...	<.1	<.1	Mt	Mt	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
MAY													
12...	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
AUG													
11...	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
13...	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1	<1	<1	<.9mc	<2mc
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	4-Bromophenyl phenyl ether, wat unf ug/L (34636)	4-Chloro-3-methylphenol, wat unf ug/L (34452)	4-Chlorophenyl phenyl ether, wat unf ug/L (34641)	4-Nitrophenol, water, unfltrd ug/L (34646)	Acenaphthene, water, unfltrd ug/L (34205)	Acenaphthylene, water, unfltrd ug/L (34200)	Anthracene, water, unfltrd ug/L (34220)	Benzo[a]anthracene, water, unfltrd ug/L (34526)	Benzidine, water, unfltrd ug/L (39120)	Benzo[a]pyrene, water, unfltrd ug/L (34247)	Benzo[k]fluoranthene water unfltrd ug/L (34242)	Benzo[g,h,i]perylene, water, unfltrd ug/L (34521)	Benzo[b]fluoranthene water unfltrd ug/L (34230)
OCT													
14...	<2	<3	<2	<4mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	<2
NOV													
13...	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	<2
DEC													
09...	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	<2
JAN													
12...	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	<2
FEB													
10...	Mt	<2	<1	<2mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	Mt
MAR													
09...	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	<2
APR													
12...	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	<2
MAY													
12...	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	<2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	<2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc	<1	<1	<2	<2
AUG													
11...	<2	<2	<1	<2mc	<2	<2	<2	<2	--u	<1	<1	<2	<2
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
13...	<2	<2	<1	<2mc	<2	<2	<2	<2	--u	<1	<1	<2	<2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Bis(2-chloro-ethoxy) methane water unfltrd ug/L (34278)	Bis(2-chloro-iso-propyl) ether, wat unf ug/L (34283)	Bis(2-chloro-ethyl) ether, water, unfltrd ug/L (34273)	Bis(2-ethyl-hexyl) phthal-ate, wat unf ug/L (39100)	Benzyl n-butyl phthal-ate, water, unfltrd ug/L (34292)	Chrys-ene, water, unfltrd ug/L (34320)	Di-n-butyl phthal-ate, water, unfltrd ug/L (39110)	Di-n-octyl phthal-ate, water, unfltrd ug/L (34596)	Di-benzo-[a,h]-anthra-cene, wat unf ug/L (34556)	Di-ethyl phthal-ate, water, unfltrd ug/L (34336)	Di-methyl phthal-ate, water, unfltrd ug/L (34341)	Fluor-anthene water unfltrd ug/L (34376)	9H-Fluor-ene, water, unfltrd ug/L (34381)
OCT													
14...	<3	<2	<2	Mt	<2	<3	<2	<2	<1	<2	<1	Mt	<2
NOV													
13...	<1	<1	<1	<2	<2	<1	<2	<2	<2	<2	<1	<1	<1
DEC													
09...	<1	<1	<1	<2	<2	<1	<2	<2	<2	<2	<1	<1	<1
JAN													
12...	<1	<1	<1	E5	<2	<1	<2	<2	<2	<2	<1	<1	<1
FEB													
10...	<1	<1	<1	<2	<2	<1	<2	<2	<2	<2	<1	<1	<1
MAR													
09...	<1	<1	<1	<2	<2	<1	<2	<2	<2	<2	<1	<1	<1
APR													
12...	<1	<1	<1	<2	<2	<1	<2	<2	<2	<2	<1	Mt	<1
MAY													
12...	<1	<1	<1	<2	<2	<1	<2	<2	<2	<2	<1	Mt	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	<1	<1	<1	<2	<2	<1	<2	<2	<2	<2	<1	<1	<1
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<1	<1	<1	<2	<2	<1	<2	<2	<2	<2	<1	<1	<1
AUG													
11...	<1	<1	<1	<2	<2	<1	<2	<2	<2	<2	<1	<1	<1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
13...	<1	<1	<1	<2	Mn	<1	<2	<2	<2	<2	Mt	Mt	<1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Hexa-chloro-benzene water unfltrd ug/L (39700)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-cyclo-penta-diene, wat unf ug/L (34386)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Indeno-[1,2,-3-cd]-pyrene, water, unfltrd ug/L (34403)	Iso-phorone water unfltrd ug/L (34408)	N-NItroso-di-n-propyl-amine, wat unf ug/L (34428)	N-NItroso-di-methyl-amine, wat unf ug/L (34438)	Naphth-alene, water, unfltrd ug/L (34696)	Nitro-benzene water unfltrd ug/L (34447)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Phenan-threne, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)
OCT													
14...	<2	<.2	<1mc	<2mc	<3	<2	<2	<3	<.5	<1	<2mc	<2	E.2t
NOV													
13...	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5	<1	<2mc	<1	<1.6
DEC													
09...	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5	<1	<2mc	<1	E.7t
JAN													
12...	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5	<1	<2mc	<1	<1.6
FEB													
10...	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5	<1	<2mc	<1	<1.6
MAR													
09...	<1	<.2	<1mc	<2mc	<2	Mt	<2	<2	<.5	<1	<2mc	<1	E.3t
APR													
12...	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5	<1	<2mc	<1	E1.0n
MAY													
12...	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5	<1	<2mc	<1	<1.6
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5	<1	<2mc	<1	<1.6
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5	<1	<2mc	<1	<1.6
AUG													
11...	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5	<1	<2mc	<1	E.4t
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
13...	<1	<.2	<1mc	<2mc	<2	Mt	<2	<2	<.5	<1	<2mc	Mt	<1.6
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Pyrene, water, unfltrd ug/L (34469)	Sample volume, Sched-ule 1383, mL (99855)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1- Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)	1,1,2- Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3- Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3- Tri-chloro-propane water unfltrd ug/L (77443)	1,2,4- Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
OCT													
14...	Mt	801	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
NOV													
13...	<2	892	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
DEC													
09...	<2	857	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
JAN													
12...	<2	809	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
FEB													
10...	Mt	841	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
MAR													
09...	<2	866	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
APR													
12...	M	899	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
MAY													
12...	Mt	864	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	<2	888	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<2	897	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
AUG													
11...	<2	863	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
13...	Mt	863	<.2	<.1	<.2	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.5
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)
OCT													
14...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
NOV													
13...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
DEC													
09...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
JAN													
12...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
FEB													
10...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
MAR													
09...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
APR													
12...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
MAY													
12...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
AUG													
11...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
13...	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.1	<.2	<.2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Tri-bromo-methane water unfltrd ug/L (32104)	Bromo-methane water unfltrd ug/L (34413)	n-Butyl benzene water unfltrd ug/L (77342)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Tri-chloro-methane water unfltrd ug/L (32106)	Chloro-methane water unfltrd ug/L (34418)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)
OCT													
14...	<.1	<.2	<.3	<.2	<.1	<.2	<.1	<.2mc	<.2	<.2	<.2	<.2mc	<.2
NOV													
13...	.4	<.2	<.3	<.2	<.1	<.2	.6	<.2mc	<.2	<.2	<.2	<.2mc	<.2
DEC													
09...	<.1	<.2	<.3	<.2	<.1	<.2	<.1	<.2mc	<.2	<.2	<.2	<.2mc	<.2
JAN													
12...	<.1	<.2	<.3	<.2	<.1	<.2	<.1	<.2mc	<.2	<.2	<.2	<.2mc	<.2
FEB													
10...	<.1	<.2	<.3	<.2	<.1	<.2	<.1	<.2mc	<.2	<.2	<.2	<.2mc	<.2
MAR													
09...	.1	<.2	<.3	<.2	<.1	<.2	.1	<.2mc	<.2	<.2	<.2	<.2mc	<.2
APR													
12...	<.1	<.2	<.3	<.2	<.1	<.2	<.1	<.2mc	<.2	<.2	<.2	<.2mc	<.2
MAY													
12...	.2	<.2	<.3	<.2	<.1	<.2	<.1	<.2mc	<.2	.3	<.2	<.2mc	<.2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	.3	.2	<.3	<.2	<.1	<.2	.1	<.2mc	<.2	.5	<.2	<.2mc	<.2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	.2	.4	<.3	<.2	<.1	<.2	<.1	<.2mc	<.2	.5	<.2	<.2mc	<.2
AUG													
11...	.3	.8	<.3	<.2	<.1	<.2	.1	<.2mc	<.2	.9	<.2	<.2mc	<.2
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
13...	.2	E.2	<.3	<.2	<.1	<.2	.1	<.2mc	<.2	.3	<.2	<.2mc	<.2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ethyl-benzene water unfltrd ug/L (34371)	Iso-propyl-benzene water unfltrd ug/L (77223)	n-propyl-benzene water unfltrd ug/L (77224)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	Tri-chloro-ethene, water, unfltrd ug/L (39180)
OCT													
14...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
NOV													
13...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
DEC													
09...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
JAN													
12...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
FEB													
10...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
MAR													
09...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
APR													
12...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
MAY													
12...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
AUG													
11...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
13...	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.1	<.1	<.2	<.1
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Xylenes water unfltrd ug/L (81551)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT								
14...	<.2	<.2	<.2	E.7	<.1	12	.36	38
NOV								
13...	<.2	<.2	<.2	--	--	--	--	--
DEC								
09...	<.2	<.2	<.2	E.9d	<.1d	6	.26	61
JAN								
12...	<.2	<.2	<.2	E.5d	<.1d	3	.12	84
FEB								
10...	<.2	<.2	<.2	E.3	<.1	6	.48	46
MAR								
09...	<.2	<.2	<.2	E.7d	<.1d	5	.30	63
APR								
12...	<.2	<.2	<.2	2.3d	E.3d	--	--	--
MAY								
12...	<.2	<.2	<.2	E.1d	<.1d	--	--	--
13...	--	--	--	1.2d	E.3d	72	7.6	48
JUN								
09...	<.2	<.2	<.2	.4d	E.2d	20	.79	71
JUL								
01...	--	--	--	E2.5d	E.4d	101	38	50
13...	<.2	<.2	<.2	1.3d	E.2d	15	.63	63
AUG								
11...	<.2	<.2	<.2	E.5d	<.1d	10	.25	86
18...	--	--	--	--	--	10	.46	86
SEP								
13...	<.2	<.2	<.2	--	--	9	.37	53
13...	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--

Remark codes used in this table:
  < -- Less than
  E -- Estimated value
  M -- Presence verified, not quantified
Value qualifier codes used in this table:
  c -- See laboratory comment
  d -- Diluted sample: method hi range exceeded
  m -- Value is highly variable by this method
  n -- Below the LRL and above the LT-MDL
  o -- Result determined by alternate method
  t -- Below the long-term MDL
Null value qualifier codes used in this table:
  u -- Unable to determine-matrix interference

ALTAMAHA RIVER BASIN
2004 Water Year

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°35'25", long 83°59'32", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, approximately 1.4 miles east of Velta, GA.

DRAINAGE AREA.—16.9 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.— Invertebrates: June 5, 2003 and August 3, 2004. Fishes: June 23, 2003 and September 22, 2004.

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 235 meters. Abbreviations: sp.-species, mm- millimeters, g-grams.

Invertebrates

	Abundance	
	Multi-habitat	Visual
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Procambarus sp.	2	
Insecta		
Ephemeroptera		
Baetidae		
Baetis intercalaris	1	
Odonata		
Aeshnidae		
Boyeria vinosa	1	
Gomphidae		
Gomphus sp.		1
Progomphus obscurus	1	2
Hemiptera		
Gerridae		
Aquarius sp.		1
Rheumatobates sp.		
Trepobates sp.		1
Veliidae		
Rhagovelia obesa		5
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	3	
Diptera		
Chironomidae		
Ablabesmyia mallochi	4	
Orthocladius sp.	1	
Polypedilum illinoens	3	
Tanytarsus sp.	1	
Tribelos sp.	13	

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA —continued.

Fishes

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Ameiurus brunneus	snail bullhead	1	165	3.4
Ameiurus natalis	yellow bullhead	1	95	11.8
Ameiurus natalis	yellow bullhead	1	240	152.5
Esox niger	chain pickerel	1	255	98.6
Etheostoma inscriptum	turquoise darter	1	49	1.2
Etheostoma inscriptum	turquoise darter	1	50	1.2
Lepomis auritus	redbreast sunfish	1	50	2.1
Lepomis auritus	redbreast sunfish	1	130	39.9
Lepomis auritus	redbreast sunfish	1	148	57.6
Lepomis auritus	redbreast sunfish	1	120	25.2
Lepomis auritus	redbreast sunfish	1	80	8.0
Lepomis auritus	redbreast sunfish	1	188	25.0
Lepomis auritus	redbreast sunfish	1	178	89.2
Lepomis auritus	redbreast sunfish	1	180	87.0
Lepomis cyanellus	green sunfish	1	75	8.8
Lepomis gulosus	warmouth	1	49	1.8
Lepomis macrochirus	bluegill	1	40	1.0
Lepomis macrochirus	bluegill	1	110	21.1
Lepomis macrochirus	bluegill	1	103	18.8
Lepomis macrochirus	bluegill	11		37.6
Lepomis macrochirus	bluegill	1	90	12.2
Lepomis macrochirus	bluegill	1	95	13.0
Lepomis macrochirus	bluegill	1	35	0.5
Lepomis macrochirus	bluegill	1	64	4.1
Lepomis macrochirus	bluegill	1	101	16.7
Lepomis macrochirus	bluegill	1	50	1.7
Lepomis macrochirus	bluegill	1	57	4.3
Lepomis macrochirus	bluegill	1	125	34.7
Lepomis macrochirus	bluegill	1	64	3.4
Lepomis macrochirus	bluegill	1	63	3.7
Lepomis macrochirus	bluegill	1	52	1.7
Lepomis macrochirus	bluegill	1	45	1.4
Lepomis macrochirus	bluegill	1	70	5.0
Lepomis macrochirus	bluegill	1	50	1.7
Lepomis macrochirus	bluegill	1	138	43.5
Lepomis macrochirus	bluegill	1	116	26.2
Lepomis macrochirus	bluegill	1	63	3.5
Lepomis macrochirus	bluegill	1	41	0.9
Lepomis macrochirus	bluegill	1	73	6.1
Lepomis macrochirus	bluegill	1	75	6.5
Lepomis macrochirus	bluegill	1	73	6.0
Lepomis macrochirus	bluegill	1	60	2.9
Lepomis macrochirus	bluegill	1	68	4.4
Lepomis macrochirus	bluegill	1	55	2.8
Lepomis macrochirus	bluegill	1	54	2.5
Lepomis macrochirus	bluegill	1	36	0.7
Lepomis macrochirus	bluegill	1	51	1.9
Lepomis microlophus	redear sunfish	1	69	4.6
Moxostoma collapsum	v-lip redhorse	1	80	5.4
Moxostoma collapsum	v-lip redhorse	1	63	3.2
Nocomis leptocephalus	bluehead chub	1	116	19.6
Nocomis leptocephalus	bluehead chub	1	95	8.8
Nocomis leptocephalus	bluehead chub	1	94	10.0
Nocomis leptocephalus	bluehead chub	1	169	61.4
Nocomis leptocephalus	bluehead chub	1	120	24.0
Nocomis leptocephalus	bluehead chub	1	43	0.9
Nocomis leptocephalus	bluehead chub	1	72	66.2
Nocomis leptocephalus	bluehead chub	1	90	9.7
Nocomis leptocephalus	bluehead chub	1	95	11.4
Nocomis leptocephalus	bluehead chub	1	165	50.5
Nocomis leptocephalus	bluehead chub	1	138	33.0
Nocomis leptocephalus	bluehead chub	1	155	42.3
Nocomis leptocephalus	bluehead chub	1	90	8.2
Nocomis leptocephalus	bluehead chub	1	169	58.2
Nocomis leptocephalus	bluehead chub	1	191	87.2
Nocomis leptocephalus	bluehead chub	1	130	30.6
Nocomis leptocephalus	bluehead chub	1	70	4.3
Nocomis leptocephalus	bluehead chub	1	105	14.2

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Nocomis leptocephalus	bluehead chub	1	43	0.9
Nocomis leptocephalus	bluehead chub	1	39	0.7
Nocomis leptocephalus	bluehead chub	1	45	0.8
Nocomis leptocephalus	bluehead chub	1	55	1.9
Nocomis leptocephalus	bluehead chub	1	48	1.3
Nocomis leptocephalus	bluehead chub	1	40	0.7
Nocomis leptocephalus	bluehead chub	1	45	1.1
Nocomis leptocephalus	bluehead chub	1	48	1.4
Nocomis leptocephalus	bluehead chub	1	38	0.7
Nocomis leptocephalus	bluehead chub	1	40	0.8
Nocomis leptocephalus	bluehead chub	1	48	1.2
Nocomis leptocephalus	bluehead chub	1	50	1.3
Nocomis leptocephalus	bluehead chub	12	batch	15.0
Notropis lutipinnis	yellowfin shiner	1	63	3.0
Notropis lutipinnis	yellowfin shiner	1	68	3.3
Notropis lutipinnis	yellowfin shiner	1	65	3.3
Notropis lutipinnis	yellowfin shiner	1	46	0.8
Notropis lutipinnis	yellowfin shiner	1	65	2.5
Notropis lutipinnis	yellowfin shiner	1	50	1.0
Notropis lutipinnis	yellowfin shiner	1	45	1.0
Notropis lutipinnis	yellowfin shiner	1	45	0.9
Notropis lutipinnis	yellowfin shiner	1	50	1.0
Notropis lutipinnis	yellowfin shiner	1	43	0.8
Notropis lutipinnis	yellowfin shiner	1	40	0.3
Notropis lutipinnis	yellowfin shiner	1	52	1.3
Notropis lutipinnis	yellowfin shiner	1	48	0.8
Notropis lutipinnis	yellowfin shiner	1	44	0.7
Notropis lutipinnis	yellowfin shiner	1	50	1.1
Notropis lutipinnis	yellowfin shiner	1	42	0.7
Notropis lutipinnis	yellowfin shiner	1	38	0.6
Notropis lutipinnis	yellowfin shiner	1	45	0.9
Notropis lutipinnis	yellowfin shiner	1	38	0.6
Notropis lutipinnis	yellowfin shiner	1	53	1.6
Notropis lutipinnis	yellowfin shiner	1	40	0.4
Notropis lutipinnis	yellowfin shiner	1	85	6.3
Notropis lutipinnis	yellowfin shiner	1	48	1.2
Notropis lutipinnis	yellowfin shiner	1	46	1.0
Notropis lutipinnis	yellowfin shiner	1	68	3.5
Notropis lutipinnis	yellowfin shiner	1	53	1.6
Notropis lutipinnis	yellowfin shiner	1	60	2.3
Notropis lutipinnis	yellowfin shiner	1	65	3.0
Notropis lutipinnis	yellowfin shiner	1	49	1.1
Notropis lutipinnis	yellowfin shiner	1	38	0.5
Notropis lutipinnis	yellowfin shiner	53	batch	87.8
Noturus insignus	margined madtom	1	120	18.4
Percina nigrofasciata	blackbanded dart	1	82	4.8
Percina nigrofasciata	blackbanded dart	1	80	4.8
Percina nigrofasciata	blackbanded dart	1	55	1.4
Percina nigrofasciata	blackbanded dart	1	80	5.5
Percina nigrofasciata	blackbanded dart	1	66	2.3
Percina nigrofasciata	blackbanded dart	1	60	1.9
Percina nigrofasciata	blackbanded dart	1	75	3.7
Percina nigrofasciata	blackbanded dart	1	90	6.5
Percina nigrofasciata	blackbanded dart	1	54	1.2
Percina nigrofasciata	blackbanded dart	1	82	5.2
Percina nigrofasciata	blackbanded dart	1	30	0.3
Percina nigrofasciata	blackbanded dart	1	100	10.0
Percina nigrofasciata	blackbanded dart	1	91	7.4
Percina nigrofasciata	blackbanded dart	1	76	4.1
Percina nigrofasciata	blackbanded dart	1	7.3	1.3
Percina nigrofasciata	blackbanded dart	1	7.3	1.3
Percina nigrofasciata	blackbanded dart	1	80	4.8
Percina nigrofasciata	blackbanded dart	1	48	1.1
Percina nigrofasciata	blackbanded dart	1	47	1.1
Percina nigrofasciata	blackbanded dart	1	80	4.8
Percina nigrofasciata	blackbanded dart	1	90	6.3
Percina nigrofasciata	blackbanded dart	1	68	3.0
Percina nigrofasciata	blackbanded dart	1	60	1.8
Percina nigrofasciata	blackbanded dart	1	55	1.3
Percina nigrofasciata	blackbanded dart	1	86	7.4
Percina nigrofasciata	blackbanded dart	1	65	2.4
Percina nigrofasciata	blackbanded dart	1	37	0.9

ALTAMAHA RIVER BASIN
2004 Water Year

02205000 WILDCAT CREEK NEAR LAWRENCEVILLE, GA

LOCATION.—Lat 34°00'07", long 84°00'18", referenced to North American Datum (NAD) of 1983, Gwinnett County, Hydrologic Unit 03070103, at culvert on Russell Road, 3.3 miles north of Lawrenceville.

DRAINAGE AREA.—1.59 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1954 to 1982 (operated as a continuous-record gaging station at a different datum), 1983 to 1984 (operated at a different datum), 1996 to current year.

REVISED RECORDS.—WDR GA-03-1: 2001, 2002 annual peaks, WRD GA-04-01: 2002 annual peak.

GAGE.—Crest-stage partial-record gage. Datum of gage is 967.55 feet above National Geodetic Vertical Datum (NGVD) of 1929.

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

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.20 feet, May 6, 1956
DISCHARGE: 806 cfs, May 6, 1956

MAXIMUM FOR CURRENT YEAR.—
STAGE: 5.37 feet, September 16
DISCHARGE: 702 cfs, September 16

MAXIMUM FOR 2002 WATER YEAR YEAR.—
STAGE: <3.64 feet, Not determined, peak below bottom of gage
DISCHARGE: <319 cfs, Not determined, peak below bottom of gage

ALTAMAHA RIVER BASIN
2004 Water Year

02205230 WOLF CREEK AT DEAN ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°00'04", long 84°02'57", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Dean Road, 3.8 miles south of Suwanee.

DRAINAGE AREA.—0.39 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

REVISED RECORDS.—WDR GA-04-1: Gage datum.

GAGE.—Crest-stage partial-record gage. Datum of gage is 980.00 feet (revised) above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

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

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.47 feet, October 5, 1995
DISCHARGE: 220 cfs, October 5, 1995

MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.23 feet, September 16
DISCHARGE: 209 cfs, September 16

ALTAMAHA RIVER BASIN
2004 Water Year

02205500 PEW CREEK NEAR LAWRENCEVILLE, GA

LOCATION.—Lat 33°56'05", long 84°01'00", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Johnson Road, 2.2 miles southwest of Lawrenceville.

DRAINAGE AREA.—2.23 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1954 to 1963 (at a different datum), 1995 to current year.

GAGE.--Crest-stage partial-record gage. Datum of gage is 930.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from barometer).

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

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 13.39 feet, October 5, 1995
DISCHARGE: 2,440 cfs, October 5, 1995

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.74 feet, September 16
DISCHARGE: 722 cfs, September 16

2004 Water Year

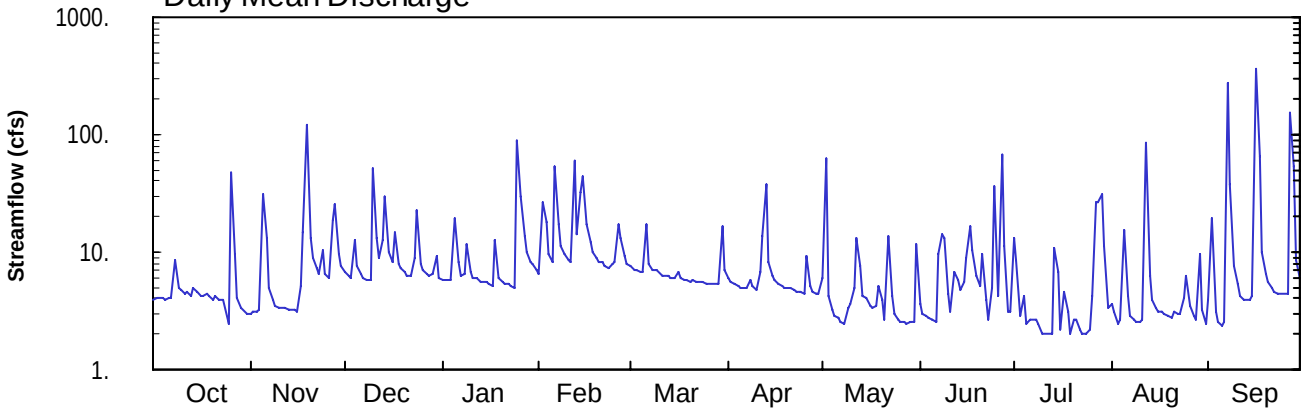
ALTAMAHA RIVER BASIN

02205522 PEW CREEK AT PATTERSON RD, NEAR LAWRENCEVILLE, GA

Latitude: 33°55'33" Longitude: 084°02'16" Hydrologic Unit Code: 03070103

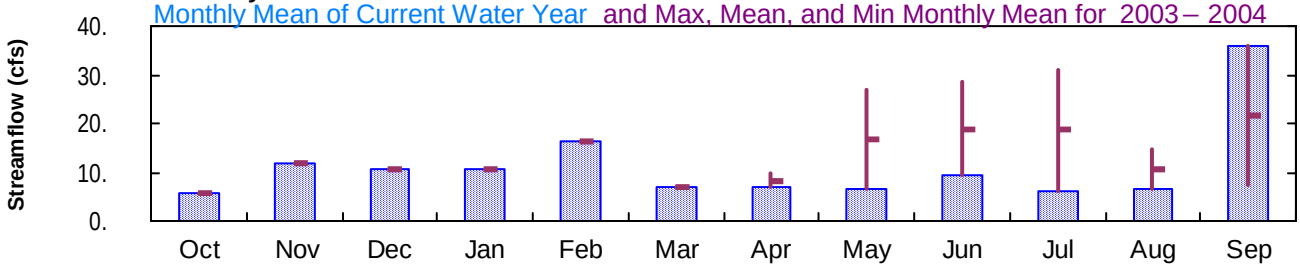
Gwinnett County Datum: 950.00 feet Drainage Area: 7. mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2003 and 2004 Water Years

02205522 PEW CREEK AT PATTERSON ROAD, NEAR LAWRENCEVILLE, GA

LOCATION.—Lat 33°55'33", long 84°02'16", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at bridge crossing on Patterson Road, 1.0 miles east of intersection of GA 29 and Patterson Road.

DRAINAGE AREA.—7.0 square miles.

COOPERATION.—City of Lawrenceville.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 27, 2003 to current year.

GAGE.—Water-stage recorder. Datum of gage 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 27, 2003 to current year.

GAGE.—Water-stage recorder. Datum of gage 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR 2003 WATER YEAR.—Maximum gage-height recorded, 18.14 feet (from floodmark), June 17; minimum gage-height recorded, 3.63 feet, May 1.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.24 feet, September 16; minimum gage-height recorded, 3.57 feet, October 24, 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 27, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02205522 PEW CREEK AT PATTERSON RD, NEAR LAWRENCEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335533 LONGITUDE 0840216 NAD27 DRAINAGE AREA 7.0* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	3.0	6.8	5.8	6.6	7.6	6.1	6.1	3.6	e13	e3.6	3.9
2	4.1	3.1	6.3	5.7	26	7.1	5.5	63	3.0	e8.6	e3.1	19
3	4.0	3.2	6.0	5.7	18	7.0	5.3	4.3	2.8	e2.9	e2.4	3.1
4	4.0	3.3	13	5.7	9.7	6.7	5.1	3.2	2.7	e4.3	e2.7	2.6
5	4.0	31	7.5	20	8.3	6.6	5.0	2.8	2.6	e2.4	15	2.4
6	4.0	13	6.4	8.2	53	17	5.0	2.7	2.6	e2.7	4.2	2.5
7	4.1	4.9	6.0	6.3	17	7.8	5.0	2.5	9.5	e2.7	2.9	279
8	8.5	3.9	5.9	6.4	11	6.9	5.7	2.5	14	e2.7	2.6	37
9	4.9	3.5	5.8	11	9.7	7.0	5.1	3.4	13	e2.4	2.5	7.7
10	4.7	3.4	51	6.8	8.7	e6.7	4.8	3.6	4.4	e2.0	2.5	5.4
11	4.5	3.3	13	6.0	8.1	e6.3	6.9	5.0	3.1	e2.0	2.6	4.3
12	4.7	3.3	8.9	5.9	60	6.3	14	13	6.8	e2.0	87	3.9
13	4.3	3.2	13	5.6	14	6.2	37	7.6	5.8	e2.0	6.2	4.0
14	5.0	3.2	30	5.6	33	6.0	8.2	4.3	4.7	e11	3.9	4.0
15	4.6	3.2	10	5.6	43	6.1	6.2	4.0	5.5	e6.8	3.3	4.3
16	4.2	3.1	8.3	5.3	17	6.9	5.7	3.5	8.8	e2.2	3.1	e364
17	4.2	5.2	15	5.2	12	6.0	5.4	3.4	16	e4.5	3.0	65
18	4.4	15	8.0	13	10	5.8	5.2	3.5	11	e3.1	2.9	10
19	4.3	122	7.2	6.1	8.9	5.7	5.0	5.1	6.3	e2.0	2.8	6.5
20	4.0	13	6.7	5.7	8.3	5.6	5.0	4.0	5.1	e2.7	2.8	5.5
21	4.2	8.9	6.4	5.4	8.3	5.9	4.9	2.7	9.7	e2.7	3.1	5.0
22	3.9	7.3	6.3	5.3	7.7	5.5	4.7	14	e3.9	e2.2	3.0	4.7
23	3.9	6.5	8.8	5.1	7.2	5.5	4.7	4.2	e2.7	e2.0	3.0	4.4
24	3.4	10	23	5.0	7.9	5.5	4.6	3.0	e5.0	e2.0	4.1	4.4
25	2.5	6.5	7.8	89	8.3	5.4	4.4	2.6	e37	e2.2	6.3	4.4
26	48	6.0	7.0	29	17	5.4	9.4	2.6	e4.3	e4.3	3.4	4.4
27	9.5	19	6.5	14	13	5.4	5.2	2.6	e67	e26	2.9	151
28	4.1	25	6.3	9.9	9.1	5.4	4.6	2.5	e11	e26	2.7	53
29	3.4	9.6	6.5	8.4	8.0	5.3	4.4	2.5	e3.1	e31	9.6	8.5
30	3.1	7.7	9.2	7.8	---	16	4.4	2.6	e3.1	e11	3.2	5.9
31	3.0	---	6.1	7.0	---	7.2	---	12	---	e3.4	2.5	---
MEAN	5.79	11.8	10.6	10.7	16.2	6.90	6.75	6.41	9.27	6.28	6.55	36.0
MAX	48	122	51	89	60	17	37	63	67	31	87	364
MIN	2.5	3.0	5.8	5.0	6.6	5.3	4.4	2.5	2.6	2.0	2.4	2.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	5.79	11.8	10.6	10.7	16.2	6.90	8.31	16.7	18.9	18.8	10.5	21.6
MAX	5.79	11.8	10.6	10.7	16.2	6.90	9.87	27.0	28.5	31.2	14.5	36.0
(WY)	2004	2004	2004	2004	2004	2004	2003	2003	2003	2003	2003	2004
MIN	5.79	11.8	10.6	10.7	16.2	6.90	6.75	6.41	9.27	6.28	6.55	7.27
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL MEAN	11.0		11.0	
HIGHEST ANNUAL MEAN			11.0	2004
LOWEST ANNUAL MEAN			11.0	2004
HIGHEST DAILY MEAN	e 364	Sep 16	364	Sep 16 2004
LOWEST DAILY MEAN	e 2.0	Jul 10 a	2.0	Jul 10 2004
ANNUAL SEVEN-DAY MINIMUM	2.3	Jul 7	2.3	Jul 7 2004
MAXIMUM PEAK STAGE	13.24	Sep 16	18.14	Jun 17 2003
10 PERCENT EXCEEDS	16		16	
50 PERCENT EXCEEDS	5.5		5.5	
90 PERCENT EXCEEDS	2.7		2.7	

e Estimated
a Also Jul 11-13,19,23,24

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02205522 PEW CREEK AT PATTERSON RD, NEAR LAWRENCEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335533 LONGITUDE 0840216 NAD27 DRAINAGE AREA 7.0* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.75	3.65	3.72	3.66	3.70	3.80	3.73	3.72	3.84	---	---	3.83
2	3.75	3.66	3.69	3.66	4.10	3.78	3.70	4.91	3.78	---	---	4.19
3	3.73	3.66	3.67	3.66	4.07	3.77	3.68	3.89	3.76	---	---	3.79
4	3.73	3.67	3.91	3.66	3.83	3.76	3.67	3.80	3.75	---	---	3.74
5	3.73	4.21	3.75	3.99	3.78	3.76	3.66	3.76	3.74	---	4.04	3.71
6	3.73	4.07	3.70	3.77	4.65	4.03	3.66	3.75	3.74	---	3.88	3.73
7	3.74	3.80	3.67	3.69	4.06	3.81	3.66	3.73	3.87	---	3.77	7.28
8	3.93	3.72	3.67	3.69	3.89	3.77	3.70	3.72	4.19	---	3.74	4.58
9	3.79	3.69	3.66	3.88	3.83	3.77	3.67	3.82	4.16	---	3.73	4.07
10	3.79	3.68	4.63	3.71	3.80	3.76	3.65	3.84	3.90	---	3.73	3.97
11	3.77	3.68	3.94	3.67	3.77	3.74	3.75	3.91	3.79	---	3.74	3.90
12	3.78	3.68	3.81	3.67	4.84	3.74	3.86	4.03	3.83	---	5.15	3.86
13	3.75	3.66	3.88	3.65	4.03	3.73	4.43	4.03	3.94	---	4.00	3.87
14	3.79	3.66	4.28	3.65	4.38	3.72	3.82	3.89	3.90	---	3.86	3.87
15	3.77	3.66	3.85	3.65	4.56	3.73	3.73	3.87	3.95	---	3.81	3.89
16	3.75	3.65	3.78	3.63	4.11	3.77	3.71	3.83	3.94	---	3.79	6.02
17	3.75	3.78	3.97	3.63	3.96	3.72	3.69	3.82	4.09	---	3.79	4.99
18	3.76	3.89	3.77	3.90	3.90	3.71	3.68	3.83	3.95	---	3.77	4.11
19	3.75	5.54	3.73	3.68	3.86	3.71	3.66	3.90	3.81	---	3.76	3.98
20	3.73	3.95	3.71	3.65	3.83	3.70	3.66	3.85	3.74	---	3.76	3.92
21	3.75	3.80	3.69	3.64	3.83	3.71	3.65	3.75	3.89	---	3.79	3.89
22	3.72	3.74	3.69	3.63	3.80	3.70	3.65	4.04	---	---	3.78	3.87
23	3.73	3.70	3.75	3.62	3.79	3.69	3.64	3.88	---	---	3.78	3.85
24	3.67	3.83	4.11	3.62	3.81	3.69	3.63	3.78	---	---	3.85	3.85
25	3.58	3.70	3.76	5.29	3.83	3.69	3.63	3.74	---	---	3.92	3.85
26	4.52	3.68	3.72	4.31	4.09	3.69	3.82	3.73	---	---	3.82	3.85
27	3.96	3.95	3.70	3.96	4.00	3.69	3.67	3.73	---	---	3.77	5.80
28	3.74	4.23	3.69	3.84	3.86	3.69	3.63	3.72	---	---	3.75	4.82
29	3.68	3.83	3.70	3.79	3.82	3.68	3.62	3.73	---	---	3.92	4.06
30	3.65	3.75	3.80	3.76	---	4.01	3.62	3.73	---	---	3.80	3.95
31	3.64	---	3.68	3.72	---	3.78	---	4.03	---	---	3.72	---
MEAN	3.77	3.84	3.81	3.78	3.99	3.75	3.71	3.86	---	---	---	4.24
MAX	4.52	5.54	4.63	5.29	4.84	4.03	4.43	4.91	---	---	---	7.28
MIN	3.58	3.65	3.66	3.62	3.70	3.68	3.62	3.72	---	---	---	3.71

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02205522 PEW CREEK AT PATTERSON RD, NEAR LAWRENCEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335533 LONGITUDE 0840216 NAD27 DRAINAGE AREA 7.0* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	---	---	---	0.39
2	0.01	0.00	0.00	0.00	0.65	0.00	0.00	0.03	---	---	---	0.01
3	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	---	---	---	0.00
4	0.00	0.01	0.34	0.00	0.00	0.01	0.00	0.00	---	---	---	0.00
5	0.00	1.08	0.01	0.50	0.02	0.00	0.00	0.00	---	---	0.07	0.00
6	0.03	0.12	0.00	0.00	0.84	0.13	0.00	0.00	---	---	0.00	3.17
7	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	1.09
8	0.28	0.00	0.00	0.04	0.00	0.00	0.10	0.00	---	---	0.00	0.00
9	0.02	0.00	0.00	0.20	0.00	0.00	0.01	0.00	0.09	---	0.00	0.00
10	0.00	0.00	1.07	0.02	0.01	0.00	0.00	0.00	0.00	---	0.00	0.00
11	0.02	0.00	0.00	0.00	0.14	0.00	0.21	---	0.00	---	2.43	0.00
12	0.00	0.00	0.00	0.00	0.86	0.00	0.78	---	0.11	---	0.00	0.00
13	0.00	0.00	0.41	0.00	0.00	0.00	0.20	---	0.19	---	0.00	0.00
14	0.12	0.00	0.22	0.00	0.50	0.00	0.00	---	0.15	---	0.00	0.00
15	0.00	0.00	0.00	0.00	0.43	0.07	0.00	---	0.20	---	0.00	0.40
16	0.00	0.01	0.11	0.00	0.00	0.05	0.00	---	0.13	---	0.00	2.96
17	0.07	0.23	0.14	0.21	0.01	0.00	0.00	---	0.02	---	0.00	0.01
18	0.00	0.99	0.01	0.13	0.00	0.00	0.00	---	0.09	---	0.00	0.00
19	0.00	1.37	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.06	0.00	---	0.00	---	0.11	0.00
21	0.00	0.00	0.00	0.00	0.04	0.00	0.00	---	0.10	---	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.30	---	0.00	0.00
23	0.00	0.00	0.52	0.00	0.00	0.00	0.00	---	0.22	---	0.00	0.00
24	0.00	0.21	0.01	0.00	0.06	0.00	0.00	---	0.01	---	0.00	0.00
25	0.00	0.00	0.00	1.82	0.16	0.00	0.00	---	---	---	0.48	0.00
26	1.67	0.00	0.00	0.05	0.07	0.00	0.42	---	---	---	0.00	0.07
27	0.01	0.64	0.00	0.00	0.45	0.00	0.00	---	---	---	0.00	2.71
28	0.00	0.23	0.00	0.00	0.00	0.00	0.00	---	---	---	0.00	0.00
29	0.00	0.00	0.06	0.00	0.00	0.32	0.00	---	---	---	0.01	0.00
30	0.00	0.00	0.13	0.00	---	0.21	0.07	---	---	---	0.00	0.00
31	0.00	---	0.00	0.00	---	0.14	---	---	---	---	0.18	---
TOTAL	2.25	4.89	3.04	2.97	4.26	0.99	1.79	---	---	---	---	10.81

ALTAMAHA RIVER BASIN
2004 Water Year

02205596 YELLOW RIVER TRIBUTARY AT PLANTATION ROAD, NEAR LAWRENCEVILLE, GA

LOCATION.—Lat 33°54'45", long 84°02'45", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Plantation Road, 4.5 miles southwest of Lawrenceville.

DRAINAGE AREA.—7.23 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1994 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 10.11 feet, April 9, 1998
DISCHARGE: 1,220 cfs, April 9, 1998

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.33 feet, September 16
DISCHARGE: 681 cfs, September 16

ALTAMAHA RIVER BASIN
2004 Water Year

02206105 JACKSON CREEK AT ANGELS LANE, NEAR LILBURN, GA

LOCATION.—Lat 33°53'12", long 84°12'42", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Angel's Lane, 4.2 miles west of Lilburn.

DRAINAGE AREA.—0.18 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1986 to September 1996, October 1996 to current year. Records not equivalent due to datum change after new culvert construction during September 1996.

GAGE.—Crest-stage partial-record gage. Datum of gage is 990.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 5.17 feet, September 16, 2004
DISCHARGE: 163 cfs, September 16, 2004

MAXIMUM FOR CURRENT YEAR.—
STAGE: 5.17 feet, September 16
DISCHARGE: 163 cfs, September 16

02206136 JACKSON CREEK TRIBUTARY No. 1 AT WILLIAMS ROAD, NEAR LILBURN, GA

LOCATION.—Lat 33°53'19", long 84°10'59", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Williams Road, 2.6 miles west of Lilburn.

DRAINAGE AREA.—0.33 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.57 feet, June 17, 2003
DISCHARGE: 214 cfs, June 17, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.00 feet, September 16
DISCHARGE: 180 cfs, September 16

ALTAMAHA RIVER BASIN
2004 Water Year

02206165 JACKSON CREEK TRIBUTARY No. 2 AT WORCHESTER PLACE, NEAR LILBURN, GA

LOCATION.—Lat 33°54'09", long 84°10'01", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Worcester Plaza, 1.9 miles northwest of Lilburn.

DRAINAGE AREA.—0.10 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 11.51 feet, September 14, 1995
DISCHARGE: 101 cfs, September 14, 1995

MAXIMUM FOR CURRENT YEAR.—
STAGE: 9.81 feet, September 16
DISCHARGE: 85.0 cfs, September 16

02206465 WATSON CREEK TRIBUTARY No. 2 AT TANGLEWOOD DRIVE, AT SNELLVILLE, GA

LOCATION.—Lat 33°51'46", long 84°02'07", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Tanglewood Drive, 0.9 miles west-northwest of Snellville.

DRAINAGE AREA.—0.20 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 970.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.37 feet, July 16, 1989
DISCHARGE: 168 cfs, July 16, 1989

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.23 feet, September 16
DISCHARGE: 124 cfs, September 16

ALTAMAHA RIVER BASIN
2004 Water Year

02207000 GARNER CREEK NEAR SNELLVILLE, GA

LOCATION.—Lat 33°51'45", long 84°05'50", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Five Forks-Trickum Road, 4.4 miles west of Snellville.

DRAINAGE AREA.—5.54 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1954 to 1963, 1995 to May 6, 2004. Records not equivalent due to datum change.

GAGE.—Crest-stage partial-record gage. Datum of gage is 830.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined. Gage removed on May 6, 2004 due to road construction. Probable peak for 2004 water year occurred on September 16, 2004.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.43 feet, October 5, 1995
DISCHARGE: 1,390 cfs, October 5, 1995

MAXIMUM RECORDED FOR CURRENT YEAR.—
STAGE: 7.65 feet, November 19
DISCHARGE: 1,230 cfs, November 19

2004 Water Year

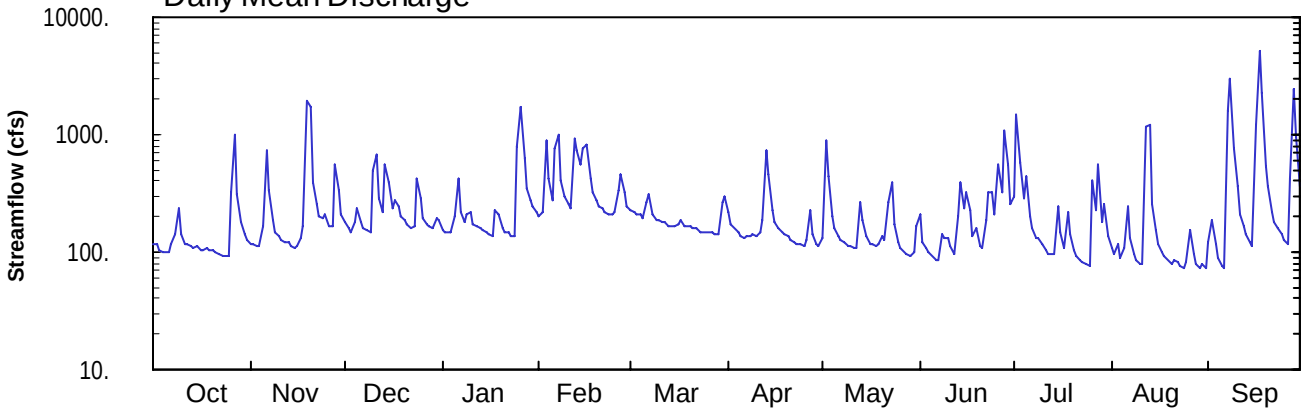
ALTAMAHA RIVER BASIN

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA

Latitude: 33°46'22" Longitude: 084°03'30" Hydrologic Unit Code: 03070103

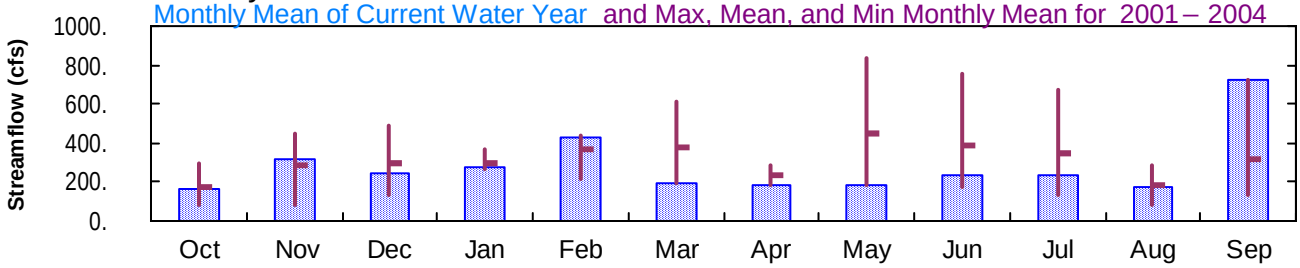
Gwinnett County Datum: 770.00 feet Drainage Area: 162. mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



ALTAMAHA RIVER BASIN
2004 Water Year

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA

LOCATION.—Lat 33°46'22", long 84°03'30", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, on GA 124 bridge, 5.0 miles south of the intersection of GA 124 and US 78.

DRAINAGE AREA.—162 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 16, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 770.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 16, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 770.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 14.39 feet, September 17; minimum gage-height, 2.86 feet, July 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 16, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0* CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	118	178	157	199	228	214	130	210	304	108	123
2	118	116	158	149	222	219	173	905	123	1450	97	187
3	105	114	149	148	898	214	157	435	106	576	119	119
4	99	112	179	147	417	206	148	201	99	292	89	88
5	101	164	237	201	273	195	138	157	92	436	109	77
6	100	730	181	431	753	267	134	137	86	202	244	74
7	115	339	162	221	1010	316	134	127	85	159	131	1590
8	e140	189	156	178	412	213	134	120	142	133	98	2970
9	e240	150	148	213	296	187	140	113	133	132	87	758
10	143	135	500	220	255	187	135	112	130	119	80	357
11	119	126	672	175	235	181	147	107	111	105	80	212
12	115	123	288	164	930	178	189	110	95	98	1180	168
13	111	119	219	158	732	169	741	269	198	95	1220	141
14	108	114	554	153	547	167	461	183	396	95	257	124
15	112	110	389	149	758	168	224	134	236	247	154	112
16	105	112	240	142	830	175	180	118	321	147	116	1230
17	103	132	280	139	420	190	162	118	229	107	98	e5200
18	109	168	241	223	317	168	148	113	138	218	92	2290
19	105	1980	199	210	272	163	142	115	162	143	86	537
20	102	1750	184	162	245	163	136	139	112	102	80	365
21	100	398	170	150	234	163	129	125	109	91	86	220
22	97	256	161	145	222	157	124	263	184	86	83	179
23	93	203	166	139	209	147	119	400	318	83	77	157
24	93	195	424	136	209	146	116	170	316	79	75	140
25	92	214	288	785	215	147	114	120	211	77	82	125
26	322	167	193	1730	337	147	126	107	552	410	155	117
27	1000	169	176	626	455	146	223	101	322	229	94	427
28	315	547	164	351	323	144	140	96	1100	551	78	2440
29	177	340	159	271	249	144	119	92	567	177	72	967
30	142	209	196	242	---	262	114	100	252	256	80	366
31	127	---	186	217	---	297	---	169	---	135	74	---
TOTAL	4925	9599	7597	8532	12474	5854	5361	5586	7135	7334	5481	21860
MEAN	159	320	245	275	430	189	179	180	238	237	177	729
MAX	1000	1980	672	1730	1010	316	741	905	1100	1450	1220	5200
MIN	92	110	148	136	199	144	114	92	85	77	72	74
CFSM	0.98	1.98	1.51	1.70	2.66	1.17	1.10	1.11	1.47	1.46	1.09	4.50
IN.	1.13	2.20	1.74	1.96	2.86	1.34	1.23	1.28	1.64	1.68	1.26	5.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	178	285	291	301	363	378	232	446	391	351	181	320
MAX	296	453	493	366	438	614	284	839	757	678	282	729
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2004
MIN	79.7	82.5	135	262	219	189	179	180	178	137	84.7	128
(WY)	2002	2002	2002	2003	2002	2004	2004	2004	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	153412		101738			
ANNUAL MEAN	420		278		315	
HIGHEST ANNUAL MEAN					464	2003
LOWEST ANNUAL MEAN					202	2002
HIGHEST DAILY MEAN	5280	Jul 2	e 5200	Sep 17	5280	Jul 2 2003
LOWEST DAILY MEAN	92	Oct 25	72	Aug 29	42	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	97	Oct 19	81	Aug 19	44	Sep 7 2002
MAXIMUM PEAK FLOW					6840	May 6 2003
MAXIMUM PEAK STAGE			14.39	Sep 17	16.77	May 6 2003
ANNUAL RUNOFF (CFSM)	2.59		1.72		1.94	
ANNUAL RUNOFF (INCHES)	35.23		23.36		26.39	
10 PERCENT EXCEEDS	711		540		620	
50 PERCENT EXCEEDS	237		162		170	
90 PERCENT EXCEEDS	117		97		78	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0* CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.23	3.24	3.57	3.46	3.60	3.72	3.66	3.25	3.63	4.01	3.12	3.24
2	3.24	3.23	3.47	3.42	3.68	3.68	3.47	5.63	3.21	6.98	3.06	3.65
3	3.16	3.21	3.42	3.41	5.67	3.66	3.39	4.42	3.12	4.82	3.18	3.29
4	3.11	3.20	3.57	3.41	4.38	3.63	3.35	3.60	3.07	3.96	3.00	3.08
5	3.13	3.43	3.84	3.65	3.90	3.58	3.30	3.40	3.02	4.41	3.11	3.00
6	3.12	5.41	3.58	4.54	5.17	3.85	3.27	3.29	2.98	3.61	3.76	2.97
7	3.22	4.22	3.49	3.77	5.95	4.05	3.28	3.23	2.97	3.40	3.25	6.99
8	---	3.62	3.45	3.57	4.37	3.66	3.28	3.19	3.30	3.27	3.06	9.70
9	---	3.42	3.41	3.73	3.99	3.55	3.31	3.15	3.27	3.26	2.98	5.47
10	3.38	3.34	4.59	3.77	3.83	3.54	3.28	3.15	3.25	3.19	2.94	4.29
11	3.25	3.29	5.25	3.55	3.76	3.52	3.34	3.12	3.14	3.11	2.94	3.73
12	3.22	3.27	4.04	3.49	5.67	3.50	3.55	3.14	3.04	3.06	6.08	3.52
13	3.20	3.25	3.76	3.46	5.25	3.45	5.23	3.87	3.55	3.04	6.47	3.37
14	3.18	3.21	4.91	3.44	4.77	3.44	4.51	3.52	4.32	3.04	3.94	3.27
15	3.20	3.19	4.40	3.42	5.32	3.45	3.70	3.27	3.76	3.76	3.48	3.20
16	3.16	3.20	3.85	3.38	5.51	3.48	3.51	3.18	4.07	3.34	3.28	5.41
17	3.14	3.31	4.01	3.36	4.40	3.55	3.42	3.18	3.71	3.12	3.16	12.81
18	3.18	3.52	3.86	3.77	4.06	3.45	3.35	3.16	3.29	3.66	3.12	8.15
19	3.16	7.93	3.67	3.72	3.90	3.42	3.32	3.17	3.42	3.32	3.07	4.88
20	3.14	7.50	3.60	3.48	3.79	3.42	3.29	3.30	3.14	3.09	3.02	4.33
21	3.13	4.43	3.53	3.42	3.75	3.42	3.24	3.22	3.13	3.01	3.07	3.77
22	3.10	3.92	3.48	3.40	3.70	3.39	3.21	3.69	3.52	2.98	3.04	3.57
23	3.08	3.69	3.51	3.36	3.64	3.35	3.19	4.31	4.06	2.95	3.00	3.46
24	3.08	3.65	4.50	3.34	3.64	3.34	3.17	3.45	4.05	2.93	2.97	3.37
25	3.07	3.74	4.04	5.25	3.67	3.35	3.16	3.19	3.61	2.91	3.04	3.28
26	3.90	3.51	3.64	7.61	4.12	3.35	3.23	3.12	4.78	4.33	3.46	3.23
27	6.07	3.52	3.56	4.98	4.51	3.34	3.69	3.08	4.01	3.71	3.13	4.17
28	4.13	4.90	3.50	4.17	4.08	3.33	3.30	3.05	6.14	4.75	3.00	8.94
29	3.56	4.23	3.47	3.89	3.81	3.33	3.19	3.02	4.82	3.49	2.96	5.96
30	3.38	3.72	3.65	3.78	---	3.79	3.16	3.07	3.81	3.82	3.02	4.32
31	3.30	---	3.61	3.68	---	3.98	---	3.40	---	3.27	2.97	---
MEAN	---	3.91	3.81	3.83	4.34	3.53	3.44	3.41	3.64	3.60	3.34	4.75
MAX	---	7.93	5.25	7.61	5.95	4.05	5.23	5.63	6.14	6.98	6.47	12.81
MIN	---	3.19	3.41	3.34	3.60	3.33	3.16	3.02	2.97	2.91	2.94	2.97

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0* CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.48	0.00	0.13	0.00	0.57
2	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.62	0.00	0.03	0.00	0.33
3	0.00	0.00	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01
4	0.00	0.01	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00
5	0.00	1.08	0.03	0.78	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00
6	0.03	0.04	0.00	0.00	1.31	0.20	0.00	0.00	0.00	0.01	0.00	0.22
7	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.07	0.00	4.55
8	---	0.00	0.00	0.04	0.00	0.00	0.03	0.00	0.41	0.00	0.00	0.04
9	---	0.00	0.00	0.28	0.00	0.01	0.00	0.04	0.02	1.26	0.00	0.00
10	0.12	0.00	1.02	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00
11	0.00	0.00	0.00	0.00	0.22	0.00	0.11	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.11	0.00	0.58	0.82	1.12	0.00	1.93	0.00
13	0.00	0.00	0.49	0.00	0.00	0.00	0.41	0.29	0.79	0.00	0.00	0.00
14	0.02	0.00	0.30	0.00	0.52	0.00	0.01	0.00	0.19	0.38	0.00	0.00
15	0.00	0.00	0.01	0.00	0.39	0.00	0.00	0.00	0.20	0.00	0.00	0.00
16	0.00	0.00	0.09	0.00	0.00	0.09	0.00	0.00	2.11	0.00	0.00	3.97
17	0.17	0.05	0.24	0.28	0.00	0.00	0.00	0.01	0.00	0.23	0.00	0.23
18	0.01	0.52	0.00	0.13	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00
19	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
21	0.00	0.00	0.00	0.00	0.03	0.09	0.00	0.00	0.47	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	1.10	0.00	0.00	0.00
23	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00
24	0.00	0.23	0.01	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	2.37	0.24	0.00	0.00	0.00	0.18	0.97	0.00	0.00
26	1.49	0.00	0.00	0.10	0.42	0.00	0.25	0.00	0.00	0.23	0.00	0.00
27	0.01	0.80	0.00	0.00	0.28	0.00	0.01	0.00	1.44	0.19	0.00	2.37
28	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00
30	0.00	0.00	0.08	0.00	---	0.37	0.02	0.00	0.13	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.13	---	0.42	---	0.00	0.00	---
TOTAL	---	4.39	3.40	4.00	5.32	0.91	1.43	3.20	9.94	4.42	3.05	12.29

ALTAMAHA RIVER BASIN
2004 Water Year

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA

LOCATION.—Lat 33°46'22", long 84°03'30", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, on GA 124 bridge, 5.0 miles south of the intersection of GA 124 and US 78.

DRAINAGE AREA.—162 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.— August 16, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: August 16, 2001 to current year.
WATER TEMPERATURE: August 16, 2001 to current year.
TURBIDITY: August 16, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except turbidity, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 364 microsiemens, September 10, 2002; minimum recorded, 35 microsiemens, June 17, 2003.
WATER TEMPERATURE: Maximum recorded, 33.2°C, August 15, 2001; minimum recorded, 2.4°C, January 25, 2003.
TURBIDITY: Maximum recorded, 998 NTU, August 9, 2003; minimum recorded, <5.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 257 microsiemens, August 31; minimum recorded, 37 microsiemens, September 17.
WATER TEMPERATURE: Maximum recorded, 28.3°C, July 24; minimum recorded, 3.8°C, January 29.
TURBIDITY: Maximum recorded, 966 NTU, September 16; minimum recorded, <5.0 NTU on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	197	168	177	186	169	179	142	121	134	173	147	160
2	197	179	183	203	172	187	147	131	141	172	160	167
3	185	171	180	207	189	197	157	137	147	172	153	162
4	196	184	190	207	181	192	157	141	149	170	153	161
5	210	188	195	203	108	185	157	125	135	165	123	150
6	208	193	200	152	71	97	145	127	138	141	94	109
7	207	178	189	116	84	99	167	142	155	131	102	117
8	---	---	---	137	116	130	181	157	168	151	126	142
9	---	---	---	166	137	154	170	162	166	157	145	151
10	155	121	136	184	148	167	166	78	138	157	130	138
11	172	151	161	177	164	170	96	72	84	154	134	145
12	191	169	179	185	168	176	117	96	108	165	146	155
13	192	179	184	185	174	181	135	117	130	164	147	158
14	189	173	181	191	177	184	135	82	111	170	155	162
15	197	180	186	195	183	190	112	88	99	180	160	168
16	199	187	194	202	181	190	125	112	120	180	167	173
17	202	187	195	202	182	191	136	124	132	183	164	176
18	206	195	199	186	143	166	131	113	122	183	153	169
19	206	193	198	143	52	77	145	130	140	153	132	138
20	223	192	205	75	53	65	146	141	144	162	132	148
21	222	199	207	106	75	89	158	144	151	173	147	163
22	209	191	201	119	105	111	168	147	158	185	154	169
23	222	207	215	132	119	127	165	150	160	188	168	180
24	228	212	219	140	126	134	152	94	126	187	169	180
25	229	215	221	140	125	133	119	97	112	---	---	---
26	222	93	186	145	126	137	137	119	130	---	---	---
27	131	65	78	155	134	147	154	129	142	---	---	---
28	112	80	97	137	80	105	162	146	155	---	---	---
29	142	111	129	103	85	93	170	151	161	---	---	---
30	160	135	148	121	103	115	166	155	161	---	---	---
31	179	153	167	---	---	---	162	147	153	146	134	142
MONTH	---	---	---	207	52	146	181	72	138	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	156	137	147	140	125	133	145	120	135	201	177	189
2	156	115	144	143	127	136	159	130	144	177	60	100
3	125	65	84	147	135	142	163	145	157	104	77	89
4	103	80	92	148	136	143	172	152	164	128	104	118
5	122	103	114	156	136	147	170	155	164	152	124	141
6	127	65	104	155	139	149	169	153	161	169	146	156
7	85	61	71	149	112	119	173	157	165	184	162	171
8	102	85	95	135	116	129	174	160	168	192	175	183
9	120	101	114	148	124	138	175	166	171	203	182	190
10	127	117	121	162	139	151	175	162	170	202	186	193
11	134	123	127	163	142	151	178	165	172	199	187	193
12	130	59	93	165	146	157	175	149	166	204	182	195
13	89	65	75	174	158	164	149	84	113	202	117	161
14	97	89	93	178	153	166	115	88	100	143	118	131
15	91	78	85	167	151	158	148	115	130	168	140	154
16	85	67	76	164	147	152	155	132	149	194	167	179
17	106	85	96	160	137	150	169	143	160	---	---	---
18	117	106	112	157	136	147	181	159	172	---	---	---
19	132	117	124	168	145	159	186	165	176	206	186	195
20	137	123	132	172	154	163	192	166	177	208	179	200
21	136	125	132	180	159	169	193	174	185	186	160	165
22	143	130	137	175	159	168	194	176	187	190	65	162
23	149	130	142	169	152	161	194	180	185	131	91	103
24	145	133	140	170	154	164	194	178	186	140	107	124
25	144	126	139	173	154	163	203	180	190	168	140	152
26	132	114	126	178	157	169	202	179	188	184	164	174
27	116	102	111	184	165	177	187	133	159	201	180	188
28	120	112	117	186	167	176	170	136	154	222	201	209
29	136	117	129	182	165	174	189	164	176	229	212	220
30	---	---	---	180	138	161	198	178	189	230	215	224
31	---	---	---	138	111	117	---	---	---	228	144	201
MONTH	156	59	113	186	111	153	203	84	164	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	173	114	129	144	102	121	193	151	170	222	133	202
2	154	119	133	121	51	69	211	179	193	199	135	152
3	178	154	165	93	65	79	216	189	208	152	134	142
4	203	178	188	115	93	106	214	140	167	170	144	155
5	220	203	209	109	78	87	214	157	196	203	170	180
6	229	213	220	130	87	114	231	113	160	212	196	205
7	236	202	221	145	119	135	168	112	140	214	46	102
8	221	190	210	173	136	157	202	155	176	---	---	---
9	190	143	152	178	135	156	219	185	198	---	---	---
10	203	142	169	193	161	177	231	207	220	---	---	---
11	205	172	187	197	167	180	242	219	229	---	---	---
12	223	183	203	206	176	192	243	50	128	---	---	---
13	233	108	201	208	183	198	78	50	63	---	---	---
14	124	80	99	214	196	207	103	78	93	---	---	---
15	128	93	115	215	99	163	146	97	126	---	---	---
16	143	74	112	157	104	131	165	126	147	186	44	139
17	137	90	115	179	147	163	173	143	160	52	37	43
18	149	111	130	203	117	163	190	157	173	67	46	58
19	173	140	154	158	120	138	212	178	197	82	67	76
20	178	136	155	191	144	163	227	203	217	92	82	88
21	188	165	174	210	180	194	235	214	225	126	90	111
22	187	115	161	243	204	219	244	217	233	147	116	135
23	143	93	120	243	208	230	235	200	217	158	130	147
24	134	98	110	247	217	235	243	209	228	171	140	155
25	145	101	124	253	204	243	246	217	232	180	152	169
26	155	78	88	238	85	149	256	130	202	194	162	178
27	116	80	103	124	90	113	179	126	152	192	63	156
28	106	64	73	142	80	97	210	177	191	85	49	56
29	91	72	83	140	91	120	227	195	210	84	58	70
30	120	91	109	156	108	131	250	212	232	103	84	93
31	---	---	---	162	121	142	257	191	220	---	---	---
MONTH	236	64	147	253	51	154	257	50	184	---	---	---

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.3	16.1	17.0	17.2	14.8	15.8	9.2	7.3	8.2	8.4	6.6	7.5
2	17.5	15.8	16.5	17.5	15.1	16.1	9.4	7.9	8.7	9.2	7.5	8.3
3	17.0	15.1	15.9	17.5	15.1	16.2	8.5	8.1	8.3	11.3	9.1	10.2
4	17.8	14.9	16.2	17.9	16.3	17.1	8.2	0.4	7.7	12.8	11.2	11.9
5	18.5	15.7	17.0	20.0	17.6	18.5	7.7	7.3	7.5	13.8	12.6	13.2
6	18.7	17.3	18.0	20.6	19.7	20.2	8.3	7.2	7.6	13.0	8.8	11.2
7	19.3	18.1	18.6	20.6	19.5	20.1	8.1	6.5	7.3	8.8	5.6	7.0
8	---	18.6	---	19.5	17.7	18.5	8.1	6.2	7.1	5.6	4.6	5.1
9	19.6	---	---	17.7	15.5	16.8	8.4	6.7	7.5	6.2	5.3	5.7
10	19.7	19.1	19.3	15.5	13.9	14.7	10.7	8.4	9.7	6.3	5.5	6.0
11	19.3	18.8	19.0	14.8	13.0	13.8	10.3	7.9	9.1	6.2	4.7	5.4
12	20.4	18.5	19.3	16.1	13.5	14.6	8.1	7.1	7.6	6.5	4.4	5.4
13	20.4	18.4	19.3	15.4	13.1	14.6	7.6	7.0	7.4	7.8	5.7	6.7
14	20.4	18.9	19.7	13.1	11.5	12.2	7.5	7.2	7.2	8.7	6.8	7.7
15	18.9	16.9	18.0	12.7	10.7	11.6	7.5	6.4	6.9	9.7	8.6	8.9
16	17.5	15.3	16.3	13.6	11.0	12.2	8.4	6.6	7.4	9.0	7.5	8.2
17	15.8	14.4	15.2	15.4	13.2	14.4	8.9	8.1	8.5	7.9	7.1	7.6
18	16.6	14.3	15.3	16.9	15.2	16.1	8.1	6.8	7.4	9.5	7.8	8.7
19	16.8	14.3	15.4	17.7	16.9	17.4	7.7	6.7	7.2	9.2	7.4	8.6
20	17.3	14.6	15.8	17.1	14.4	15.7	6.7	5.4	6.2	7.4	5.9	6.6
21	17.9	15.0	16.4	14.8	13.8	14.2	6.0	4.5	5.2	6.5	5.0	5.7
22	18.2	16.0	17.0	14.3	12.8	13.6	6.3	4.2	5.3	6.8	5.0	5.8
23	17.7	15.3	16.5	14.3	12.6	13.5	7.7	5.3	6.4	6.8	5.2	5.9
24	17.3	15.0	16.1	14.0	12.5	13.6	9.5	7.6	8.8	7.5	4.9	6.1
25	17.3	15.2	16.2	12.5	10.5	11.6	8.5	6.5	7.6	8.4	7.1	7.8
26	17.5	16.3	16.7	11.0	9.4	10.3	7.0	5.6	6.2	7.3	5.5	6.0
27	17.5	16.7	17.3	11.9	10.5	11.1	7.0	5.3	6.1	6.3	5.5	5.8
28	16.7	15.0	15.7	12.8	11.7	12.4	7.3	5.5	6.4	5.8	4.8	5.3
29	15.6	14.1	14.8	11.7	8.7	10.3	8.7	6.5	7.4	5.5	3.8	4.6
30	15.8	13.7	14.7	8.8	7.5	8.1	9.6	8.3	8.9	6.8	4.8	5.7
31	16.5	14.2	15.2	---	---	---	8.8	7.5	8.1	7.0	5.6	6.2
MONTH	---	---	---	20.6	7.5	14.5	10.7	0.4	7.4	13.8	3.8	7.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.1	5.6	6.3	11.9	8.8	10.2	15.2	13.1	14.1	19.6	18.1	18.7
2	6.4	5.7	6.1	14.1	11.5	12.8	15.0	12.3	13.6	19.2	18.6	18.9
3	5.7	4.5	5.2	15.8	13.8	14.8	16.4	12.6	14.4	18.7	16.8	18.0
4	7.0	5.3	6.1	16.5	14.8	15.6	16.7	13.6	14.8	17.4	15.0	16.2
5	6.7	6.2	6.4	16.7	15.5	16.0	16.6	13.0	14.5	18.2	15.1	16.6
6	7.1	6.5	6.8	17.7	16.2	16.7	17.1	13.3	14.9	20.3	16.6	18.2
7	7.1	6.0	6.7	17.2	15.2	16.1	17.2	14.0	15.4	21.6	18.0	19.5
8	6.4	5.2	5.8	15.4	12.9	14.1	17.7	15.3	16.3	22.5	18.9	20.5
9	6.7	5.5	6.0	12.9	11.4	12.1	18.9	15.6	16.9	22.7	20.1	21.2
10	7.2	6.0	6.6	12.6	10.3	11.4	18.2	15.4	16.6	22.8	20.2	21.4
11	8.2	7.2	7.6	12.7	9.8	11.2	17.4	15.9	16.6	22.7	20.7	21.6
12	8.1	7.1	7.7	13.5	10.6	11.9	17.2	16.1	16.6	22.4	20.6	21.3
13	8.4	7.2	7.7	13.8	11.2	12.3	16.1	13.7	14.9	21.3	20.6	21.1
14	9.1	8.4	8.8	14.5	11.8	13.0	14.0	12.8	13.3	21.9	20.5	21.2
15	9.3	8.9	9.1	15.4	13.7	14.5	15.5	11.8	13.6	22.8	20.4	21.5
16	8.9	7.6	8.2	16.9	15.0	15.7	16.9	13.4	15.1	22.6	20.8	21.6
17	8.0	7.3	7.6	16.5	14.3	15.2	18.4	14.9	16.5	---	20.7	---
18	8.8	6.8	7.7	14.5	13.1	13.9	19.8	16.1	17.8	22.7	---	---
19	9.4	7.0	8.2	16.6	12.9	14.6	20.6	17.2	18.7	22.7	21.0	21.8
20	9.4	7.9	8.7	16.9	14.2	15.4	20.9	18.1	19.3	23.1	20.8	21.9
21	11.5	9.3	10.3	17.5	14.6	16.1	20.2	18.3	19.1	24.6	21.6	23.0
22	11.5	9.5	10.4	14.9	12.3	13.6	21.0	17.5	19.1	23.7	21.8	22.8
23	10.3	9.4	9.8	13.7	10.5	11.9	21.3	18.2	19.6	24.1	21.9	22.9
24	10.3	9.6	9.9	14.1	10.5	12.1	21.8	18.4	19.9	24.2	21.7	22.9
25	10.2	9.4	10.0	15.8	11.8	13.6	22.1	19.1	20.5	25.1	22.7	23.7
26	9.4	6.6	7.8	17.8	13.9	15.5	20.6	18.5	19.8	25.8	22.9	24.1
27	6.6	6.0	6.3	18.7	15.3	16.7	18.8	17.2	18.0	25.9	23.0	24.2
28	8.6	6.0	7.2	19.5	16.1	17.7	18.7	15.7	17.1	25.3	23.0	24.1
29	9.7	7.2	8.3	19.4	17.3	18.1	19.1	16.1	17.4	24.3	23.0	23.6
30	---	---	---	19.3	16.9	17.8	18.7	17.7	18.1	24.8	22.2	23.5
31	---	---	---	16.9	14.9	16.1	---	---	---	23.8	22.2	23.2
MONTH	11.5	4.5	7.7	19.5	8.8	14.4	22.1	11.8	16.8	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.5	21.4	22.0	24.3	23.2	23.7	27.6	24.9	26.1	25.1	24.0	24.4
2	23.0	20.7	21.8	23.9	23.3	23.5	27.4	25.2	26.2	24.0	23.1	23.4
3	23.2	20.7	21.9	25.0	23.5	24.1	27.4	24.9	26.0	24.1	22.8	23.4
4	24.4	21.3	22.6	25.5	23.5	24.5	28.0	24.8	26.2	24.3	22.6	23.4
5	24.1	20.8	22.4	26.3	24.1	25.1	27.0	24.6	25.6	24.6	22.5	23.4
6	24.6	21.4	22.8	26.4	24.2	25.3	25.8	24.3	25.0	23.9	22.7	23.3
7	23.5	21.6	22.5	26.3	24.1	25.2	25.0	22.9	23.9	23.3	22.4	22.6
8	22.2	21.6	21.9	26.6	24.2	25.3	24.7	21.6	23.0	22.8	22.5	22.6
9	22.8	21.5	22.0	26.5	24.4	25.2	24.3	21.3	22.8	23.2	22.2	22.6
10	24.6	22.0	23.1	26.6	24.4	25.4	23.0	21.8	22.4	23.8	22.3	23.0
11	25.9	22.9	24.2	27.7	24.6	25.9	24.1	21.2	22.5	23.9	22.3	23.0
12	27.2	23.6	25.1	27.8	24.9	26.2	23.1	22.2	22.6	23.7	22.2	22.9
13	25.1	23.7	24.4	28.2	25.0	26.4	23.0	22.0	22.6	22.9	22.0	22.5
14	24.4	23.5	24.0	28.2	25.2	26.5	22.9	21.1	22.0	22.8	21.3	22.0
15	25.2	23.8	24.3	26.2	24.6	25.3	23.5	21.7	22.5	21.9	21.4	21.6
16	25.6	23.8	24.6	25.6	23.6	24.7	24.2	22.2	23.0	22.9	21.5	22.0
17	26.3	24.1	25.1	25.5	24.0	24.7	24.6	22.3	23.4	22.8	22.5	22.7
18	26.5	24.6	25.6	25.6	23.9	24.7	25.2	22.6	23.8	22.5	21.3	22.1
19	27.3	25.0	26.0	26.2	23.7	24.8	25.7	22.8	24.1	21.5	20.4	21.0
20	27.5	24.9	26.0	26.4	23.6	24.8	25.5	23.2	24.3	20.7	19.5	20.0
21	26.0	24.6	25.3	26.8	23.2	24.9	25.2	23.6	24.3	20.3	18.7	19.5
22	25.7	24.0	24.7	26.7	23.7	25.1	25.6	23.4	24.4	20.3	18.3	19.3
23	25.2	23.8	24.3	27.8	24.2	25.8	25.7	23.7	24.6	21.0	18.5	19.7
24	24.6	23.6	24.2	28.3	24.8	26.3	26.1	23.5	24.7	21.6	19.5	20.4
25	25.2	23.7	24.3	27.2	25.1	26.0	25.1	23.8	24.5	21.9	20.0	20.8
26	25.0	24.0	24.5	25.8	24.4	24.9	25.1	23.2	24.0	21.7	19.9	20.7
27	24.5	23.6	24.0	25.6	24.3	24.9	25.8	23.4	24.4	20.9	20.4	20.5
28	24.4	23.6	24.0	25.6	24.6	25.1	26.4	23.6	24.8	20.9	20.4	20.6
29	24.4	23.3	23.8	25.6	24.4	24.9	25.7	24.0	24.9	21.2	20.5	20.9
30	24.2	23.2	23.7	26.2	24.6	25.3	25.8	23.6	24.6	21.2	19.8	20.4
31	---	---	---	27.1	24.8	25.8	26.2	23.6	24.8	---	---	---
MONTH	27.5	20.7	23.8	28.3	23.2	25.2	28.0	21.1	24.1	25.1	18.3	21.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10	5.3	6.9	9.9	5.0	6.9	16	11	13	8.3	5.5	6.3
2	8.6	5.4	6.7	---	<5.0	---	13	9.7	11	7.6	<5.0	5.5
3	9.8	5.7	6.9	---	---	---	12	9.4	10	6.8	<5.0	5.4
4	10	<5.0	6.5	---	---	---	22	9.7	12	7.8	<5.0	5.2
5	24	<5.0	6.5	205	6.0	27	27	16	18	71	<5.0	6.2
6	20	5.2	6.5	291	75	142	22	12	16	84	34	60
7	15	6.3	8.6	76	22	39	16	10	12	37	14	22
8	---	---	---	25	12	15	13	8.7	9.8	22	9.6	14
9	---	---	---	13	7.9	10	11	7.7	8.9	17	8.0	9.7
10	39	10	16	12	6.2	7.9	178	8.4	39	15	8.9	11
11	14	7.2	9.5	9.3	5.8	7.0	190	51	86	9.8	6.4	7.6
12	9.8	6.3	8.1	10	5.6	6.9	54	24	37	8.9	5.0	6.5
13	10	5.1	6.7	9.9	6.0	6.8	26	16	18	7.0	<5.0	5.7
14	14	<5.0	6.0	12	5.7	7.0	89	18	62	9.1	5.2	6.1
15	9.9	5.0	6.4	9.0	5.3	6.4	63	24	38	10	<5.0	5.3
16	8.8	5.2	6.6	8.6	5.6	6.5	25	15	20	7.5	<5.0	<5.0
17	11	5.6	7.1	11	5.4	6.6	24	14	16	10	<5.0	5.0
18	---	---	---	14	9.3	10	24	13	18	21	5.5	12
19	---	---	---	505	11	285	13	9.5	11	30	9.6	15
20	---	---	---	223	99	127	11	8.4	9.5	11	6.0	7.9
21	7.1	<5.0	<5.0	100	47	73	9.4	7.1	8.2	12	5.1	6.4
22	9.0	<5.0	<5.0	49	30	37	8.8	6.0	6.8	13	5.2	7.5
23	11	<5.0	<5.0	32	21	25	22	5.9	6.7	12	6.5	7.3
24	9.5	<5.0	<5.0	24	17	20	87	9.5	52	16	7.0	9.7
25	7.1	<5.0	<5.0	25	19	22	46	16	25	263	9.6	85
26	374	<5.0	5.9	20	14	16	17	9.1	11	205	79	128
27	328	79	177	40	11	14	10	7.0	8.1	81	35	54
28	83	28	46	104	36	73	9.4	5.8	6.9	39	20	26
29	31	13	19	58	27	39	8.3	5.3	6.5	21	15	18
30	16	8.4	10	28	16	20	12	6.7	8.2	18	14	16
31	11	6.6	8.2	---	---	---	14	8.0	11	17	13	14
MAX	---	---	---	---	---	---	190	51	86	263	79	128
MIN	---	---	---	---	---	---	8.3	5.3	6.5	6.8	5.0	5.0

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	16	11	12	13	8.1	9.2	32	11	15	23	7.2	9.3
2	67	10	11	12	8.4	9.2	11	7.1	9.0	---	---	---
3	290	56	121	12	8.5	9.6	12	5.4	7.1	---	---	---
4	86	32	50	11	7.7	9.0	9.3	5.0	6.6	44	19	24
5	33	19	24	13	7.7	8.6	11	<5.0	6.0	21	13	16
6	372	16	50	32	7.9	10	9.5	5.1	6.1	18	9.9	13
7	271	69	111	47	19	33	12	<5.0	6.9	16	7.5	10
8	71	34	46	20	10	14	---	---	---	17	7.1	9.4
9	34	22	26	19	7.9	9.3	---	---	---	12	5.3	8.4
10	23	18	20	10	7.1	8.1	---	---	---	13	5.1	7.9
11	24	17	19	9.7	6.5	7.3	---	---	---	11	<5.0	7.1
12	270	16	132	8.4	5.6	6.7	---	---	---	19	5.2	7.5
13	139	47	77	9.8	5.3	6.3	330	26	148	92	14	56
14	64	39	44	9.5	5.0	6.1	123	32	59	46	12	20
15	127	46	64	10	5.3	6.2	35	14	19	17	7.6	11
16	157	47	74	11	5.5	6.7	20	9.5	12	13	5.6	9.1
17	51	25	36	11	7.5	8.5	14	8.1	10	---	---	---
18	27	21	23	10	6.5	7.6	13	6.6	9.2	---	---	---
19	23	16	18	9.5	5.5	7.0	11	6.3	8.8	12	5.1	8.3
20	18	14	15	25	5.9	7.5	12	5.9	8.0	18	7.4	9.4
21	17	12	13	21	6.3	7.9	12	5.8	7.7	14	6.3	9.8
22	17	12	13	11	5.3	7.4	12	5.8	7.7	521	5.6	10
23	14	9.6	11	9.9	<5.0	6.3	12	5.1	7.5	361	46	124
24	14	10	11	8.6	<5.0	5.9	11	<5.0	6.9	50	16	28
25	14	9.8	11	11	<5.0	6.0	11	<5.0	6.8	21	9.0	13
26	35	11	16	10	<5.0	6.2	19	5.9	7.9	17	6.2	10
27	45	24	34	11	<5.0	5.9	36	17	23	16	<5.0	9.0
28	24	14	18	8.4	<5.0	6.3	19	8.1	12	11	<5.0	8.2
29	16	10	11	9.2	<5.0	6.3	13	5.8	8.2	12	<5.0	6.8
30	---	---	---	89	5.6	11	14	5.4	7.8	12	<5.0	7.6
31	---	---	---	77	20	42	---	---	---	96	7.6	22
MAX	372	69	132	89	20	42	---	---	---	---	---	---
MIN	14	9.6	11	8.4	5.0	5.9	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	86	23	49	75	26	49	23	7.2	13	242	<5.0	5.1
2	26	9.5	14	518	64	243	30	<5.0	12	79	28	39
3	14	6.3	10	146	49	88	43	9.6	15	41	12	18
4	13	<5.0	8.2	95	27	39	24	7.8	13	14	5.3	7.8
5	16	<5.0	8.5	279	50	133	158	<5.0	10	10	<5.0	5.2
6	---	---	---	64	20	30	112	36	76	9.0	<5.0	<5.0
7	22	<5.0	6.7	22	12	17	42	13	22	412	6.4	308
8	28	12	17	19	9.7	14	17	5.7	10	275	109	166
9	31	13	19	363	6.6	12	15	5.5	8.8	114	70	94
10	22	8.5	14	30	5.9	10	13	<5.0	6.2	76	42	59
11	15	<5.0	8.4	14	<5.0	7.4	9.8	<5.0	5.9	---	---	---
12	65	<5.0	7.3	11	<5.0	6.0	666	6.6	349	---	---	---
13	267	12	23	10	<5.0	5.5	308	96	153	17	8.7	10
14	359	82	148	22	<5.0	5.5	96	34	54	17	7.0	10
15	82	27	39	154	9.0	82	37	16	23	18	<5.0	6.8
16	288	27	75	47	12	20	19	9.1	12	966	5.7	9.5
17	125	20	38	21	5.1	9.5	14	6.1	9.5	617	201	323
18	30	12	19	41	11	32	---	---	---	214	144	176
19	30	12	17	32	9.5	16	---	<5.0	---	159	104	124
20	20	5.9	12	16	<5.0	6.7	9.6	<5.0	5.0	110	65	90
21	35	6.3	11	10	<5.0	5.1	15	<5.0	6.9	65	32	53
22	233	17	42	8.6	<5.0	<5.0	7.6	<5.0	<5.0	34	19	24
23	300	42	99	15	<5.0	<5.0	9.3	<5.0	<5.0	22	15	17
24	165	51	83	10	<5.0	<5.0	9.9	<5.0	<5.0	20	11	13
25	153	22	35	91	<5.0	<5.0	6.9	<5.0	<5.0	13	7.9	9.6
26	376	71	163	319	16	139	41	<5.0	23	10	6.2	8.4
27	261	33	55	82	21	39	40	6.8	13	306	7.0	11
28	471	155	242	496	21	238	11	<5.0	5.7	293	101	203
29	166	64	98	92	20	43	10	<5.0	<5.0	108	64	84
30	67	27	41	---	---	---	9.4	<5.0	<5.0	67	33	51
31	---	---	---	---	---	---	6.7	<5.0	<5.0	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA

LOCATION.—Lat 33°46'22", long 84°03'30", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, on GA 124 bridge, 5.0 miles south of the intersection of GA 124 and US 78.

DRAINAGE AREA.—162.0 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.— March 14, 1996 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)
OCT													
20...	1055	--	9	81213	102	3.14	--	--	5.2	.6	8	13.0	44
NOV													
19-20	0535	0547	J	81213	--	--	--	--	220	3.0	13	4.20	15
DEC													
08...	1420	--	9	81213	151	3.43	--	--	8.3	.4	9	13.0	44
FEB													
12-13	1231	0455	J	81213	--	--	--	--	100	--	7	6.00	22
MAR													
10...	1025	--	9	81213	194	3.58	--	--	6.9	.8	<5	11.0	39
25...	1355	--	9	81213	142	3.32	--	--	4.6	.3	<5	11.0	39
APR													
13...	1115	--	J	81213	984	5.88	190	--	--	1.5	--	--	--
APR													
26-27	2200	0830	J	81213	--	--	--	--	21	1.8	12	13.0	44
MAY													
26...	0845	--	9	81213	110	3.14	--	--	11	.5	<5	12.0	40
MAY 31-													
JUN 01	1148	0545	J	81213	--	--	--	--	55	2.4	8	13.0	43
JUL													
08...	1000	--	9	81213	135	3.28	--	--	14	.7	13	11.0	38
AUG													
05-06	1837	0949	J	80855	--	--	--	48	62	4.3	E16	13.0	46
AUG													
12-12	0816	2254	J	80855	--	--	--	320	350	5.7	E19	4.70	22
SEP													
07-08	0645	1135	J	80855	--	--	--	180	200	3.8	E17	4.00	20

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Loss on ig-nition, from ROE, wat unf mg/L (00505)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)
OCT													
20...	2.80	--	--	135	4	2	1.90	1.90	A.019	.20	<.02	.03	<.5
NOV													
19-20	1.20	--	--	45	252	45	.45	.450	A.005	1.2	.02	.17	<.5
DEC													
08...	2.90	--	--	114	5	3	2.20	2.10	A.073	.20	<.02	<.02	<.5
FEB													
12-13	1.60	--	--	52	91	15	.99	.990	A.067	.60	<.02	.09	<.5
MAR													
10...	2.90	--	--	95	2	1	1.70	1.70	A.009	<.20	<.02	<.02	<.5
25...	2.70	--	--	122	3	2	1.80	1.80	A.035	.30	<.02	<.02	<.5
APR													
26-27	2.70	--	--	114	17	5	2.10	2.20	A.038	.40	<.02	.03	<.5
MAY													
26...	2.50	--	--	106	10	3	1.90	1.90	A.057	.60	<.02	<.02	<.5
MAY 31-													
JUN 01	2.50	--	--	105	56	14	1.90	1.90	A.022	.60	<.02	.06	<.5
JUL													
08...	2.50	--	--	90	10	2	1.80	1.80	A.052	.30	<.02	.02	<.5
AUG													
05-06	2.40	2.7	48	120	80	16	2.00	1.90	<.100	.50	<.050	E.035	<5
AUG													
12-12	1.00	1.7	--	79	740	120	.600	.600	E.055	1.9	<.050	<.050	<5
SEP													
07-08	.94	1.8	--	66	270	36	.550	.350	E.054	.89	<.050	.087	<5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT							
20...	<1	<2	<2	73	13	--	2
NOV							
19-20	7	7	8	995	41	30	373
DEC							
08...	<1	<2	<2	111	9	--	4
FEB							
12-13	4	6	4	334	24	63	135
MAR							
10...	<1	<2	<2	69	6	--	3
25...	<1	<2	<2	71	8	--	4
APR							
26-27	1	2	<2	278	19	49	37
MAY							
26...	<1	<2	<2	98	8	--	11
MAY 31-							
JUN 01	2	2	2	350	21	82	56
JUL							
08...	<1	<2	<2	86	8	--	11
AUG							
05-06	E4	M	M	340	30	86	81
AUG							
12-12	E5	M	M	1600	70	72	729
SEP							
07-08	12	M	M	890	130	55	379

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
20...	1114	9	66.0	102	3.14	102	10.2	7.4	198	15.2	4.5	--	--
20...	1115	9	36.0	102	3.14	102	10.2	7.4	198	15.3	5.7	--	--
20...	1116	9	6.00	102	3.14	102	10.2	7.4	198	15.3	4.8	--	--
NOV													
19...	1019	J	5.00	1970	8.13	95	9.1	6.9	64	17.5	290	--	--
19...	1023	J	20.0	1960	8.13	95	9.1	6.9	64	17.5	280	--	--
19...	1024	J	35.0	1960	8.13	74	9.0	6.9	64	17.5	290	--	--
19...	1026	J	50.0	1960	8.13	94	9.0	6.8	64	17.5	290	--	--
19...	1027	J	65.0	1960	8.12	94	9.0	6.8	64	17.5	290	--	--
19...	1029	J	80.0	1960	8.12	94	8.9	6.8	64	17.5	280	--	--
20...	1150	J	10.0	1530	7.28	98	9.6	7.0	61	15.5	120	27	226
20...	1155	J	25.0	1520	7.25	97	9.5	6.9	61	15.5	130	40	146
20...	1200	J	40.0	1500	7.21	97	9.5	6.9	61	15.5	120	39	136
20...	1205	J	55.0	1490	7.19	97	9.5	6.9	61	15.5	120	16	414
20...	1210	J	70.0	1480	7.16	97	9.5	6.9	61	15.5	130	18	287
DEC													
08...	1425	9	74.0	151	3.43	97	11.3	7.1	180	7.8	8.5	--	--
08...	1426	9	59.0	151	3.43	97	11.3	7.1	180	7.8	8.3	--	--
08...	1427	9	49.0	151	3.43	97	11.3	7.1	179	7.9	8.4	--	--
08...	1428	9	39.0	151	3.43	97	11.3	7.1	179	7.9	9.8	--	--
08...	1429	9	29.0	151	3.43	97	11.3	7.1	179	7.9	8.6	--	--
08...	1430	9	19.0	151	3.43	96	11.2	7.1	180	7.9	9.2	--	--
08...	1431	9	9.00	151	3.43	96	11.2	7.1	180	7.9	8.7	--	--
FEB													
12...	0924	J	80.0	838	5.54	109	12.7	7.2	92	7.8	140	--	--
12...	0925	J	60.0	838	5.54	110	12.8	7.2	92	7.8	130	--	--
12...	0926	J	40.0	838	5.54	112	13.0	7.2	92	7.8	120	--	--
12...	0927	J	20.0	838	5.54	113	13.1	7.2	92	7.8	130	--	--
MAR													
10...	1029	9	72.0	194	3.58	103	11.4	7.4	147	10.4	7.6	--	--
10...	1030	9	56.0	194	3.58	101	11.2	7.4	147	10.4	6.9	--	--
10...	1031	9	40.0	194	3.58	100	11.1	7.4	147	10.4	7.7	--	--
10...	1032	9	28.0	194	3.58	99	10.9	7.4	147	10.4	6.9	--	--
10...	1033	9	12.0	194	3.58	99	10.9	7.4	147	10.4	6.8	--	--
25...	1358	9	69.0	142	3.32	103	10.4	7.7	165	14.7	4.6	--	--
25...	1359	9	55.0	142	3.32	103	10.3	7.7	165	14.8	6.7	--	--
25...	1400	9	41.0	142	3.32	103	10.3	7.7	165	14.8	4.6	--	--
25...	1401	9	27.0	142	3.32	103	10.3	7.7	165	14.8	6.6	--	--
25...	1402	9	13.0	142	3.32	103	10.3	7.7	165	14.8	4.4	--	--
APR													
27...	1105	J	75.0	222	3.70	96	9.2	7.2	162	17.6	21	--	--
27...	1106	J	60.0	222	3.70	96	9.2	7.2	161	17.6	22	--	--
27...	1107	J	45.0	222	3.70	96	9.2	7.2	160	17.6	24	--	--
27...	1108	J	30.0	222	3.70	96	9.2	7.2	159	17.6	23	--	--
27...	1109	J	15.0	222	3.70	96	9.2	7.2	159	17.6	29	--	--
MAY													
26...	0900	9	72.0	110	3.14	99	8.5	7.2	156	23.0	10	--	--
26...	0901	9	60.0	110	3.14	97	8.3	7.2	157	23.0	22	--	--
26...	0902	9	48.0	110	3.14	96	8.2	7.2	157	23.0	13	--	--
26...	0903	9	36.0	110	3.14	94	8.1	7.3	157	23.0	13	--	--
26...	0904	9	24.0	110	3.14	93	8.0	7.3	157	23.0	10	--	--
26...	0905	9	12.0	110	3.14	93	8.0	7.3	156	23.0	11	--	--
JUN													
01...	0908	J	100	222	3.70	95	8.4	7.4	114	21.5	73	--	--
01...	0909	J	80.0	222	3.70	96	8.5	7.3	113	21.5	70	--	--
01...	0910	J	60.0	222	3.70	96	8.5	7.3	113	21.5	71	--	--
01...	0911	J	40.0	222	3.70	96	8.5	7.3	113	21.5	71	--	--
01...	0912	J	20.0	222	3.70	96	8.5	7.3	113	21.5	67	--	--
JUL													
08...	1006	9	66.0	135	3.28	91	7.5	7.2	147	24.5	14	--	--
08...	1007	9	46.0	135	3.28	91	7.5	7.2	147	24.5	15	--	--
08...	1008	9	26.0	135	3.28	91	7.5	7.2	147	24.5	15	--	--

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)
AUG											
05...	1938	J	90.0	182	3.52	96	7.6	7.4	174	25.7	74
05...	1939	J	70.0	182	3.52	94	7.5	7.5	174	25.7	73
05...	1940	J	50.0	182	3.52	93	7.4	7.5	173	25.7	76
05...	1941	J	30.0	182	3.52	93	7.4	7.5	172	25.7	82
05...	1942	J	10.0	182	3.52	92	7.3	7.5	172	25.6	83
12...	0805	J	10.0	520	4.70	95	8.1	7.0	187	22.3	190
12...	0806	J	25.0	540	4.74	94	8.0	7.1	187	22.3	200
12...	0807	J	40.0	550	4.78	94	8.0	7.1	187	22.3	190
12...	0808	J	55.0	560	4.82	94	8.0	7.1	187	22.3	210
12...	0809	J	70.0	580	4.86	94	8.0	7.1	187	22.3	180
SEP											
07...	1317	J	17.0	1890	7.98	88	7.6	6.8	83	22.4	310
07...	1318	J	29.0	1890	7.98	88	7.6	6.8	84	22.4	340
07...	1319	J	41.0	1890	7.98	88	7.6	6.8	84	22.4	360
07...	1320	J	53.0	1890	7.98	88	7.6	6.8	84	22.4	340
07...	1321	J	65.0	1890	7.98	88	7.6	6.8	84	22.4	330

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

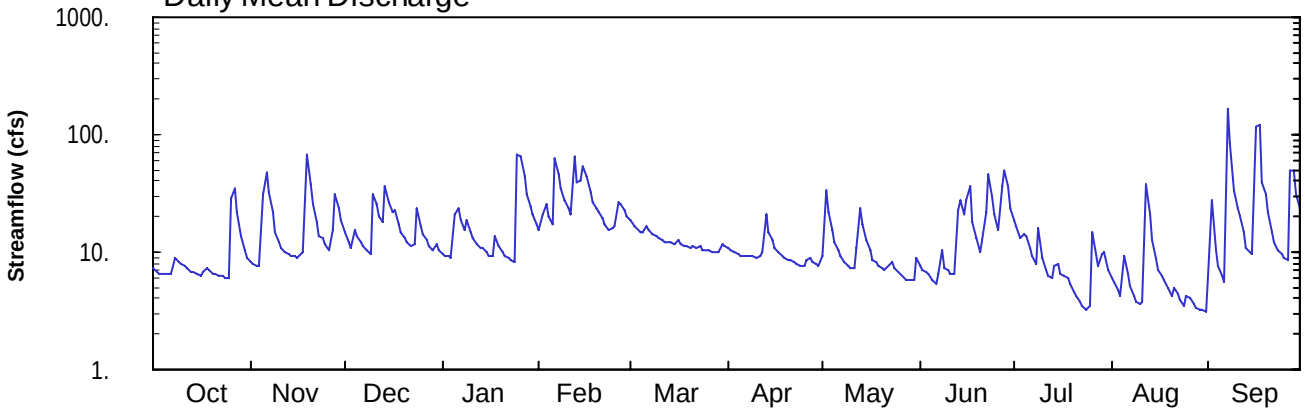
ALTAMAHA RIVER BASIN

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA

Latitude: 33°46'41" Longitude: 084°02'17" Hydrologic Unit Code: 03070103

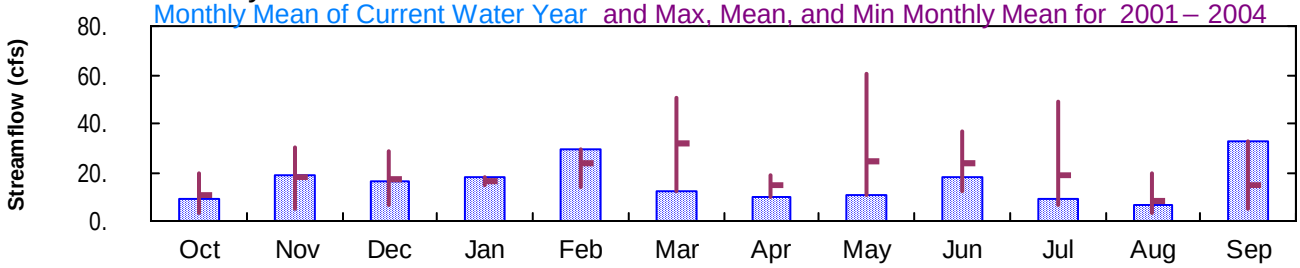
Gwinnett County Datum: 735 feet Drainage Area: 10.1 mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



ALTAMAHA RIVER BASIN
2004 Water Year

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA

LOCATION.—Lat 33°46'41", long 84°02'17", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 5.0 feet downstream of bridge on County Road 135, and 3.4 miles east of Centerville.

DRAINAGE AREA.—10.1 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 735.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 735.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.59 feet, September 16; minimum gage-height recorded, 1.76 feet, August 31, September 1.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1* DATUM 735 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.3	8.1	15	9.8	15	18	11	9.1	7.7	19	6.1	6.2
2	e6.8	7.8	12	9.4	21	17	10	34	7.1	17	5.5	27
3	6.6	7.7	11	9.1	25	16	9.9	22	6.6	13	4.8	11
4	6.5	7.6	15	8.8	21	15	9.7	15	6.4	14	4.2	7.7
5	6.5	31	13	21	17	15	9.3	12	5.8	14	9.1	6.3
6	6.4	48	12	24	62	17	9.1	10	5.5	11	6.6	5.6
7	e6.5	32	11	19	47	16	9.1	9.2	6.5	9.1	5.1	165
8	e9.0	21	10	15	35	14	9.2	8.2	10	8.0	4.2	87
9	8.3	15	9.8	18	27	14	9.1	7.7	7.4	16	3.8	33
10	7.8	12	31	15	23	13	9.0	7.3	7.1	8.8	3.6	e24
11	7.6	11	25	13	21	13	9.2	7.2	6.5	6.9	3.7	e20
12	7.3	10	20	12	66	12	10	11	6.5	6.3	37	e15
13	6.8	9.7	18	11	39	12	21	23	23	6.0	21	e11
14	6.7	9.4	36	11	42	12	15	17	28	7.5	13	10
15	6.5	9.1	26	9.8	54	12	12	13	21	7.8	8.9	9.6
16	6.1	9.0	22	9.2	44	12	11	10	27	6.6	7.1	e115
17	6.7	9.5	23	9.1	32	12	10	8.7	36	6.2	6.3	122
18	7.4	9.9	18	14	27	11	9.4	8.3	18	6.1	5.7	40
19	6.9	67	15	11	24	11	8.9	7.7	13	5.3	4.9	32
20	6.5	38	13	10	21	11	8.7	7.3	10	4.5	4.3	22
21	6.4	25	12	9.3	20	11	8.5	7.0	13	4.3	5.0	15
22	6.4	18	11	8.9	17	11	8.2	7.5	22	3.8	4.4	12
23	6.2	14	12	8.7	16	11	7.9	8.1	45	3.5	3.9	11
24	6.1	13	24	8.2	16	11	7.7	7.5	30	3.3	3.5	9.5
25	6.1	12	17	68	17	10	7.6	6.9	21	3.6	4.3	8.8
26	28	10	14	65	27	10	8.6	6.4	15	15	4.1	8.5
27	35	16	13	44	25	9.9	8.8	6.1	36	9.5	3.7	50
28	22	31	11	32	23	9.9	8.2	5.8	49	7.5	3.3	50
29	14	24	11	25	20	9.8	7.9	5.8	36	9.7	3.2	32
30	10	19	12	21	---	12	7.7	5.9	23	10	3.2	24
31	8.9	---	10	17	---	11	---	8.9	---	7.0	3.2	---
TOTAL	289.3	554.8	502.8	566.3	844	389.6	291.7	323.6	549.1	270.3	206.7	990.2
MEAN	9.33	18.5	16.2	18.3	29.1	12.6	9.72	10.4	18.3	8.72	6.67	33.0
MAX	35	67	36	68	66	18	21	34	49	19	37	165
MIN	6.1	7.6	9.8	8.2	15	9.8	7.6	5.8	5.5	3.3	3.2	5.6
AC-FT	574	1100	997	1120	1670	773	579	642	1090	536	410	1960
CFSM	0.92	1.83	1.61	1.81	2.88	1.24	0.96	1.03	1.81	0.86	0.66	3.27
IN.	1.07	2.04	1.85	2.09	3.11	1.43	1.07	1.19	2.02	1.00	0.76	3.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	10.9	17.9	17.0	16.7	23.6	31.5	15.0	24.6	23.7	19.1	8.48	15.0
MAX	19.7	30.0	28.5	18.3	29.1	50.9	18.6	60.4	37.1	49.0	19.2	33.0
(WY)	2003	2003	2003	2004	2004	2003	2001	2003	2003	2003	2003	2004
MIN	3.57	5.12	6.30	15.0	13.9	12.6	9.72	10.4	12.3	6.77	2.94	4.54
(WY)	2002	2002	2002	2002	2002	2004	2004	2004	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	10136.1		5778.4			
ANNUAL MEAN	27.8		15.8		19.1	
HIGHEST ANNUAL MEAN					30.6	2003
LOWEST ANNUAL MEAN					10.8	2002
HIGHEST DAILY MEAN	475	May 6	165	Sep 7	475	May 6 2003
LOWEST DAILY MEAN	5.2	Sep 19	3.2	Aug 29 a	1.4	Sep 23 2001
ANNUAL SEVEN-DAY MINIMUM	5.5	Sep 15	3.6	Aug 25	2.0	Aug 8 2002
MAXIMUM PEAK FLOW					1400	May 6 2003
MAXIMUM PEAK STAGE			9.59	Sep 16	10.20	May 6 2003
ANNUAL RUNOFF (AC-FT)	20100		11460		13830	
ANNUAL RUNOFF (CFSM)	2.75		1.56		1.89	
ANNUAL RUNOFF (INCHES)	37.33		21.28		25.68	
10 PERCENT EXCEEDS	46		31		36	
50 PERCENT EXCEEDS	17		11		11	
90 PERCENT EXCEEDS	7.4		6.1		4.4	

e Estimated
a Also Aug 30,31

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1* DATUM 735 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.95	2.18	2.05	2.19	2.22	2.02	1.96	1.90	2.26	1.90	1.90
2	---	1.93	2.12	2.03	2.32	2.18	2.00	2.59	1.87	2.22	1.87	2.45
3	1.88	1.93	2.08	2.02	2.41	2.16	1.99	2.30	1.85	2.14	1.85	2.07
4	1.88	1.92	2.19	2.02	2.29	2.14	1.98	2.15	1.84	2.16	1.83	1.98
5	1.88	2.42	2.15	2.30	2.23	2.13	1.97	2.06	1.81	2.15	1.97	1.91
6	1.87	2.94	2.11	2.37	3.10	2.18	1.97	2.00	1.79	2.07	1.92	1.87
7	---	2.57	2.08	2.26	2.90	2.16	1.96	1.96	1.83	2.02	1.86	4.64
8	---	2.30	2.06	2.19	2.62	2.13	1.97	1.92	1.99	1.98	1.83	3.66
9	1.95	2.16	2.05	2.26	2.45	2.11	1.96	1.90	1.88	2.17	1.82	2.60
10	1.93	2.08	2.53	2.19	2.34	2.09	1.95	1.88	1.87	2.01	1.81	2.42
11	1.92	2.04	2.41	2.14	2.27	2.08	1.96	1.88	1.84	1.94	1.81	2.31
12	1.91	2.02	2.29	2.10	3.24	2.07	1.99	1.98	1.84	1.91	2.63	2.22
13	1.89	2.01	2.25	2.08	2.73	2.06	2.28	2.34	2.24	1.90	2.31	2.12
14	1.88	1.99	2.65	2.08	2.79	2.06	2.14	2.19	2.45	1.94	2.13	2.05
15	1.88	1.98	2.43	2.05	3.05	2.05	2.07	2.08	2.30	1.98	2.02	2.04
16	1.86	1.98	2.32	2.03	2.83	2.07	2.02	2.00	2.40	1.93	1.95	4.19
17	1.89	2.00	2.34	2.02	2.55	2.05	1.99	1.94	2.64	1.91	1.91	4.31
18	1.91	2.01	2.24	2.16	2.43	2.04	1.97	1.93	2.24	1.90	1.88	3.02
19	1.89	3.25	2.18	2.09	2.35	2.04	1.95	1.90	2.14	1.87	1.85	2.84
20	1.88	2.70	2.13	2.06	2.29	2.03	1.94	1.88	2.05	1.84	1.83	2.58
21	1.87	2.40	2.11	2.03	2.24	2.04	1.93	1.87	2.12	1.83	1.86	2.39
22	1.87	2.24	2.09	2.02	2.20	2.02	1.92	1.89	2.29	1.82	1.84	2.31
23	1.86	2.15	2.10	2.01	2.16	2.03	1.91	1.92	2.83	1.80	1.82	2.25
24	1.86	2.14	2.37	1.99	2.17	2.01	1.91	1.89	2.51	1.79	1.80	2.21
25	1.86	2.10	2.22	3.28	2.18	2.00	1.90	1.86	2.30	1.80	1.83	2.18
26	2.41	2.06	2.16	3.29	2.42	2.00	1.94	1.84	2.19	2.16	1.82	2.16
27	2.64	2.18	2.12	2.84	2.38	1.99	1.95	1.82	2.62	2.04	1.81	2.99
28	2.31	2.55	2.09	2.55	2.32	1.99	1.92	1.81	2.93	1.97	1.80	3.21
29	2.13	2.37	2.07	2.39	2.26	1.99	1.91	1.80	2.66	2.01	1.79	2.84
30	2.03	2.26	2.10	2.30	---	2.05	1.91	1.81	2.35	2.05	1.79	2.63
31	1.98	---	2.06	2.23	---	2.03	---	1.93	---	1.95	1.79	---
MEAN	---	2.22	2.20	2.24	2.47	2.07	1.98	1.98	2.19	1.98	1.90	2.61
MAX	---	3.25	2.65	3.29	3.24	2.22	2.28	2.59	2.93	2.26	2.63	4.64
MIN	---	1.92	2.05	1.99	2.16	1.99	1.90	1.80	1.79	1.79	1.79	1.87

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1* DATUM 735 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	---	0.00	0.00	0.00	0.45	0.00	0.12	0.00	0.95
2	---	0.00	0.00	---	0.68	0.00	0.00	0.46	0.00	0.05	0.04	0.35
3	---	---	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00
4	---	---	0.47	0.00	0.05	0.00	0.00	0.00	0.00	0.45	0.00	0.00
5	---	1.58	---	0.77	---	0.00	0.00	0.00	0.00	0.00	0.73	0.00
6	---	0.18	---	---	1.16	0.22	0.00	0.00	0.00	0.02	0.01	0.21
7	---	0.03	0.00	---	---	0.00	0.00	0.00	0.43	0.04	0.00	4.13
8	---	0.00	---	0.05	0.00	0.00	0.03	0.00	0.41	0.01	0.00	0.03
9	---	0.00	0.00	0.31	---	0.00	0.00	0.03	0.02	1.53	0.00	0.01
10	---	0.00	0.96	---	---	0.01	0.00	0.01	0.00	0.00	0.00	0.00
11	---	---	0.00	0.00	0.23	0.00	0.10	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.02	0.00	0.43	0.78	0.75	0.00	1.52	0.00
13	0.00	0.00	0.49	0.00	---	0.00	0.39	0.09	0.78	0.00	0.00	0.00
14	---	---	0.27	---	0.57	0.00	0.01	0.01	0.45	0.32	0.00	0.00
15	---	0.00	0.00	---	---	0.00	0.00	0.00	0.18	0.01	0.00	0.00
16	---	0.00	0.09	---	---	0.09	0.00	0.02	2.11	0.00	0.00	3.25
17	0.20	0.07	0.24	0.26	---	0.00	0.00	0.00	0.01	0.19	0.00	0.23
18	---	0.49	---	0.14	---	0.01	0.00	0.00	0.00	0.01	0.00	0.00
19	0.00	1.01	0.00	---	---	0.00	0.00	0.06	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.03	0.00
21	---	0.00	0.00	---	---	0.10	0.00	0.00	0.65	0.00	0.01	0.00
22	0.00	0.00	0.00	---	---	0.00	0.00	0.35	1.29	0.00	0.00	0.00
23	0.00	---	0.57	0.00	---	0.00	0.00	0.00	0.75	0.00	0.00	0.00
24	0.00	0.24	0.02	---	---	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	---	0.00	2.12	---	0.00	0.00	0.00	0.17	0.87	0.00	0.00
26	1.57	---	0.00	0.09	0.33	0.00	0.26	0.00	0.00	0.18	0.00	0.00
27	---	0.86	0.00	---	0.38	0.00	0.00	0.00	1.78	0.21	0.00	2.15
28	---	0.40	0.00	---	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.02
29	0.00	---	0.07	---	0.00	0.00	0.00	0.00	0.01	0.67	0.00	0.00
30	---	0.00	0.09	---	---	0.39	0.03	0.00	0.14	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.14	---	0.45	---	0.00	0.01	---
TOTAL	---	---	---	---	---	0.96	1.25	2.71	10.62	4.68	2.36	11.33

ALTAMAHA RIVER BASIN
2004 Water Year

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA

LOCATION.—Lat 33°46'41", long 84°02'17", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 5.0 feet downstream of bridge on CR 135, and 3.4 miles east of Centerville.

DRAINAGE AREA.—10.1 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.— March 1, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: March 1, 2001 to current year.
WATER TEMPERATURE: March 1, 2001 to current year.
TURBIDITY: March 2, 2001 to current year.

INSTRUMENTATION.— Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.— Records fair, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 266 microsiemens, September 16, 2002; minimum recorded, 21 microsiemens, March 30, 31, 2002.
WATER TEMPERATURE: Maximum recorded 26.7°C, July 29, 2002; minimum recorded, 1.4°C, January 4, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, on several day; minimum recorded, <2.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 197 microsiemens, August 13; minimum recorded, 26 microsiemens, September 16.
WATER TEMPERATURE: Maximum recorded, 26.4°C, June 19; minimum recorded, 3.4°C, December 21, January 29.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	122	118	120	112	108	110	119	116	118
2	---	---	---	121	118	119	108	105	106	119	117	118
3	127	125	126	122	119	121	105	104	104	120	117	119
4	127	125	126	127	121	124	104	93	97	122	119	120
5	128	126	127	128	54	111	108	103	106	122	69	104
6	130	128	128	124	82	115	110	108	108	128	85	118
7	---	---	---	109	104	106	110	109	110	129	124	127
8	148	---	---	108	95	99	111	110	110	124	114	119
9	148	146	147	103	96	99	111	109	110	114	100	106
10	146	143	145	109	103	108	111	68	92	109	104	108
11	146	143	145	108	107	107	120	107	117	109	106	108
12	144	143	143	109	107	108	119	114	118	108	106	107
13	145	143	144	112	109	110	115	96	110	107	104	105
14	145	142	143	112	110	111	105	73	92	106	92	103
15	150	145	148	111	110	110	107	105	106	107	105	106
16	148	142	144	112	111	111	107	101	103	109	106	107
17	143	135	141	113	111	112	102	92	97	108	104	107
18	148	135	141	117	108	115	101	99	100	108	94	100
19	154	146	151	131	46	103	101	100	101	113	108	111
20	154	144	149	128	112	119	101	99	100	114	112	113
21	148	146	146	114	102	108	101	99	100	114	112	113
22	149	147	148	105	100	102	101	100	101	114	111	113
23	150	145	148	104	100	101	---	---	---	114	111	113
24	147	146	146	103	94	97	---	---	---	115	112	113
25	147	145	145	100	98	99	---	---	---	115	53	78
26	146	64	123	101	99	100	---	---	---	100	75	96
27	175	119	163	102	72	95	---	---	---	99	95	98
28	167	143	153	111	73	90	---	---	---	95	87	91
29	145	138	143	117	111	116	---	---	---	87	84	86
30	138	129	133	116	112	114	117	109	112	84	82	83
31	129	122	126	---	---	---	118	116	117	85	84	84
MONTH	---	---	---	131	46	108	---	---	---	129	53	106

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	91	85	87	---	---	---	126	123	124	133	115	126
2	94	68	87	96	95	95	125	121	123	171	59	134
3	95	67	87	99	96	98	124	120	122	160	146	153
4	98	94	96	99	97	99	122	118	120	146	135	141
5	98	96	97	101	98	99	122	117	120	135	125	129
6	97	42	77	102	93	98	121	118	120	127	122	123
7	90	83	87	105	102	104	121	117	120	124	120	121
8	85	82	84	105	103	104	122	118	120	120	117	118
9	82	81	82	105	103	104	124	119	121	118	115	117
10	83	81	82	104	102	103	124	119	121	117	114	115
11	84	82	83	104	102	103	122	117	120	118	113	114
12	82	41	68	106	104	105	123	110	121	116	74	108
13	84	80	82	106	103	105	143	87	116	155	92	138
14	80	66	72	106	103	105	144	140	142	148	130	141
15	76	52	68	108	104	106	140	136	137	135	124	128
16	76	71	73	109	105	106	137	129	132	125	119	122
17	76	75	75	109	106	108	131	124	127	121	117	119
18	77	76	77	110	108	109	127	123	125	117	104	114
19	80	77	78	111	109	110	125	121	123	115	111	113
20	82	80	80	118	111	114	124	121	123	115	112	113
21	85	81	82	115	112	113	123	121	122	117	113	114
22	91	85	87	116	113	115	123	120	121	119	107	114
23	95	91	92	116	103	111	123	121	122	129	114	123
24	97	93	95	116	112	115	123	122	122	137	127	131
25	95	95	95	118	114	116	124	122	123	137	129	133
26	---	---	---	119	116	118	124	117	121	136	132	134
27	---	---	---	119	115	118	137	118	129	137	132	134
28	---	---	---	120	116	119	134	130	131	136	130	132
29	---	---	---	122	118	120	134	130	132	135	129	131
30	---	---	---	122	108	115	136	130	131	133	128	130
31	---	---	---	125	121	123	---	---	---	131	100	118
MONTH	---	---	---	---	---	---	144	87	124	171	59	125

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	148	131	145	103	93	100	162	152	155	150	96	130
2	155	143	146	97	93	96	154	146	149	165	51	114
3	151	143	146	100	97	98	149	144	146	177	165	173
4	146	135	141	101	82	98	150	144	147	179	175	177
5	143	137	140	107	82	99	150	83	132	175	168	171
6	141	137	139	109	106	107	151	105	132	170	159	163
7	141	109	132	109	107	108	151	146	148	160	38	96
8	120	74	105	109	107	108	149	144	146	90	61	70
9	128	120	126	109	65	100	147	143	145	78	70	72
10	140	128	134	109	88	101	146	139	142	86	73	79
11	144	139	141	111	108	109	145	139	141	93	85	88
12	146	83	142	111	110	110	175	47	116	96	93	95
13	146	39	117	112	109	111	197	175	188	95	82	92
14	137	54	106	112	97	109	184	159	174	94	89	91
15	143	81	128	122	99	112	159	145	149	94	91	93
16	154	41	134	124	121	122	147	135	138	101	26	79
17	139	46	110	124	120	122	145	130	133	82	45	54
18	143	139	140	128	118	124	132	126	128	58	48	56
19	140	136	138	129	125	127	127	124	126	65	58	60
20	136	132	133	129	124	127	127	121	124	71	64	66
21	132	95	116	129	126	127	124	116	121	73	71	72
22	123	48	109	131	122	128	125	122	123	76	73	75
23	109	53	80	131	126	128	125	122	124	79	76	77
24	120	73	104	131	127	129	129	121	125	81	79	80
25	126	119	122	132	71	128	139	129	134	85	81	84
26	125	116	120	158	77	120	139	135	137	87	85	86
27	121	51	99	162	147	155	142	137	139	90	42	73
28	116	51	95	167	158	161	144	139	141	87	54	77
29	125	69	102	171	93	150	145	142	143	82	80	81
30	122	102	109	167	91	145	147	138	143	82	79	81
31	---	---	---	167	160	163	149	142	145	---	---	---
MONTH	155	39	123	171	65	120	197	47	140	179	26	94

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	15.6	---	17.5	14.4	16.0	11.0	7.8	9.4	9.4	5.9	7.7
2	---	---	---	17.7	14.4	16.0	10.4	7.8	9.2	10.6	7.7	9.2
3	16.4	14.1	15.2	17.7	14.4	16.1	9.1	8.1	8.7	12.3	9.5	10.9
4	17.5	14.6	16.4	18.7	16.6	17.7	8.6	7.6	7.8	13.4	10.7	12.0
5	18.3	15.5	16.8	21.2	18.3	19.3	8.7	7.8	8.2	13.7	11.0	12.8
6	18.8	17.3	17.9	20.9	19.9	20.2	9.0	7.3	8.0	11.0	7.3	9.0
7	---	---	---	20.8	18.9	19.9	8.4	5.8	7.1	7.3	5.7	6.6
8	19.5	---	---	18.9	17.5	18.1	8.5	5.6	7.2	7.0	5.1	6.2
9	19.7	18.7	19.2	17.5	15.0	16.4	9.7	6.3	8.1	7.5	6.4	7.0
10	19.8	18.9	19.2	15.1	13.2	14.2	11.1	8.7	10.1	7.1	5.5	6.6
11	18.9	18.4	18.6	15.6	12.6	14.2	9.0	7.6	8.3	6.9	4.3	5.6
12	20.1	18.2	19.0	17.2	13.8	15.6	9.1	6.7	7.9	7.7	4.2	5.9
13	19.8	17.3	18.7	16.7	11.6	14.4	8.3	7.0	7.6	9.2	6.0	7.4
14	20.5	17.7	19.4	12.4	9.8	11.2	8.0	6.9	7.4	9.7	6.1	8.0
15	17.7	15.1	16.4	13.4	10.2	11.7	8.8	6.5	7.6	9.8	7.7	8.9
16	16.6	13.2	14.9	14.9	11.2	13.1	9.7	6.3	8.0	8.9	5.9	7.5
17	15.5	13.3	14.6	16.7	14.7	15.7	9.7	7.0	8.3	8.5	6.3	7.5
18	16.6	13.8	15.3	17.5	15.5	16.5	8.5	6.0	7.3	10.7	8.3	9.5
19	16.8	13.7	15.3	18.0	15.2	16.7	8.2	6.6	7.4	9.6	6.4	8.0
20	17.4	14.2	15.8	16.0	14.2	15.0	6.8	5.1	5.9	7.4	4.7	6.1
21	18.1	14.6	16.5	15.8	13.0	14.3	6.6	3.9	5.3	7.4	4.5	6.0
22	18.0	15.7	16.8	15.4	12.4	13.9	---	4.2	---	8.0	4.8	6.4
23	17.0	14.0	15.6	15.3	12.2	13.9	---	---	---	7.2	4.9	6.2
24	16.9	14.1	15.5	14.5	11.2	13.6	---	---	---	9.1	4.4	6.7
25	17.3	14.8	16.0	11.6	9.3	10.6	---	---	---	8.8	6.5	7.9
26	17.8	16.4	17.0	12.4	9.2	10.9	---	---	---	6.7	6.4	6.6
27	18.0	16.3	17.6	12.9	11.7	12.3	---	---	---	7.9	5.8	6.7
28	16.3	14.9	15.5	13.8	10.5	12.8	---	---	---	6.7	4.6	5.5
29	16.4	14.2	15.3	10.5	8.7	9.7	10.1	---	---	7.0	3.9	5.3
30	16.5	13.3	15.0	10.5	7.6	9.0	10.2	7.5	9.0	8.1	5.1	6.3
31	17.0	14.1	15.6	---	---	---	8.7	5.8	7.3	7.4	4.9	6.2
MONTH	---	---	---	21.2	7.6	14.6	---	---	---	13.7	3.9	7.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.7	5.0	6.4	---	---	---	15.8	10.9	13.1	20.1	18.1	18.9
2	6.8	5.2	6.0	14.7	---	---	16.0	10.9	13.4	20.6	18.5	19.6
3	8.2	5.4	6.6	16.5	12.5	14.2	17.6	11.1	14.3	18.5	16.4	17.5
4	8.2	5.1	6.6	17.0	13.5	15.1	16.6	11.6	13.8	17.9	14.6	16.3
5	7.1	6.6	6.9	17.0	14.3	15.6	16.7	10.5	13.4	19.3	15.0	17.2
6	7.9	6.5	7.0	17.5	14.8	16.0	17.6	11.1	14.2	20.5	16.6	18.6
7	7.5	5.9	6.6	17.3	13.0	14.8	18.0	12.0	15.0	21.2	17.2	19.3
8	7.6	5.1	6.3	14.5	11.0	12.6	18.2	14.1	15.9	21.8	17.7	19.8
9	7.7	6.0	6.7	13.2	9.5	11.3	19.1	13.5	16.1	22.1	19.3	20.6
10	8.1	6.0	7.1	13.6	9.1	11.2	17.7	12.6	15.3	21.7	18.9	20.3
11	8.7	7.3	8.0	14.0	8.2	11.1	17.7	14.8	16.4	21.6	19.6	20.6
12	8.2	7.1	7.7	14.5	9.3	11.7	17.5	15.4	16.4	21.5	19.6	20.4
13	9.9	7.6	8.6	14.6	9.4	11.8	15.6	12.9	14.8	22.4	21.1	22.0
14	9.4	8.6	9.0	15.6	11.0	13.2	15.9	12.0	13.6	22.1	20.9	21.5
15	9.4	8.5	9.1	16.1	13.3	14.6	17.6	11.6	14.5	22.3	20.2	21.3
16	8.7	7.6	8.2	17.3	13.8	15.2	18.6	12.3	15.4	22.1	20.3	21.2
17	8.7	7.3	8.0	16.4	11.8	13.8	19.3	13.5	16.4	22.3	20.2	21.3
18	10.3	6.8	8.3	15.0	10.7	13.0	20.2	14.5	17.3	22.0	20.3	21.2
19	10.7	6.4	8.4	18.1	11.7	14.7	20.5	15.4	18.0	22.0	20.2	21.1
20	10.5	7.3	8.9	17.7	12.7	15.2	20.3	16.4	18.4	22.8	19.9	21.3
21	12.2	9.3	10.5	17.3	12.3	15.2	19.4	16.5	18.0	23.4	20.4	21.9
22	11.9	7.6	9.6	14.4	9.6	11.7	20.5	15.9	18.2	22.7	21.2	21.9
23	10.6	8.4	9.6	14.0	8.2	11.0	20.8	16.7	18.7	23.5	20.9	22.1
24	10.9	9.8	10.4	15.6	9.2	12.3	21.3	17.0	19.2	23.1	20.1	21.8
25	---	---	---	17.3	10.8	14.0	21.2	17.9	19.6	24.1	21.6	22.7
26	---	---	---	19.0	12.7	15.7	19.8	17.1	18.8	24.2	21.6	22.8
27	---	---	---	19.3	13.4	16.3	18.5	15.3	16.8	23.9	21.3	22.5
28	---	---	---	20.3	14.0	17.0	17.9	13.7	15.9	23.5	21.3	22.3
29	---	---	---	19.6	15.9	17.3	18.9	15.0	17.0	22.6	21.4	22.0
30	---	---	---	19.6	15.2	17.0	18.9	17.7	18.3	23.5	20.9	22.2
31	---	---	---	16.1	12.7	14.6	---	---	---	22.7	21.3	22.2
MONTH	---	---	---	---	---	---	21.3	10.5	16.2	24.2	14.6	20.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.9	20.4	21.2	24.1	23.0	23.5	26.0	24.1	25.1	23.8	22.4	23.1
2	21.8	19.3	20.8	24.1	22.9	23.5	26.0	24.1	24.9	24.3	22.7	23.6
3	21.9	19.5	20.9	24.6	23.0	23.7	25.7	23.2	24.4	24.0	23.1	23.5
4	22.8	20.6	21.6	24.9	22.8	23.9	25.9	23.3	24.5	23.7	22.3	23.0
5	21.8	19.0	20.6	25.7	23.4	24.6	25.1	22.9	24.2	23.8	22.2	22.9
6	22.5	20.0	21.2	25.7	23.5	24.6	24.6	22.6	23.8	23.4	22.4	22.8
7	21.9	20.2	21.1	25.2	23.1	24.3	22.8	20.8	21.8	23.7	22.2	23.0
8	22.1	20.8	21.4	25.2	23.1	24.2	22.5	19.4	20.9	23.2	22.4	22.9
9	22.2	21.1	21.6	25.3	23.1	24.2	22.6	19.6	21.1	23.7	21.8	22.7
10	23.7	21.4	22.4	25.4	23.5	24.5	21.8	20.6	21.3	24.2	22.5	23.3
11	24.4	21.9	23.1	25.7	23.3	24.5	22.5	20.1	21.3	23.8	22.3	23.1
12	25.2	22.3	23.7	25.7	23.4	24.5	24.3	21.3	22.9	23.4	22.1	22.7
13	23.9	22.8	23.5	25.9	23.5	24.6	23.5	22.1	22.8	22.6	21.5	22.1
14	24.5	23.3	23.9	25.8	23.2	24.4	23.4	21.0	22.3	22.2	20.6	21.4
15	24.8	23.5	24.0	25.2	23.2	24.1	23.6	22.1	22.8	21.5	20.8	21.2
16	26.0	23.3	24.2	24.0	21.9	23.1	23.8	22.3	23.0	23.2	21.5	22.4
17	25.8	23.6	24.7	24.3	23.0	23.6	23.7	21.7	22.8	23.0	22.2	22.6
18	26.0	24.5	25.3	24.7	22.7	23.6	24.0	21.8	22.9	22.5	21.2	21.9
19	26.4	24.5	25.4	24.3	22.0	23.1	24.2	21.5	22.9	21.8	20.1	21.1
20	25.7	23.7	24.7	24.0	21.3	22.7	24.1	22.1	23.1	20.7	19.2	19.9
21	25.0	23.8	24.4	24.3	21.6	23.0	23.9	22.7	23.3	20.3	18.6	19.6
22	24.9	23.3	24.0	24.5	22.1	23.3	24.1	22.4	23.2	20.4	18.2	19.5
23	24.7	23.1	23.8	25.4	22.5	23.8	24.0	22.7	23.3	21.1	18.4	19.9
24	24.6	23.8	24.2	25.4	22.8	24.1	24.2	22.2	23.2	21.6	19.6	20.6
25	24.7	23.6	24.2	24.8	23.2	23.9	24.1	22.7	23.4	21.6	19.7	20.5
26	24.2	23.2	23.7	25.6	23.3	24.5	24.0	22.2	23.1	21.0	19.0	20.1
27	24.3	22.9	23.6	25.2	24.2	24.8	24.3	22.0	23.1	20.7	20.1	20.4
28	24.4	23.4	23.8	25.7	24.0	24.8	24.7	22.3	23.4	21.8	20.7	21.2
29	24.5	22.8	23.7	25.4	23.7	24.5	24.4	22.8	23.4	21.6	20.3	20.9
30	24.1	23.3	23.7	26.0	24.5	25.3	24.1	22.1	23.1	21.5	19.7	20.6
31	---	---	---	26.1	24.4	25.2	24.4	22.2	23.3	---	---	---
MONTH	26.4	19.0	23.1	26.1	21.3	24.1	26.0	19.4	23.1	24.3	18.2	21.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	19	<5.0	<5.0	8.3	<5.0	5.5	13	<5.0	<5.0
2	---	---	---	18	<5.0	<5.0	6.7	<5.0	5.1	9.4	<5.0	<5.0
3	<5.0	<5.0	<5.0	21	<5.0	6.5	8.6	<5.0	<5.0	6.8	<5.0	<5.0
4	4.7	2.0	2.4	14	<5.0	<5.0	18	<5.0	10	5.2	<5.0	<5.0
5	7.3	<5.0	<5.0	501	<5.0	<5.0	8.8	<5.0	5.1	138	<5.0	6.1
6	---	---	---	130	35	40	5.5	<5.0	<5.0	49	6.5	10
7	---	---	---	35	16	24	6.8	<5.0	<5.0	14	<5.0	6.9
8	---	---	---	18	9.1	12	7.2	<5.0	<5.0	9.6	<5.0	5.3
9	5.6	<5.0	<5.0	13	5.2	7.4	6.3	<5.0	<5.0	25	5.0	8.9
10	5.6	<5.0	<5.0	7.7	<5.0	<5.0	159	<5.0	52	11	<5.0	6.0
11	5.0	<5.0	<5.0	8.2	<5.0	<5.0	66	7.4	12	7.3	<5.0	5.2
12	5.6	<5.0	<5.0	8.0	<5.0	<5.0	9.6	5.9	6.7	8.6	<5.0	<5.0
13	<5.0	<5.0	<5.0	8.1	<5.0	<5.0	20	5.6	6.4	7.6	<5.0	<5.0
14	12	<5.0	<5.0	12	<5.0	<5.0	99	12	23	65	<5.0	<5.0
15	7.5	<5.0	<5.0	6.3	<5.0	<5.0	14	7.4	8.7	8.3	<5.0	<5.0
16	8.6	<5.0	<5.0	23	<5.0	<5.0	10	6.8	7.7	9.7	<5.0	<5.0
17	14	<5.0	<5.0	8.4	<5.0	<5.0	22	8.4	12	14	<5.0	<5.0
18	22	<5.0	<5.0	47	<5.0	<5.0	12	6.0	7.4	73	5.3	11
19	7.5	<5.0	<5.0	584	24	40	11	5.3	6.3	17	<5.0	<5.0
20	5.8	<5.0	<5.0	27	18	22	11	5.1	5.9	6.0	<5.0	<5.0
21	<5.0	<5.0	<5.0	25	13	15	12	<5.0	5.4	6.9	<5.0	<5.0
22	20	<5.0	<5.0	16	9.0	11	---	---	---	5.9	<5.0	<5.0
23	7.1	<5.0	<5.0	11	6.3	8.5	---	---	---	13	<5.0	<5.0
24	11	<5.0	<5.0	12	6.4	7.7	---	---	---	8.8	<5.0	<5.0
25	<5.0	<5.0	<5.0	11	<5.0	6.0	---	---	---	262	<5.0	101
26	426	<5.0	<5.0	8.3	<5.0	<5.0	---	---	---	80	20	26
27	72	13	22	242	<5.0	5.3	---	---	---	23	15	17
28	18	6.8	9.0	66	14	34	---	---	---	19	14	15
29	11	<5.0	5.0	14	6.8	8.0	---	---	---	15	12	12
30	9.0	<5.0	<5.0	8.8	5.3	6.0	17	<5.0	<5.0	14	<5.0	11
31	16	<5.0	<5.0	---	---	---	6.8	<5.0	<5.0	6.7	<5.0	<5.0
MAX	---	---	---	584	35	40	---	---	---	262	20	101
MIN	---	---	---	6.3	5.0	5.0	---	---	---	5.2	5.0	5.0

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12	<5.0	<5.0	---	---	---	8.7	<5.0	<5.0	33	<5.0	8.8
2	98	<5.0	<5.0	---	---	---	5.7	<5.0	<5.0	726	18	36
3	80	<5.0	8.1	14	8.3	9.9	6.6	<5.0	<5.0	35	13	18
4	5.9	<5.0	<5.0	22	7.4	9.2	6.8	<5.0	<5.0	19	7.3	11
5	6.4	<5.0	<5.0	17	7.1	8.8	11	<5.0	<5.0	18	5.1	7.9
6	514	<5.0	54	30	7.8	11	6.1	<5.0	<5.0	26	<5.0	6.5
7	40	20	24	14	6.7	8.1	5.1	<5.0	<5.0	14	<5.0	5.4
8	27	19	22	11	6.2	7.8	6.8	<5.0	<5.0	10	<5.0	5.0
9	39	17	21	16	5.9	7.2	<5.0	<5.0	<5.0	32	<5.0	<5.0
10	101	15	18	19	5.4	6.3	6.8	<5.0	<5.0	16	<5.0	<5.0
11	28	12	14	11	5.5	6.6	13	<5.0	<5.0	14	<5.0	<5.0
12	453	24	52	8.9	5.0	5.7	125	<5.0	<5.0	458	<5.0	<5.0
13	32	21	24	9.4	<5.0	6.0	91	9.6	28	89	14	25
14	70	20	38	13	<5.0	6.1	18	<5.0	5.9	39	8.4	13
15	225	20	39	8.0	<5.0	5.5	12	<5.0	<5.0	17	5.4	8.7
16	34	20	23	9.2	<5.0	5.6	8.3	<5.0	<5.0	14	<5.0	6.0
17	31	16	19	13	<5.0	5.3	7.3	<5.0	<5.0	15	<5.0	5.0
18	26	14	16	7.3	<5.0	<5.0	9.2	<5.0	<5.0	15	<5.0	6.9
19	24	14	16	7.0	<5.0	<5.0	31	<5.0	<5.0	15	<5.0	5.1
20	24	16	17	7.6	<5.0	<5.0	12	<5.0	<5.0	12	<5.0	5.4
21	21	14	16	11	<5.0	<5.0	6.2	<5.0	<5.0	14	<5.0	5.2
22	18	13	14	13	<5.0	<5.0	18	<5.0	<5.0	61	<5.0	9.1
23	20	11	13	34	<5.0	<5.0	9.8	<5.0	<5.0	29	<5.0	6.1
24	19	12	14	11	<5.0	5.3	7.1	<5.0	<5.0	12	<5.0	6.2
25	---	---	---	10	<5.0	<5.0	16	<5.0	<5.0	17	<5.0	5.8
26	---	---	---	7.7	<5.0	<5.0	14	<5.0	5.8	14	<5.0	<5.0
27	---	---	---	7.0	<5.0	<5.0	10	<5.0	<5.0	10	<5.0	<5.0
28	---	---	---	6.0	<5.0	<5.0	6.9	<5.0	<5.0	9.2	<5.0	<5.0
29	---	---	---	7.4	<5.0	<5.0	8.2	<5.0	<5.0	14	<5.0	<5.0
30	---	---	---	25	<5.0	6.9	12	<5.0	<5.0	9.3	<5.0	<5.0
31	---	---	---	9.7	<5.0	<5.0	---	---	---	189	<5.0	14
MAX	---	---	---	---	---	---	125	9.6	28	726	18	36
MIN	---	---	---	---	---	---	5.0	5.0	5.0	9.2	5.0	5.0

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18	<5.0	5.9	---	---	---	13	<5.0	<5.0	289	<5.0	6.3
2	16	<5.0	5.4	---	---	---	---	---	---	>2200	18	52
3	---	---	---	---	---	---	---	---	---	22	5.8	9.8
4	---	---	---	---	---	---	---	---	---	12	<5.0	5.3
5	---	---	---	64	7.4	14	305	<5.0	<5.0	33	<5.0	<5.0
6	16	<5.0	<5.0	30	<5.0	9.3	28	<5.0	<5.0	42	<5.0	<5.0
7	141	<5.0	5.9	14	<5.0	5.8	25	<5.0	<5.0	1480	33	140
8	213	8.5	23	---	---	---	15	<5.0	<5.0	116	51	98
9	21	<5.0	6.9	382	<5.0	6.4	8.0	<5.0	<5.0	---	---	---
10	16	<5.0	5.0	47	8.5	14	13	<5.0	<5.0	156	18	25
11	10	<5.0	<5.0	11	<5.0	5.9	16	<5.0	<5.0	30	10	18
12	304	<5.0	5.7	22	<5.0	<5.0	1890	<5.0	70	16	5.0	8.1
13	>2200	<5.0	38	10	<5.0	<5.0	31	13	19	300	<5.0	7.6
14	636	25	56	103	<5.0	11	51	5.5	7.9	31	<5.0	5.0
15	272	14	23	35	<5.0	5.9	15	<5.0	5.8	6.2	<5.0	<5.0
16	>2200	5.9	14	37	<5.0	<5.0	18	<5.0	<5.0	---	---	---
17	999	28	46	19	<5.0	<5.0	9.1	<5.0	<5.0	---	---	---
18	31	8.5	16	158	<5.0	<5.0	29	<5.0	<5.0	---	---	---
19	18	<5.0	6.6	5.1	<5.0	<5.0	14	<5.0	<5.0	73	34	52
20	24	<5.0	<5.0	12	<5.0	<5.0	9.9	<5.0	<5.0	35	20	29
21	186	<5.0	33	12	<5.0	<5.0	11	<5.0	<5.0	23	14	18
22	1740	<5.0	9.6	6.3	<5.0	<5.0	8.7	<5.0	<5.0	17	11	13
23	>2200	24	131	7.4	<5.0	<5.0	---	---	---	17	8.2	9.5
24	126	17	27	12	<5.0	<5.0	---	---	---	9.4	5.2	7.1
25	88	11	22	245	<5.0	<5.0	6.2	<5.0	<5.0	6.7	<5.0	5.0
26	34	8.4	16	298	5.4	12	7.2	<5.0	<5.0	12	<5.0	6.5
27	623	5.6	14	29	<5.0	5.3	5.4	<5.0	<5.0	1750	<5.0	26
28	803	21	44	11	<5.0	<5.0	25	<5.0	<5.0	358	27	36
29	---	---	---	919	<5.0	9.7	7.6	<5.0	<5.0	37	22	28
30	---	---	---	87	<5.0	7.5	87	<5.0	<5.0	24	14	18
31	---	---	---	16	<5.0	<5.0	13	<5.0	<5.0	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

ALTAMAHA RIVER BASIN
2004 Water Year

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA

LOCATION. -- Lat. 33°46'41", long 84°02'17", North American Datum (NAD) 1927, Hydrologic Unit Code 03070103, Gwinnett County, on Lee Road, 2.0 miles East of GA 124.

DRAINAGE AREA. – 10.14 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.— March 11, 1999 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)
OCT													
06...	0955	--	9	81213	7.1	1.88	--	2.3	--	--	140	--	--
OCT													
26-26	1500	1505	J	81213	37	2.67	--	120	--	--	16000	--	--
DEC													
22...	1240	--	9	81213	11	2.09	--	4.8	--	--	180	--	--
FEB													
06-06	1022	1030	J	81213	32	2.55	--	65	--	--	E170	--	--
MAR													
10...	1130	--	9	81213	13	2.09	--	4.6	--	--	110	--	--
24...	1240	--	9	81213	10	2.00	--	4.5	--	--	42	--	--
MAY													
26...	1020	--	9	81213	6.3	1.85	--	4.4	--	--	130	--	--
MAY													
31-31	0920	0925	J	81213	14	2.11	--	95	--	--	6700	--	--
JUN													
07-07	2140	2150	J	81213	9.9	1.99	--	84	--	--	3900	--	--
JUN													
21-21	1345	1350	J	81213	15	2.18	--	40	--	--	2400	--	--
JUL													
08...	1040	--	9	81213	8.4	1.99	--	5.0	.8	<5	--	9.10	29
JUL													
25-26	2318	0212	J	80855	--	--	150	200	7.0	E8	12000	6.90	24
SEP													
07-07	0201	1259	J	80855	--	--	250	330	4.2	E16	4600	5.70	25

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Loss on ig-nition, from ROE, wat unf mg/L (00505)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)
OCT 06...	--	--	--	79	3	2	1.50	1.70	A.028	<.20	<.02	<.02	--
OCT 26-26	--	--	--	68	166	26	1.50	1.50	A.127	1.4	.06	.20	--
DEC 22...	--	--	--	69	2	<1	1.70	1.70	A.019	<.20	<.02	<.02	--
FEB 06-06	--	--	--	56	52	9	1.40	1.50	A.135	.60	<.02	.05	--
MAR 10...	--	--	--	72	2	<1	1.60	1.80	A.023	<.20	<.02	<.02	--
24...	--	--	--	82	3	1	2.10	2.30	A.036	<.20	<.02	<.02	--
MAY 26...	--	--	--	82	3	<1	.61	1.90	A.030	.40	<.02	<.02	--
MAY 31-31	--	--	--	77	129	24	1.50	1.60	A.083	1.2	<.02	.11	--
JUN 07-07	--	--	--	77	82	16	1.70	1.70	A.119	.70	<.02	.10	--
JUN 21-21	--	--	--	73	22	4	1.50	1.50	A.061	.50	<.02	.04	--
JUL 08...	1.60	--	--	68	6	1	1.30	1.30	A.034	<.20	<.02	<.02	<.5
JUL 25-26	1.50	1.6	33	80	260	52	.960	.860	.180	1.2	E.034	.130	<5.0
SEP 07-07	1.10	1.9	--	91	390	53	.900	.940	E.096	.80	<.050	<.050	<5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Organic carbon, water, unfltrd mg/L (00680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT 06...	--	--	--	--	--	2.1	--	3
OCT 26-26	--	--	--	--	--	5.0	34	202
DEC 22...	--	--	--	--	--	1.8	--	3
FEB 06-06	--	--	--	--	--	2.3	76	63
MAR 10...	--	--	--	--	--	1.4	--	3
24...	--	--	--	--	--	1.4	--	14
MAY 26...	--	--	--	--	--	2.2	--	3
MAY 31-31	--	--	--	--	--	3.3	43	135
JUN 07-07	--	--	--	--	--	4.7	65	86
JUN 21-21	--	--	--	--	--	3.8	87	31
JUL 08...	<1	<2	<2	151	2	3.5	--	--
JUL 25-26	E2	M	M	950	20	--	82	260
SEP 07-07	12	M	M	750	190	--	55	734

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
06...	0959	9	4.50	7.1	1.88	94	8.8	6.6	130	17.8	2.9	--	--
06...	1000	9	9.50	7.1	1.88	95	8.8	6.6	130	17.7	4.7	--	--
06...	1001	9	14.5	7.1	1.88	95	8.9	6.6	130	17.7	2.9	--	--
26...	1508	J	5.00	44	2.85	100	9.4	7.0	103	17.4	200	32	224
26...	1509	J	10.0	44	2.85	91	8.6	6.9	104	17.3	200	50	258
26...	1510	J	15.0	44	2.85	91	8.5	6.8	106	17.3	180	51	222
DEC													
22...	1245	9	14.0	11	2.09	102	12.5	6.7	101	6.1	8.9	--	1
22...	1246	9	9.00	11	2.09	102	12.5	6.7	101	6.1	8.6	--	3
22...	1247	9	4.00	11	2.09	102	12.5	6.8	101	6.1	8.5	--	.4
FEB													
06...	1029	J	12.0	34	2.60	116	14.3	6.8	88	6.5	120	69	94
06...	1030	J	8.00	34	2.60	114	14.0	6.9	86	6.5	120	66	94
06...	1031	J	4.00	35	2.61	114	14.0	6.9	84	6.5	110	62	75
06...	1042	J	3.00	40	2.76	115	14.2	6.8	84	6.5	360	76	264
06...	1043	J	7.00	41	2.77	116	14.3	6.8	83	6.5	290	77	342
06...	1044	J	11.0	41	2.79	116	14.3	6.8	81	6.5	240	85	378
MAR													
10...	1140	9	4.00	13	2.09	97	10.6	6.9	103	10.6	3.9	--	--
10...	1141	9	8.00	13	2.09	97	10.6	6.9	103	10.6	3.4	--	--
10...	1142	9	13.0	13	2.09	97	10.6	6.9	103	10.6	3.5	--	--
24...	1244	9	4.00	10	2.00	111	11.5	7.1	117	13.4	4.2	--	--
24...	1245	9	9.00	10	2.00	111	11.5	7.1	117	13.5	4.1	--	--
24...	1246	9	14.0	10	2.00	111	11.5	7.1	117	13.5	4.8	--	--
MAY													
26...	1029	9	11.0	6.3	1.85	96	8.3	6.7	121	22.2	5.1	--	--
26...	1030	9	7.00	6.3	1.85	94	8.1	6.7	121	22.3	4.5	--	--
26...	1031	9	3.00	6.3	1.85	93	8.1	6.7	121	22.3	3.4	--	--
31...	0928	J	4.00	15	2.13	86	7.3	7.0	115	21.9	140	40	139
31...	0929	J	8.00	15	2.13	89	7.6	7.0	115	21.9	150	40	139
31...	0930	J	12.0	15	2.13	87	7.4	7.0	115	21.9	130	40	139
JUN													
07...	2154	J	12.0	11	2.02	86	7.5	6.5	121	21.4	35	73	86
07...	2155	J	8.00	11	2.02	86	7.5	6.6	120	21.4	110	73	86
07...	2156	J	4.00	11	2.02	85	7.4	6.5	120	21.4	95	73	86
21...	1353	J	5.00	15	2.17	96	7.8	7.0	101	24.6	42	85	34
21...	1354	J	9.00	15	2.17	94	7.6	7.0	101	24.6	42	84	33
21...	1355	J	13.0	15	2.17	94	7.6	7.0	101	24.6	42	89	30
JUL													
08...	1048	9	8.00	8.4	1.99	91	7.6	6.8	106	23.7	1.6	--	--
08...	1049	9	6.00	8.4	1.99	91	7.6	6.8	106	23.7	1.9	--	--
08...	1050	9	4.00	8.4	1.99	91	7.6	6.8	106	23.7	1.9	--	--
26...	0144	J	4.00	37	2.69	92	7.7	7.1	73	23.5	320	88	386
26...	0145	J	10.0	37	2.69	91	7.6	7.1	73	23.5	320	81	425
26...	0146	J	14.0	37	2.69	91	7.6	7.1	74	23.5	320	92	340
SEP													
07...	1239	J	7.00	150	4.68	86	7.4	6.8	126	23.4	160	57	321
07...	1242	J	14.0	150	4.68	86	7.3	6.8	126	23.4	160	52	355
07...	1243	J	21.0	150	4.68	88	7.5	6.9	126	23.4	150	53	362

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

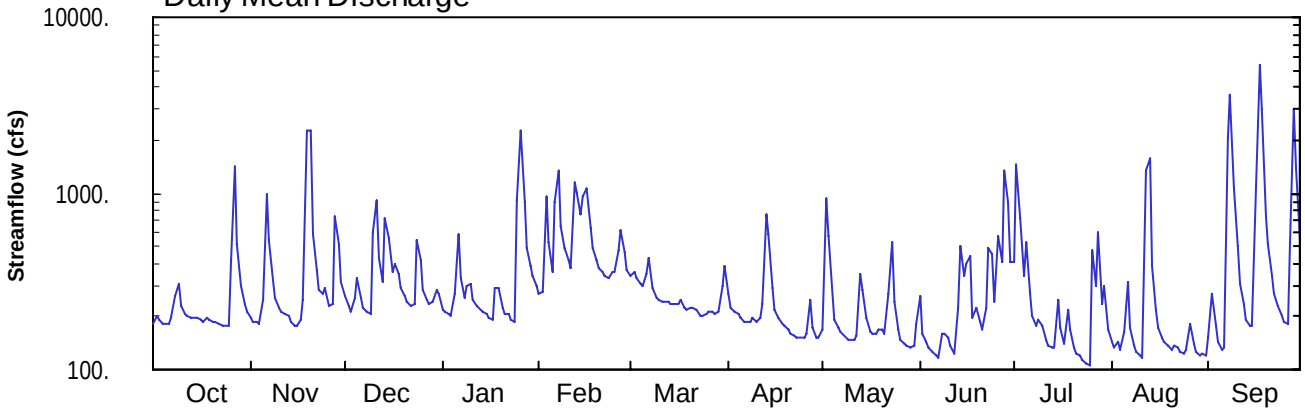
ALTAMAHA RIVER BASIN

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA

Latitude: 33°44'01" Longitude: 084°03'43" Hydrologic Unit Code: 03070103

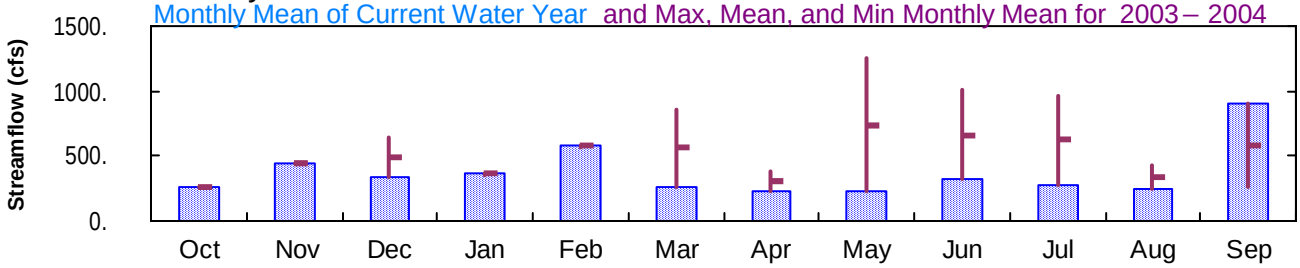
De kalb County Datum: 720 feet Drainage Area: 213. mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2004 Water Year

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°44'01", long 84°03'43", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, on right upstream side of bridge on Pleasant Hill Road, 0.30 miles upstream of Johnson Creek confluence, 1.6 miles east of GA 124, 0.75 miles west of Dekalb/Rockdale County line.

DRAINAGE AREA.—213 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 27, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 720.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 27, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 720.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.09 feet, September 18; minimum gage-height recorded, 1.72 feet, July 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 27, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213* CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	196	262	220	267	342	270	166	260	405	145	150
2	201	189	231	210	279	356	227	928	161	1460	133	267
3	190	184	213	207	967	332	215	574	143	728	145	179
4	183	182	255	203	528	309	207	273	135	342	129	143
5	182	247	327	269	359	296	194	192	127	526	164	130
6	183	975	258	581	887	347	187	172	120	266	316	133
7	198	536	227	335	1340	431	185	162	116	201	172	2030
8	263	321	214	255	650	294	189	155	161	175	138	3580
9	309	256	205	296	489	255	194	149	158	192	125	1060
10	230	227	595	309	416	248	187	148	150	179	119	498
11	210	213	922	246	374	243	196	147	137	149	117	309
12	204	208	427	228	1150	245	238	157	123	138	1350	233
13	198	202	317	218	1020	244	760	349	224	132	1570	194
14	196	187	723	213	769	238	586	281	501	132	386	176
15	197	177	557	205	959	238	291	195	343	248	217	177
16	191	179	353	197	1070	237	219	163	399	172	172	1090
17	187	193	394	193	628	248	194	159	443	139	153	5400
18	197	251	350	288	488	225	182	161	195	217	145	3020
19	192	2250	290	293	422	220	175	169	e225	167	137	749
20	187	2290	264	222	376	223	168	169	e187	134	129	514
21	186	588	243	207	357	224	159	158	e166	123	137	340
22	183	366	228	208	336	217	155	267	222	119	134	267
23	178	286	234	191	329	203	153	527	495	114	126	229
24	177	269	537	186	354	204	152	239	458	109	123	203
25	175	293	414	915	354	206	153	166	240	105	128	186
26	423	232	280	2290	475	e211	159	149	571	474	182	180
27	1420	234	248	880	614	e210	249	141	412	302	142	513
28	515	737	234	493	461	e209	172	136	1360	595	126	3010
29	298	512	244	384	371	e211	153	132	889	236	120	1380
30	237	315	280	337	---	300	150	136	409	300	124	553
31	212	---	269	297	---	382	---	180	---	170	121	---
TOTAL	8085	13295	10595	11576	17089	8148	6719	7100	9530	8749	7425	26893
MEAN	261	443	342	373	589	263	224	229	318	282	240	896
MAX	1420	2290	922	2290	1340	431	760	928	1360	1460	1570	5400
MIN	175	177	205	186	267	203	150	132	116	105	117	130
CFSM	1.22	2.08	1.60	1.75	2.77	1.23	1.05	1.08	1.49	1.33	1.12	4.21
IN.	1.41	2.32	1.85	2.02	2.98	1.42	1.17	1.24	1.66	1.53	1.30	4.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	261	443	496	363	574	561	303	741	664	625	332	577
MAX	261	443	650	373	589	860	382	1253	1010	967	424	896
(WY)	2004	2004	2003	2004	2004	2003	2003	2003	2003	2003	2003	2004
MIN	261	443	342	353	559	263	224	229	318	282	240	257
(WY)	2004	2004	2004	2003	2003	2004	2004	2004	2004	2004	2004	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	216693		135204			
ANNUAL MEAN	594		369		369	
HIGHEST ANNUAL MEAN					369	2004
LOWEST ANNUAL MEAN					369	2004
HIGHEST DAILY MEAN	6730	Jul 2	5400	Sep 17	6730	Jul 2 2003
LOWEST DAILY MEAN	175	Oct 25	105	Jul 25	105	Jul 25 2004
ANNUAL SEVEN-DAY MINIMUM	183	Oct 19	124	Jul 19	124	Jul 19 2004
MAXIMUM PEAK FLOW			5990	Sep 18	9010	May 7 2003
MAXIMUM PEAK STAGE			15.09	Sep 18	17.53	May 7 2003
INSTANTANEOUS LOW FLOW			98	Jul 25		
ANNUAL RUNOFF (CFSM)	2.79		1.73		1.73	
ANNUAL RUNOFF (INCHES)	37.84		23.61		23.56	
10 PERCENT EXCEEDS	1030		635		635	
50 PERCENT EXCEEDS	327		226		226	
90 PERCENT EXCEEDS	201		138		138	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213* CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.38	2.47	3.13	2.84	3.16	3.27	3.02	2.39	3.03	3.81	2.17	2.16
2	2.40	2.43	2.92	2.78	3.22	3.35	2.71	5.80	2.33	7.54	2.05	3.09
3	2.28	2.40	2.79	2.75	6.10	3.21	2.62	4.58	2.15	5.15	2.17	2.50
4	2.20	2.38	3.08	2.73	4.48	3.07	2.55	3.12	2.07	3.48	2.01	2.15
5	2.19	2.76	3.52	3.11	3.70	2.99	2.46	2.63	1.98	4.37	2.25	2.01
6	2.20	6.13	3.10	4.71	5.53	3.27	2.41	2.45	1.91	3.09	3.35	2.05
7	2.37	4.44	2.89	3.55	7.21	3.80	2.40	2.35	1.87	2.69	2.44	8.39
8	2.85	3.34	2.81	3.08	4.74	3.14	2.42	2.28	2.31	2.47	2.10	12.21
9	3.42	2.91	2.74	3.34	4.04	2.91	2.46	2.22	2.31	2.56	1.96	6.34
10	2.72	2.71	4.50	3.42	3.68	2.86	2.41	2.21	2.23	2.50	1.89	4.27
11	2.50	2.60	5.94	3.02	3.45	2.83	2.47	2.20	2.09	2.22	1.88	3.31
12	2.43	2.56	4.03	2.90	6.44	2.84	2.79	2.29	1.94	2.11	6.60	2.90
13	2.36	2.52	3.46	2.83	6.15	2.83	5.24	3.52	2.81	2.04	7.83	2.64
14	2.34	2.42	5.22	2.80	5.22	2.79	4.64	3.16	4.29	2.04	3.71	2.48
15	2.35	2.35	4.61	2.74	5.93	2.79	3.21	2.64	3.49	2.90	2.80	2.49
16	2.29	2.36	3.67	2.67	6.34	2.78	2.82	2.36	3.79	2.43	2.44	4.99
17	2.25	2.46	3.87	2.63	4.66	2.86	2.65	2.31	3.97	2.11	2.26	14.50
18	2.35	2.88	3.65	3.27	4.04	2.69	2.53	2.33	2.63	2.75	2.18	10.51
19	2.30	9.29	3.31	3.32	3.71	2.65	2.47	2.42	---	2.39	2.09	5.33
20	2.24	9.52	3.15	2.86	3.46	2.68	2.41	2.41	---	2.06	2.00	4.35
21	2.23	4.71	3.01	2.76	3.36	2.68	2.32	2.31	---	1.94	2.09	3.47
22	2.20	3.73	2.91	2.76	3.24	2.63	2.28	2.85	2.82	1.89	2.06	3.10
23	2.15	3.28	2.94	2.62	3.19	2.52	2.26	4.36	4.25	1.85	1.97	2.88
24	2.14	3.17	4.49	2.57	3.34	2.53	2.25	2.91	4.07	1.81	1.93	2.72
25	2.11	3.32	3.96	5.46	3.34	2.55	2.26	2.39	2.94	1.78	1.99	2.58
26	3.34	2.93	3.24	9.81	3.96	---	2.31	2.22	4.59	4.08	2.48	2.52
27	7.50	2.93	3.04	5.79	4.60	---	2.98	2.14	3.74	3.27	2.14	3.91
28	4.33	5.28	2.94	4.34	3.90	---	2.44	2.08	7.38	4.64	1.97	11.33
29	3.19	4.41	3.01	3.83	3.43	---	2.26	2.04	5.80	2.89	1.90	7.29
30	2.78	3.45	3.24	3.58	---	3.15	2.23	2.09	3.83	3.26	1.95	4.52
31	2.59	---	3.17	3.35	---	3.68	---	2.45	---	2.42	1.92	---
MEAN	2.68	3.60	3.49	3.49	4.40	---	2.68	2.69	---	2.92	2.53	4.77
MAX	7.50	9.52	5.94	9.81	7.21	---	5.24	5.80	---	7.54	7.83	14.50
MIN	2.11	2.35	2.74	2.57	3.16	---	2.23	2.04	---	1.78	1.88	2.01

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213* CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	---	0.01	0.32	0.00	---	0.00	0.73
2	0.00	0.01	0.00	0.00	0.58	0.00	0.00	0.64	0.00	---	0.00	0.47
3	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	---	0.00	0.00
4	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
5	0.00	1.11	0.00	0.61	0.00	0.00	0.00	0.00	0.00	---	1.48	0.00
6	0.03	0.04	0.00	0.00	1.29	0.21	0.00	0.00	0.00	---	0.00	0.20
7	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	---	0.00	3.63
8	0.01	0.00	0.00	0.05	0.00	0.00	0.03	0.00	0.28	0.00	0.00	0.03
9	0.00	0.00	0.00	0.27	0.00	0.05	0.00	0.10	0.01	0.00	0.00	0.00
10	0.17	0.00	1.00	0.02	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00
11	0.03	0.00	0.00	0.00	0.22	0.00	0.14	0.03	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.14	0.00	0.48	1.45	---	0.00	1.95	0.00
13	0.00	0.00	0.49	0.00	0.00	0.00	0.42	0.21	---	0.00	0.00	0.00
14	0.01	0.00	0.26	0.00	0.54	0.00	0.01	0.00	---	0.27	0.00	0.00
15	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	---	0.00	0.00	0.00
16	0.00	0.00	0.17	0.00	0.00	0.10	0.00	0.01	---	0.00	0.00	3.47
17	0.09	0.07	0.19	0.29	0.00	0.00	0.00	0.01	---	0.33	0.00	0.20
18	0.01	0.52	0.00	0.13	0.00	0.01	0.00	0.00	---	0.02	0.00	0.00
19	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.09	---	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.01	0.00
21	0.00	0.00	0.00	0.00	0.02	0.10	0.00	0.00	---	0.00	0.10	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	---	0.00	0.01	0.00
23	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
24	0.00	0.19	0.01	0.00	0.09	0.00	0.00	0.00	---	0.00	0.00	0.00
25	0.00	0.00	0.00	2.42	---	0.00	0.00	0.00	---	0.81	0.00	0.00
26	1.52	0.00	0.00	0.16	---	0.00	0.30	0.00	---	0.20	0.00	0.00
27	0.01	0.56	0.00	0.01	---	0.00	0.00	0.00	---	0.22	0.00	1.88
28	0.00	0.36	0.00	0.00	---	0.00	0.00	0.03	---	0.00	0.00	0.00
29	0.00	0.00	0.07	0.00	---	0.00	0.00	0.00	---	0.05	0.00	0.00
30	0.00	0.00	0.08	0.00	---	0.36	0.04	0.00	---	0.00	0.04	0.00
31	0.00	---	0.00	0.00	---	0.14	---	0.37	---	0.00	0.00	---
TOTAL	1.92	3.90	3.22	3.96	---	---	1.43	3.62	---	---	3.60	10.61

ALTAMAHA RIVER BASIN
2004 Water Year

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°44'01", long 84°03'43", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, on right bank of upstream side of bridge on Pleasant Hill Road, 0.3 miles north of Johnson Creek confluence, 1.6 miles east of GA 124, 0.8 miles west of DeKalb/Rockdale County line.

DRAINAGE AREA.—213 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIOD OF RECORD.—February 13, 2003, to current year.

CONTINUOUS WATER QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: February 13, 2003, to current year.
WATER TEMPERATURE: February 13, 2003, to current year.
TURBIDITY: February 13, 2003, to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARK.—Records good, except for turbidity, which is poor.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 293 microsiemens, May 24, 2004; minimum recorded, 38 microsiemens, June 17, 2003.
WATER TEMPERATURE: Maximum recorded, 28.5°C, July 14, 2004; minimum recorded, 4.0°C, January 29, 2004.
TURBIDITY: Maximum recorded, >1,100 NTU, March 20, 2003; minimum recorded, 2.4 NTU, September 19, 20, 2003.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 293 microsiemens, May 24; minimum recorded, 51 microsiemens, September 17.
WATER TEMPERATURE: Maximum recorded, 28.5°C, July 14; minimum recorded, 4.0°C, January 29.
TURBIDITY: Maximum recorded, 920 NTU, September 7; minimum recorded, 2.9 NTU, July 25, August 31.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	168	149	155	164	154	158	125	112	118	149	133	138
2	180	166	170	169	155	160	128	122	126	149	141	145
3	168	155	163	178	168	173	135	128	132	148	135	142
4	173	164	168	183	165	175	138	130	134	150	137	143
5	176	168	173	177	123	166	143	120	131	146	121	137
6	186	170	178	136	79	101	129	116	123	128	94	108
7	185	163	174	104	86	94	148	129	136	114	96	103
8	178	158	163	122	104	114	159	140	146	130	114	122
9	178	122	136	140	122	129	157	147	150	137	127	130
10	131	119	124	150	133	138	148	99	130	139	120	130
11	152	131	143	151	144	147	99	74	82	138	126	132
12	167	152	158	151	146	148	106	89	98	146	133	138
13	172	167	169	155	150	153	118	105	113	145	133	139
14	174	164	169	157	153	155	120	85	108	146	136	141
15	172	167	170	162	155	160	101	85	93	147	141	144
16	181	170	178	166	158	162	113	101	108	154	145	150
17	182	175	177	168	158	163	123	111	116	156	147	152
18	182	174	177	173	136	161	123	107	114	157	143	150
19	179	172	175	136	56	83	128	114	122	147	126	132
20	184	172	178	71	54	61	129	125	127	136	124	128
21	192	174	185	84	71	78	138	128	133	143	136	140
22	183	171	178	101	84	94	140	131	134	146	139	144
23	192	172	183	111	100	106	141	134	137	157	146	154
24	199	183	192	116	109	112	135	93	121	161	154	157
25	200	188	194	120	113	117	107	93	101	159	75	128
26	194	98	173	121	113	117	118	105	111	76	67	70
27	114	67	79	127	121	125	126	116	120	88	76	82
28	102	78	88	122	86	105	136	126	130	100	88	94
29	126	97	110	97	86	92	141	127	133	109	99	104
30	138	126	132	112	97	105	144	131	137	116	106	111
31	157	137	146	---	---	---	144	129	137	121	113	118
MONTH	200	67	160	183	54	128	159	74	123	161	67	129

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	129	119	123	127	116	122	135	109	122	173	155	166
2	128	119	124	125	114	119	136	123	131	155	64	104
3	119	75	91	133	119	126	146	133	141	92	74	84
4	92	79	86	134	125	130	155	139	146	115	92	103
5	105	91	99	138	126	132	155	141	148	131	115	124
6	108	77	98	140	132	136	154	140	148	142	131	137
7	83	70	73	142	112	123	155	142	148	154	142	149
8	88	76	84	126	110	119	155	145	151	163	154	159
9	101	88	96	131	118	125	155	149	152	169	162	165
10	108	99	103	140	128	134	157	144	151	179	166	173
11	113	105	109	146	133	138	160	145	154	172	162	169
12	112	70	93	145	135	140	162	140	154	170	149	163
13	81	70	75	147	138	142	140	81	111	168	117	149
14	92	81	88	151	136	142	100	84	92	123	111	116
15	92	85	88	149	135	141	130	97	112	138	122	127
16	87	80	83	142	133	137	136	122	131	159	138	146
17	99	85	92	142	134	139	145	131	139	165	157	161
18	110	99	105	136	129	133	158	142	149	170	149	162
19	119	109	114	144	133	139	163	147	154	165	150	155
20	123	117	120	148	140	145	162	149	157	182	165	175
21	123	113	119	152	142	145	170	157	164	185	155	166
22	129	122	125	152	142	148	172	159	166	---	---	---
23	134	120	126	151	141	147	172	160	165	245	88	172
24	126	117	121	151	141	147	169	157	163	293	179	226
25	125	119	122	153	140	148	168	157	162	188	145	172
26	123	107	116	154	143	149	176	155	166	171	144	159
27	109	100	105	162	149	156	170	132	157	---	---	---
28	112	103	110	163	149	157	143	124	134	---	---	---
29	124	108	117	161	145	152	161	143	152	---	---	---
30	---	---	---	155	135	145	170	159	165	---	---	---
31	---	---	---	153	107	119	---	---	---	---	---	---
MONTH	134	70	104	163	107	138	176	81	146	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	129	106	116	184	169	176	206	177	193
2	135	114	123	115	58	79	201	184	196	184	128	146
3	160	129	144	86	65	78	216	197	209	142	130	136
4	181	155	167	106	86	99	215	180	203	149	138	142
5	193	168	183	106	86	93	199	175	189	172	149	162
6	201	184	196	118	86	101	197	161	178	190	161	174
7	228	192	206	128	116	121	161	149	154	173	54	99
8	209	182	193	147	128	134	170	159	165	66	52	57
9	206	135	164	---	---	---	192	170	186	80	66	74
10	175	138	151	---	---	---	209	188	199	93	80	87
11	187	163	173	---	---	---	213	202	207	113	90	104
12	---	---	---	---	---	---	213	53	133	128	109	118
13	---	---	---	---	---	---	72	52	59	138	120	128
14	---	---	---	---	---	---	92	72	82	144	133	138
15	---	---	---	204	115	177	110	90	101	151	135	143
16	---	---	---	135	109	121	129	110	117	155	63	132
17	---	---	---	153	135	146	130	123	127	64	51	57
18	---	---	---	190	152	169	138	128	134	74	57	65
19	---	---	---	152	131	137	151	133	144	85	74	80
20	---	---	---	157	147	153	167	145	158	95	82	92
21	---	---	---	182	157	173	168	160	164	113	92	100
22	168	126	151	201	178	190	177	164	172	126	107	117
23	133	99	115	216	185	206	177	166	173	136	120	129
24	126	96	109	223	190	210	178	162	170	141	127	136
25	126	102	112	228	200	216	178	161	169	153	137	144
26	143	91	105	224	99	157	195	159	177	158	144	152
27	120	92	107	125	97	111	159	121	135	155	80	136
28	100	75	82	132	93	109	177	152	166	80	52	59
29	90	73	83	135	94	114	198	165	188	74	57	66
30	108	87	99	159	135	145	221	177	202	89	74	82
31	---	---	---	169	152	158	239	192	219	---	---	---
MONTH	---	---	---	---	---	---	239	52	163	206	51	115

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.8	16.8	17.7	17.0	15.1	16.0	9.3	7.7	8.5	8.2	6.6	7.4
2	17.9	16.1	17.0	17.2	15.4	16.3	9.2	8.0	8.8	9.1	7.5	8.2
3	17.2	15.5	16.4	17.2	15.5	16.4	9.0	8.1	8.4	10.9	9.0	9.8
4	17.8	15.6	16.7	18.1	16.8	17.4	8.3	7.6	7.8	12.3	10.9	11.4
5	18.6	16.3	17.4	19.9	18.1	18.7	7.8	7.5	7.7	13.1	12.3	12.7
6	18.9	17.8	18.4	20.7	19.6	20.2	8.1	7.1	7.6	12.4	9.2	11.1
7	19.4	18.5	18.9	20.9	19.9	20.3	7.7	6.6	7.2	9.2	6.3	7.3
8	19.8	18.9	19.3	20.0	18.2	18.9	7.6	6.2	7.0	6.3	5.0	5.4
9	19.6	18.9	19.3	18.2	16.4	17.3	8.4	6.5	7.4	6.2	5.5	5.8
10	19.9	19.2	19.5	16.4	14.6	15.2	10.2	8.4	9.4	6.2	5.7	6.1
11	19.6	19.0	19.3	15.0	13.5	14.3	9.9	8.0	9.2	6.0	4.7	5.4
12	20.5	18.8	19.5	16.0	13.9	14.9	8.1	7.1	7.6	6.2	4.5	5.4
13	20.4	18.7	19.6	16.1	13.5	15.1	7.7	7.0	7.3	7.6	5.7	6.5
14	20.7	19.4	20.1	13.5	11.8	12.5	7.5	6.9	7.2	8.5	6.5	7.4
15	19.4	17.6	18.3	12.6	11.1	11.9	7.4	6.4	6.9	9.3	8.2	8.7
16	17.6	15.7	16.6	13.4	11.4	12.3	8.4	6.4	7.2	8.6	7.2	8.0
17	16.6	15.1	15.6	15.4	13.4	14.4	8.4	7.9	8.2	8.2	6.9	7.5
18	16.6	14.8	15.6	16.9	15.2	15.9	7.9	6.9	7.4	9.4	7.8	8.5
19	16.7	14.8	15.8	17.5	16.9	17.2	7.5	6.8	7.1	9.3	7.8	8.5
20	17.2	15.2	16.1	17.0	14.7	15.9	6.9	5.7	6.1	7.8	6.1	6.7
21	17.6	15.6	16.6	15.0	13.8	14.4	5.8	4.5	5.2	6.5	5.1	5.9
22	17.9	16.6	17.3	14.3	13.1	13.8	6.0	4.3	5.2	6.6	5.1	5.9
23	17.3	15.9	16.7	14.3	12.9	13.6	7.6	5.2	6.1	6.5	5.4	6.0
24	16.9	15.5	16.3	14.3	12.9	13.8	9.2	7.6	8.4	7.5	4.9	6.0
25	17.1	15.6	16.4	12.9	11.2	11.8	8.4	7.0	7.5	8.1	7.5	7.7
26	17.8	16.6	16.9	11.3	9.9	10.7	7.0	5.5	6.3	7.5	5.7	6.3
27	17.7	16.9	17.4	12.1	10.8	11.3	6.7	5.4	6.1	6.5	5.7	6.0
28	16.9	15.6	16.1	12.9	11.8	12.5	7.0	5.6	6.3	5.9	4.8	5.4
29	16.0	14.6	15.3	11.8	9.4	10.6	8.4	6.3	7.1	5.5	4.0	4.8
30	16.0	14.1	15.1	9.4	7.9	8.6	8.9	8.1	8.6	6.6	4.7	5.6
31	16.4	14.4	15.5	---	---	---	8.6	7.2	7.9	6.7	5.5	6.2
MONTH	20.7	14.1	17.3	20.9	7.9	14.7	10.2	4.3	7.4	13.1	4.0	7.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	5.5	6.2	11.7	8.8	10.0	15.5	13.6	14.5	20.5	18.7	19.4
2	6.7	5.6	6.0	13.8	11.4	12.4	15.1	12.7	14.0	19.8	19.1	19.4
3	5.7	4.9	5.4	15.8	13.5	14.5	16.4	13.0	14.6	19.1	17.8	18.6
4	7.0	5.2	6.0	16.4	14.7	15.5	16.4	13.7	15.1	18.3	16.0	17.2
5	6.5	6.2	6.3	16.5	15.3	15.9	16.3	13.1	14.8	19.0	15.9	17.4
6	7.1	6.3	6.6	17.4	16.1	16.6	16.9	13.4	15.1	20.9	17.2	18.9
7	7.0	6.0	6.7	17.1	15.2	16.2	17.2	14.0	15.7	22.0	18.4	20.1
8	6.5	5.2	5.8	15.7	13.5	14.3	17.6	15.4	16.5	23.0	19.3	21.1
9	6.7	5.5	6.0	13.6	11.7	12.4	18.7	15.6	17.1	23.0	20.6	21.9
10	7.3	5.9	6.5	12.7	10.5	11.6	18.0	15.4	16.9	23.3	20.8	22.0
11	8.1	7.0	7.5	12.7	10.0	11.4	17.7	16.2	17.1	23.1	21.3	22.2
12	8.0	7.1	7.6	13.4	10.8	12.1	17.6	16.6	17.1	23.0	21.5	22.1
13	8.4	7.1	7.7	13.9	11.3	12.5	16.7	14.0	15.4	22.0	21.6	21.8
14	9.0	8.3	8.6	14.4	11.8	13.1	14.7	13.2	13.8	22.7	21.4	22.0
15	9.2	8.8	8.9	15.5	13.8	14.5	15.9	12.4	14.0	23.7	21.5	22.5
16	8.8	7.8	8.2	16.7	14.9	15.6	17.2	13.9	15.5	23.2	21.5	22.5
17	8.0	7.3	7.7	16.4	14.3	15.3	18.6	15.0	16.7	23.3	21.6	22.5
18	8.8	6.9	7.8	15.2	13.2	14.1	20.0	16.3	18.0	23.8	21.7	22.7
19	9.2	7.0	8.1	16.5	13.0	14.7	20.7	17.3	19.0	23.5	22.2	22.8
20	9.3	7.9	8.6	17.1	14.2	15.6	21.0	18.3	19.6	23.9	21.7	22.8
21	11.2	9.3	10.1	17.2	15.5	16.3	20.3	18.5	19.5	25.2	22.0	23.5
22	11.2	9.2	10.2	15.5	12.9	14.0	21.1	17.8	19.5	25.0	22.4	23.9
23	10.6	9.4	9.8	13.6	10.8	12.3	21.4	18.6	20.0	24.9	22.5	23.6
24	10.3	9.8	10.0	14.0	10.7	12.4	21.9	19.1	20.5	25.1	22.8	23.9
25	10.3	9.5	10	15.6	11.8	13.7	22.4	19.8	21.2	25.9	23.8	24.8
26	9.5	7.0	7.9	17.5	13.8	15.6	21.8	19.4	20.6	26.3	23.9	25.1
27	7.0	6.3	6.7	18.4	15.1	16.8	19.6	17.7	18.6	26.2	24.0	25.0
28	8.8	6.0	7.3	19.6	16.1	17.8	19.3	16.3	17.7	25.6	23.8	24.8
29	9.6	7.1	8.3	19.4	17.3	18.3	19.5	16.5	17.9	24.9	23.8	24.3
30	---	---	---	19.5	17.2	18.3	19.2	18.2	18.8	25.2	23.2	24.1
31	---	---	---	17.9	15.5	16.5	---	---	---	24.7	23.2	24.1
MONTH	11.2	4.9	7.7	19.6	8.8	14.5	22.4	12.4	17.2	26.3	15.9	22.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.2	22.0	22.6	24.5	23.7	24.2	28.2	25.8	26.9	25.7	24.4	25.0
2	23.5	21.4	22.5	24.4	23.5	23.7	28.1	26.0	27.1	24.9	24.0	24.3
3	23.5	21.5	22.6	25.2	23.5	24.2	28.0	25.6	26.8	25.0	23.5	24.1
4	24.7	22.2	23.4	25.9	23.9	24.9	28.0	25.6	26.8	24.8	23.2	24.0
5	24.2	21.9	23.1	26.7	24.4	25.5	27.3	25.8	26.4	25.1	23.2	24.1
6	24.7	22.5	23.6	27.0	25.1	26.1	26.7	25.4	26.2	24.8	23.3	24.1
7	24.1	22.7	23.4	27.0	25.0	26.0	25.7	23.9	24.8	24.2	22.5	23.2
8	23.2	22.4	22.8	27.2	24.9	26.1	25.2	22.5	23.9	22.8	22.7	22.7
9	23.3	22.3	22.7	---	25.0	---	24.3	22.4	23.5	23.5	22.4	22.9
10	25.3	22.5	23.7	---	---	---	24.0	22.8	23.2	24.1	22.5	23.3
11	26.4	23.5	24.9	---	---	---	24.2	22.0	23.0	24.3	22.8	23.5
12	27.3	24.5	---	---	---	---	23.8	22.5	23.3	24.3	22.7	23.4
13	---	---	---	---	---	---	23.5	22.7	23.0	23.5	22.6	23.0
14	---	---	---	28.5	---	---	23.7	21.8	22.7	23.0	21.7	22.3
15	---	---	---	27.2	25.2	26.1	24.4	22.5	23.3	22.5	21.7	22.2
16	---	---	---	26.0	24.1	25.1	24.8	22.9	23.8	23.1	22.1	22.4
17	---	---	---	25.8	24.5	25.2	24.9	23.0	23.9	23.1	22.5	22.8
18	---	---	---	26.0	24.2	25.1	25.6	23.5	24.5	22.6	21.8	22.3
19	---	---	---	26.6	24.2	25.3	26.1	23.5	24.7	21.8	20.8	21.3
20	---	---	---	26.8	23.9	25.3	25.7	24.1	25.0	20.9	19.6	20.3
21	26.3	---	---	26.8	24.3	25.6	25.5	24.3	25.0	20.7	19.1	19.9
22	26.5	24.9	25.7	26.9	24.8	25.9	26.0	24.0	25.0	20.7	18.7	19.7
23	25.9	24.8	25.3	27.8	25.2	26.4	26.1	24.5	25.2	21.3	18.9	20.1
24	25.5	24.4	25.0	28.1	25.9	27.0	26.2	24.4	25.2	21.8	19.8	20.8
25	26.0	24.4	25.1	27.7	26.1	26.8	25.7	24.8	25.3	22.2	20.2	21.1
26	25.3	24.0	24.7	26.6	25.6	25.9	25.4	23.4	24.6	21.7	20.0	20.9
27	24.9	24.0	24.5	26.3	25.1	25.6	26.0	23.7	24.8	21.7	20.5	21.0
28	24.9	24.1	24.4	26.3	25.2	25.8	26.6	24.2	25.3	20.9	20.5	20.7
29	25.1	23.9	24.4	26.7	25.4	26.0	25.9	24.8	25.4	21.4	20.8	21.0
30	24.7	23.9	24.3	26.7	25.3	26.0	25.8	24.4	25.1	21.3	19.9	20.7
31	---	---	---	27.8	25.4	26.5	26.3	24.3	25.3	---	---	---
MONTH	---	---	---	---	---	---	28.2	21.8	24.8	25.7	18.7	22.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17	5.6	8.7	14	6.1	8.3	16	11	13	11	5.1	6.3
2	14	5.7	7.7	17	5.4	7.3	17	9.0	11	8.7	4.9	5.5
3	13	5.1	6.7	10	5.2	7.0	22	8.4	9.9	8.9	5.0	5.9
4	9.7	4.9	6.5	10	5.1	6.8	16	9.4	12	8.9	5.3	6.3
5	11	4.5	6.0	220	4.4	6.8	18	12	14	45	5.1	6.8
6	14	5.0	6.8	210	72	110	15	9.4	12	62	32	48
7	22	5.8	7.6	72	19	39	11	7.7	9.5	34	13	21
8	44	5.8	7.8	27	11	16	9.8	6.7	7.8	14	8.1	9.8
9	73	25	37	21	8.5	11	11	6.7	7.4	14	8.1	10
10	32	11	17	14	7.2	9.1	190	7.2	35	12	8.7	10
11	14	6.4	9.3	20	6.4	8.2	200	44	73	9.6	6.2	7.7
12	11	5.7	8.1	24	6.7	8.6	58	20	31	8.9	5.5	6.3
13	10	4.4	6.4	15	6.2	7.7	24	14	17	11	5.0	5.8
14	10	5.0	6.0	13	5.9	7.1	71	16	49	11	5.4	6.4
15	9.9	5.0	6.3	21	5.6	6.9	65	21	34	11	6.0	6.8
16	13	4.1	5.9	12	6.3	7.4	23	14	16	10	5.1	6.2
17	11	4.1	5.5	14	5.7	6.9	20	13	15	9.8	5.1	5.8
18	10	4.4	5.8	17	7.3	9.4	20	12	15	19	6.9	13
19	8.9	3.3	5.2	430	12	260	13	8.3	10	20	10	14
20	9.5	3.7	4.8	260	94	130	11	7.4	8.3	15	5.8	7.9
21	8.3	3.4	5.2	98	40	68	11	6.6	7.4	7.5	5.6	6.1
22	11	3.9	5.6	46	25	34	9.2	6.0	6.8	8.3	5.8	6.7
23	21	4.3	6.3	33	18	23	14	5.9	6.5	14	5.4	6.3
24	7.9	3.4	5.2	23	15	19	62	14	31	9.1	6.0	6.9
25	9.8	3.2	4.9	26	16	19	50	16	23	230	6.5	100
26	240	4.0	5.5	22	12	15	17	8.2	11	220	72	120
27	350	60	200	55	11	13	12	6.2	7.6	72	34	47
28	86	26	48	100	31	63	8.5	5.7	6.4	37	21	27
29	58	14	18	58	24	37	9.1	5.9	7.0	27	16	18
30	20	8.9	12	28	14	19	12	6.7	8.0	22	13	15
31	13	7.9	9.8	---	---	---	13	7.9	9.1	20	12	15
MAX	350	60	200	430	94	260	200	44	73	230	72	120
MIN	7.9	3.2	4.8	10	4.4	6.8	8.5	5.7	6.4	7.5	4.9	5.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	16	9.1	11	11	6.2	7.7	21	8.5	13	15	6.0	8.5
2	69	8.5	9.7	13	7.0	10	12	5.8	7.9	520	13	190
3	280	34	72	13	8.5	10	10	5.3	6.6	160	33	68
4	68	23	37	12	7.5	8.8	10	5.2	6.1	40	17	24
5	26	14	17	12	7.2	8.4	15	4.7	5.6	22	12	16
6	340	12	16	22	7.2	10	9.4	4.5	5.5	20	9.5	12
7	250	48	84	40	18	26	11	4.6	5.6	16	8.5	11
8	57	29	40	22	9.6	14	11	4.3	5.4	25	7.5	14
9	30	20	24	14	7.0	8.7	14	4.8	5.9	20	6.3	9.7
10	22	14	17	10	6.3	7.4	14	4.8	5.9	18	6.5	9.3
11	21	13	15	17	5.7	6.9	11	4.6	6.0	17	6.2	9.1
12	480	14	94	13	5.3	6.7	35	5.5	8.0	190	6.8	11
13	130	36	56	12	5.3	6.5	270	22	110	96	24	45
14	41	30	35	14	5.9	7.1	130	27	58	55	16	26
15	74	32	40	10	6.0	7.4	30	13	19	33	10	19
16	95	34	53	25	5.7	8.3	18	8.6	12	24	7.8	10
17	36	20	27	16	5.8	8.0	16	7.9	9.8	16	7.2	9.9
18	24	16	18	13	6.3	7.7	14	6.6	9.0	31	7.5	12
19	20	13	15	26	5.4	8.0	13	7.1	9.3	230	8.3	17
20	22	9.3	12	---	---	---	18	6.3	9.0	34	9.3	18
21	16	9.2	11	---	---	---	30	7.2	12	26	4.7	12
22	12	8.2	9.4	---	---	---	16	7.4	10	---	---	---
23	13	6.7	8.7	---	---	---	21	6.0	9.8	510	24	84
24	14	9.0	10	8.8	4.2	5.0	32	5.6	8.1	59	16	24
25	11	8.1	9.6	9.5	4.2	5.0	13	5.0	7.6	22	11	16
26	26	9.4	14	8.5	4.1	5.3	13	5.7	7.8	17	8.6	12
27	34	18	26	7.3	4.5	5.1	---	---	---	17	8.1	11
28	21	11	14	9.6	4.7	5.9	22	7.9	11	16	7.4	10
29	13	7.7	9.2	11	5.0	6.3	12	6.0	8.2	17	6.2	8.6
30	---	---	---	36	7.6	10	11	5.3	7.2	16	6.3	8.8
31	---	---	---	48	18	30	---	---	---	45	8.0	15
MAX	480	48	94	---	---	---	---	---	---	---	---	---
MIN	11	6.7	8.7	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	71	23	42	58	26	38	20	9.9	14	76	5.4	9.6
2	27	9.8	14	450	53	210	21	7.9	12	150	27	43
3	23	7.3	11	170	50	90	19	9.9	12	32	12	22
4	26	6.4	9.7	55	29	41	25	12	15	20	7.0	10
5	20	5.2	8.5	220	48	98	390	6.1	14	20	4.5	7.1
6	17	4.1	7.8	63	19	36	86	40	55	9.8	4.4	6.2
7	18	5.3	7.6	28	14	19	47	17	26	920	7.8	270
8	63	8.3	14	20	12	15	20	9.2	12	240	110	170
9	33	11	15	---	---	---	16	6.3	10	110	70	93
10	27	8.9	12	---	---	---	15	6.6	9.1	71	38	58
11	22	6.2	9.8	---	---	---	13	5.4	9.2	46	20	30
12	---	---	---	---	---	---	590	8.4	340	29	14	19
13	---	---	---	---	---	---	300	100	160	18	10	14
14	---	---	---	---	---	---	100	34	58	16	8.4	11
15	---	---	---	---	---	---	39	19	27	13	8.3	9.6
16	---	---	---	---	---	---	23	12	17	760	8.9	12
17	---	---	---	---	---	---	18	9.1	12	580	240	340
18	---	---	---	---	---	---	14	7.4	9.6	290	150	180
19	---	---	---	---	---	---	12	5.7	8.5	150	110	130
20	---	---	---	---	---	---	13	4.3	6.7	110	74	92
21	---	---	---	---	---	---	12	6.6	8.0	75	41	58
22	470	18	26	---	---	---	11	4.3	6.2	42	25	34
23	490	43	87	13	3.6	6.6	8.5	3.7	5.5	27	20	24
24	140	46	70	11	3.5	5.7	7.6	3.1	4.7	24	16	19
25	62	21	34	16	2.9	6.0	9.9	3.3	5.0	18	13	16
26	330	26	120	270	11	86	28	5.0	14	21	12	13
27	660	34	52	96	20	36	34	9.3	21	260	17	21
28	410	150	220	360	21	210	11	4.5	7.1	290	110	210
29	240	61	94	110	22	41	9.0	3.7	5.3	110	69	92
30	67	29	44	110	27	52	6.8	3.2	4.5	73	38	57
31	---	---	---	47	16	32	8.5	2.9	4.7	---	---	---
MAX	---	---	---	---	---	---	590	100	340	920	240	340
MIN	---	---	---	---	---	---	6.8	2.9	4.5	9.8	4.4	6.2

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°44'01", long 84°03'43", referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit 03070103, 0.3 miles north of Johnson Creek confluence, 1.6 miles east of GA 124, .8 miles west of DeKalb/Rockdale County line.

DRAINAGE AREA.—213 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIOD OF RECORD.—December 11, 2002, to current year.

PERIODIC WATER QUALITY RECORDS

REMARKS.— Medium code 9 indicates a surface water sample and medium code 1 indicates a suspended sediment sample. Hydrologic condition 9 indicates baseflow, 8 indicates rising stage, 5 indicates falling stage, and 4 indicates low stable stage. Hydrologic condition X, indicates not applicable, and is applied to samples with more than one hydrologic condition represented. Sample type 9 indicates a routine sample, and H indicates a composite sample taken by an automatic sampler. Hydrologic event 9 indicates a routine sample, and J indicates runoff due to a storm event. Sampler type code 3044 represents a DH-81, 3052 represents a DH-95 with a plastic bottle, and 4115 represents an automatic point sampler. Sampling method code 10 indicates Equal-Width-Increment, and 50 indicates point sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis of Biological Oxygen Demand (BOD-5) during the period of October through September analyzed by the US Geological Survey, Ocala Water-Quality Laboratory. Biological Oxygen Demand samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratories, Inc.-Denver, and stored under analyzing agency code 80855. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic condi-tion	Sample type	Hydro-logic event	Sampler type, code (84164)	Sam-pling method, code (82398)	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)
OCT													
30...	1045	--	9	9	9	9	3052	10	80020	2.82	263	10	7.2
DEC													
10-11	0800	0915	9	X	H	J	4115	50	80020	--	--	130	7.0
15...	1000	--	9	5	9	9	3052	10	80020	4.67	516	49	7.1
JAN													
20...	1015	--	9	5	9	9	3052	10	80020	2.91	252	12	7.1
25-26	0635	1305	9	X	9	J	4115	50	80020	--	--	200	6.9
FEB													
12...	1030	--	9	8	9	J	3052	10	80020	6.99	1240	110	6.6
MAR													
18...	1230	--	9	9	H	9	3070	10	80020	2.69	242	9.0	7.1
APR													
06...	0900	--	9	9	9	9	3052	10	80020	2.39	193	6.2	7.4
MAY													
02-02	0130	1700	9	X	H	J	4115	50	80020	--	--	230	7.1
03...	1220	--	9	5	9	9	3052	10	80020	4.49	578	53	7.1
JUN													
21-23	1725	1050	9	X	H	J	4115	50	80020	--	--	--	--
22...	1010	--	9	5	9	9	3070	10	80020	2.99	295	35	7.3
28...	1145	--	9	5	H	9	3052	10	80020	7.72	1470	290	6.4
JUL													
19...	0815	--	9	5	9	9	3054	10	80020	2.50	180	21	7.1
AUG													
04...	0730	--	9	9	H	9	3052	10	80020	2.03	114	14	7.4
09...	0920	--	9	9	9	9	3070	10	80020	1.97	106	9.7	6.5
12-13	0940	0500	9	X	H	J	4115	50	80020	--	--	440	7.0
16...	0850	--	9	9	9	9	3044	10	80020	2.49	208	21	7.3
26...	0830	--	9	4	H	9	3052	10	80020	3.02	300	18	7.5
SEP													
16-18	1530	0655	9	X	H	J	4115	50	80020	--	--	210	7.7
16-18	1531	0656	9	X	H	J	4115	50	80855	--	--	210	7.7
16-18	1532	0657	1	X	H	J	4115	50	81350	--	--	210	7.7

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Baro-metric pres-sure, mm Hg (00025)	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Dis-solved oxygen, mg/L (00300)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Hard-ness, water, mg/L as CaCO3 (00900)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
30...	127	751	14.2	16.8	1.0	--	--	8.93	2.29	32	--	.28	.030
DEC													
10-11	99	--	--	--	2.3	<10	--	8.48	2.01	29	54	--	--
15...	94	742	6.3	9.6	--	--	11.4	7.71	1.97	27	--	.43	.096
JAN													
20...	125	744	6.0	2.6	.7	--	12.3	9.26	2.32	33	--	.24	.035
25-26	76	--	--	--	2.7	30	--	5.67	1.48	20	57	.83	.085
FEB													
12...	94	743	7.5	5.7	1.6	10	12.2	5.59	1.40	20	60	.57	.060
MAR													
18...	134	745	13.8	22.5	.6	<10	9.2	7.80	2.15	28	82	.27	.010
APR													
06...	150	742	13.3	13.1	.3	--	9.5	10.6	2.74	38	--	.26	.018
MAY													
02-02	96	--	--	--	2.7	40	--	5.06	1.16	17	384	1.5	.021
03...	87	746	18.5	19.9	1.2	--	8.9	6.74	1.66	24	--	.56	.056
JUN													
21-23	--	--	--	--	4.2	20	--	8.77c	1.85c	30	--	.67	.042
22...	142	--	--	--	--	--	--	11.9	2.32	39	--	.40	.029
28...	69	750	24.4	26.1	3.5	40	7.6	5.32	1.22	18	45	1.3	.043
JUL													
19...	121	742	24.2	30.3	<2.0	--	7.4	9.12	2.01	31	--	.31	.020
AUG													
04...	188	744	25.5	30.1	<2.0	--	7.1	14.1	2.41	45	--	.35	.033
09...	177	753	22.4	--	E1.3	--	8.1	13.0	2.21	42	--	.36	.046
12-13	82	--	--	--	4.9	40	--	6.28	1.25	21	65	1.2	.040
16...	120	748	23.0	--	E1.7	--	7.4	8.11	1.74	27	--	.33	.030
26...	235	748	23.5	24.0	<2.0	<10	7.3	17.4	2.73	55	138	.41	.021
SEP													
16-18	79	--	--	--	--	20	--	4.70	1.10	16	56	1.0	E.006n
16-18	79	--	--	--	3.1	--	--	--	--	--	--	--	--
16-18	79	--	--	--	--	--	--	--	--	--	--	--	--

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)
OCT													
30...	.04	1.05d	.26	<.006	.022	1.3	--	1.1	E.06n	2.5	4.2	--	--
DEC													
10-11	--	--	--	--	--	--	<.04	1.0	.10	3.4	7.7	--	--
15...	.12	.956	.33	<.006	.046	1.4	--	.8	.08	3.2	3.3	2.0d	<.1d
JAN													
20...	.05	1.32d	.20	<.006	.016	1.6	--	.8	<.08	3.6	2.5	E.7d	<.1d
25-26	.11	.819	.74	<.006	.145	1.6	<.04	13.7	E.07n	2.4	8.0	--	--
FEB													
12...	.08	.944	.51	<.006	.111	1.5	<.04	.7	E.06n	1.1	5.3	E2.4	E.4
MAR													
18...	.01	1.28d	.26	<.006	.027	1.5	<.04	1.2	E.08n	3.5	3.6	9.3d	<.1d
APR													
06...	.02	1.45	.24	<.006	.016	1.7	--	.8	E.06n	4.0	2.8	.8d	<.1d
MAY													
02-02	.03	.959	1.5	<.006	.31oc	2.5	<.04	.9	.08	3.5	17.0	--	--
03...	.07	.662	.51	<.006	.087	1.2	--	1.0	E.05n	2.1	6.5	2.7d	.5d
JUN													
21-23	.05	.933	.63	<.006	.107	1.6	<.04c	1.3c	E.07nc	13.7c	7.9	--	--
22...	.04	1.59d	.37	<.006	.042	2.0	--	1.2	E.06n	4.1	4.8	<.1d	<.1d
28...	.06	.463	1.2	<.006	.23oc	1.7	<.04	1.3	E.06n	1.3	17.8	E3.0d	E.7d
JUL													
19...	.03	1.19d	.29	<.006	.029	1.5	--	1.1	<.08	2.1	3.9	2.2d	E.3d
AUG													
04...	.04	1.74d	.31	<.006	.028	2.1	--	1.1	E.07n	5.3	3.7	2.1d	E.2d
09...	.06	1.47d	.32	<.006	.024	1.8	--	1.2	.14	5.8	3.6	1.4d	E.3d
12-13	.05	.711	1.2	<.006	.18oc	1.9	<.04	1.6	E.07n	2.5	13.2	--	--
16...	.04	.959	.30	<.006	.031	1.3	--	1.9	.23	2.7	4.3	3.4d	E.6d
26...	.03	2.37d	.39	<.006	.033	2.8	E.02n	1.3	.11	7.9	4.0	--	--
SEP													
16-18	--	.505	--	<.006	.17oc	1.5	<.04	4.2	.14	2.1	10.9	--	--

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT			
30...	6	4.1	67
DEC			
10-11	162	--	46
15...	20	32	74
JAN			
20...	10	6.7	57
25-26	272	--	46
FEB			
12...	136	454	59
MAR			
18...	67	49	6
APR			
06...	5	2.9	73
MAY			
03...	59	86	72
JUN			
28...	300	1190	60
JUL			
19...	17	9.9	92
AUG			
04...	19	8.8	89
09...	11	4.9	96
16...	17	11	83
26...	22	18	89
SEP			
16-18	--	--	--
16-18	--	--	--
16-18	771	--	33

Remark codes used in this table:
  < -- Less than
  E -- Estimated value
Value qualifier codes used in this table:
  c -- See laboratory comment
  d -- Diluted sample: method hi range exceeded
  n -- Below the LRL and above the LT-MDL
  o -- Result determined by alternate method

ALTAMAHA RIVER BASIN
2004 Water Year

02207332 ROBERT'S BRANCH AT BEAR MOUNTAIN ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°40'23", long 83°58'05", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, approximately 2.6 miles northeast of the intersection of GA Highway 20 and Interstate 20.

DRAINAGE AREA.—Not available.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—August 5, 2004 (invertebrates) and September 21, 2004 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 139 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Veneroida		
Corbiculidae		
Corbicula fluminea	3	1
ANNELIDA		
Oligochaeta		
Haplotaxida		
Lumbricidae	7	
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Cambarus sp.	1	
Procambarus sp.	1	
Insecta		
Ephemeroptera		
Baetidae	2	
Baetis sp.	6	
Pseudocloeon sp.	2	
Ephemerellidae		
Serratella sp.	2	
Heptageniidae		
Stenonema sp.	2	
Isonychiidae		
Isonychia sp.	1	
Odonata		
Gomphidae		
Progomphus obscurus		1
Hemiptera		
Gerridae		
Aquarius sp.		1
Megaloptera		
Corydalidae		
Corydalus cornutus	2	
Nigronia fasciatus	2	

02207332 ROBERT'S BRANCH AT BEAR MOUNTAIN ROAD NEAR CONYERS, GA —continued.

	Abundance	
	Multi-habitat	Visual
Trichoptera		
Hydropsychidae	1	
Cheumatopsyche sp.	11	
Hydropsyche betteni gp.	18	
Philopotamidae		
Chimarra aterrima	3	
Coleoptera		
Elmidae		
Microcylloepus pusillus	1	
Stenelmis sp.	1	
Gyrinidae		
Dineutus sp.		1
Ptilodactylidae		
Anchytarsus bicolor	1	
Staphylinidae	1	
Diptera		
Chironomidae		
Ablabesmyia mallochi	3	
Conchapelopia sp.	1	
Paratendipes sp.	3	
Polypedilum flavum	10	
Polypedilum illinoense	1	
Rheocricotopus robacki	2	
Rheotanytarsus sp.	9	
Robackia demeijerei	1	
Saetheria tylus	2	
Tanytarsus sp.	2	
Empididae		
Hemerodromia sp.	3	
Simuliidae		
Simulium sp.	1	
Tipulidae		
Antocha sp.	11	

Fishes

Scientific Name	Common Name	Count	Total Length, mm	Weight, g
Ameiurus brunneus	snail bullhead	1	100	16.0
Ameiurus brunneus	snail bullhead	1	105	14.0
Ameiurus brunneus	snail bullhead	1	94	10.0
Ameiurus brunneus	snail bullhead	1	90	8.0
Ameiurus brunneus	snail bullhead	1	93	8.0
Ameiurus natalis	yellow bullhead	1	138	38.0
Ameiurus nebulosus	brown bullhead	1	130	22.0
Lepomis auritus	redbreast sunfish	1	153	54.0
Lepomis auritus	redbreast sunfish	1	108	20.0
Lepomis auritus	redbreast sunfish	1	80	8.0
Lepomis auritus	redbreast sunfish	1	85	10.0
Lepomis auritus	redbreast sunfish	1	75	8.0
Lepomis auritus	redbreast sunfish	1	55	2.6
Lepomis auritus	redbreast sunfish	1	56	2.4
Lepomis auritus	redbreast sunfish	1	80	8.0
Lepomis auritus	redbreast sunfish	1	88	10.0
Lepomis auritus	redbreast sunfish	1	65	6.0
Lepomis auritus	redbreast sunfish	1	55	2.6
Lepomis auritus	redbreast sunfish	1	55	2.6
Lepomis auritus	redbreast sunfish	1	55	2.5
Lepomis auritus	redbreast sunfish	1	78	8.0
Lepomis auritus	redbreast sunfish	1	60	3.4
Lepomis auritus	redbreast sunfish	1	64	3.5
Lepomis auritus	redbreast sunfish	1	64	3.7
Lepomis auritus	redbreast sunfish	1	53	2.3
Lepomis auritus	redbreast sunfish	1	57	2.7
Lepomis auritus	redbreast sunfish	1	118	28.0
Lepomis auritus	redbreast sunfish	1	80	8.0
Lepomis auritus	redbreast sunfish	1	60	3.1
Lepomis auritus	redbreast sunfish	1	130	30.0
Lepomis auritus	redbreast sunfish	1	90	14.0
Lepomis auritus	redbreast sunfish	1	100	18.0

02207332 ROBERT'S BRANCH AT BEAR MOUNTAIN ROAD NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length, mm	Weight, g
Lepomis auritus	redbreast sunfish	1	105	20.0
Lepomis auritus	redbreast sunfish	1	124	30.0
Lepomis auritus	redbreast sunfish	1	60	3.4
Lepomis auritus	redbreast sunfish	1	48	1.7
Lepomis auritus	redbreast sunfish	1	55	2.6
Lepomis auritus	redbreast sunfish	42	batch	280.0
Lepomis auritus	redbreast sunfish	1	57	3.1
Lepomis cyanellus	green sunfish	1	95	18.0
Lepomis cyanellus	green sunfish	1	75	8.0
Lepomis gulosus	warmouth	1	120	30.0
Lepomis gulosus	warmouth	1	70	5.2
Lepomis gulosus	warmouth	1	85	12.0
Lepomis gulosus	warmouth	1	105	18.7
Lepomis gulosus	warmouth	1	64	4.6
Lepomis macrochirus	bluegill	1	130	34.0
Lepomis macrochirus	bluegill	1	152	66.0
Lepomis macrochirus	bluegill	1	100	16.0
Lepomis macrochirus	bluegill	1	108	18.0
Lepomis macrochirus	bluegill	1	115	26.0
Lepomis macrochirus	bluegill	1	90	10.0
Lepomis macrochirus	bluegill	1	68	4.0
Lepomis macrochirus	bluegill	1	83	8.0
Lepomis macrochirus	bluegill	1	77	6.0
Lepomis macrochirus	bluegill	1	36	0.7
Lepomis macrochirus	bluegill	1	61	3.2
Lepomis macrochirus	bluegill	1	110	20.0
Lepomis macrochirus	bluegill	1	65	3.7
Lepomis macrochirus	bluegill	1	70	6.0
Lepomis macrochirus	bluegill	1	51	1.8
Lepomis macrochirus	bluegill	1	105	15.6
Lepomis macrochirus	bluegill	1	46	0.7
Micropterus salmoides	largemouth bass	1	154	44.0
Nocomis leptocephalus	bluehead chub	1	111	16.0
Nocomis leptocephalus	bluehead chub	1	135	26.0
Nocomis leptocephalus	bluehead chub	1	90	8.0
Nocomis leptocephalus	bluehead chub	1	63	2.4
Nocomis leptocephalus	bluehead chub	1	69	3.3
Nocomis leptocephalus	bluehead chub	1	113	16.0
Nocomis leptocephalus	bluehead chub	1	125	22.0
Nocomis leptocephalus	bluehead chub	1	60	2.2
Nocomis leptocephalus	bluehead chub	1	118	20.0
Nocomis leptocephalus	bluehead chub	1	78	6.0
Nocomis leptocephalus	bluehead chub	1	135	26.0
Nocomis leptocephalus	bluehead chub	1	65	2.8
Nocomis leptocephalus	bluehead chub	1	85	6.0
Nocomis leptocephalus	bluehead chub	1	73	4.1
Nocomis leptocephalus	bluehead chub	1	80	5.6
Nocomis leptocephalus	bluehead chub	1	70	3.3
Nocomis leptocephalus	bluehead chub	1	50	1.3
Nocomis leptocephalus	bluehead chub	1	68	3.6
Nocomis leptocephalus	bluehead chub	1	46	1.0
Nocomis leptocephalus	bluehead chub	1	54	2.0
Nocomis leptocephalus	bluehead chub	1	30	0.3
Nocomis leptocephalus	bluehead chub	1	55	1.6
Nocomis leptocephalus	bluehead chub	1	55	2.3
Nocomis leptocephalus	bluehead chub	1	31	0.3
Notropis lutipinnis	yellowfin shiner	1	53	1.4
Notropis lutipinnis	yellowfin shiner	1	54	1.6
Notropis lutipinnis	yellowfin shiner	1	55	1.9
Notropis lutipinnis	yellowfin shiner	1	55	1.4
Notropis lutipinnis	yellowfin shiner	1	60	2.0
Notropis lutipinnis	yellowfin shiner	1	59	1.8
Notropis lutipinnis	yellowfin shiner	1	55	1.6
Notropis lutipinnis	yellowfin shiner	1	57	2.0
Notropis lutipinnis	yellowfin shiner	1	60	2.2
Notropis lutipinnis	yellowfin shiner	1	58	2.0
Notropis lutipinnis	yellowfin shiner	1	50	1.2
Notropis lutipinnis	yellowfin shiner	1	50	1.0
Notropis lutipinnis	yellowfin shiner	1	52	1.0
Notropis lutipinnis	yellowfin shiner	1	55	1.6
Notropis lutipinnis	yellowfin shiner	1	58	1.8
Notropis lutipinnis	yellowfin shiner	1	57	2.0
Notropis lutipinnis	yellowfin shiner	1	38	0.6

02207332 ROBERT'S BRANCH AT BEAR MOUNTAIN ROAD NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length, mm	Weight, g
Notropis lutipinnis	yellowfin shiner	1	50	1.2
Notropis lutipinnis	yellowfin shiner	1	60	2.0
Notropis lutipinnis	yellowfin shiner	1	52	1.4
Notropis lutipinnis	yellowfin shiner	1	45	1.1
Notropis lutipinnis	yellowfin shiner	1	52	1.3
Notropis lutipinnis	yellowfin shiner	1	48	1.0
Notropis lutipinnis	yellowfin shiner	1	55	1.6
Notropis lutipinnis	yellowfin shiner	1	54	1.5
Notropis lutipinnis	yellowfin shiner	1	60	2.4
Notropis lutipinnis	yellowfin shiner	1	54	1.6
Notropis lutipinnis	yellowfin shiner	1	58	2.4
Notropis lutipinnis	yellowfin shiner	1	55	1.8
Notropis lutipinnis	yellowfin shiner	1	5.5	1.8
Notropis lutipinnis	yellowfin shiner	34	batch	59.9
Noturus insignus	margined madtom	1	80	8.0
Noturus insignus	margined madtom	1	76	4.3
Noturus insignus	margined madtom	1	75	3.9
Noturus insignus	margined madtom	1	56	1.6
Percina nigrofasciata	blackbanded darter	1	53	1.2
Percina nigrofasciata	blackbanded darter	1	65	2.0
Percina nigrofasciata	blackbanded darter	1	60	1.8
Percina nigrofasciata	blackbanded darter	1	68	2.3
Scartomyzon rupiscartes	striped jumprock	1	115	14.7

2004 Water Year

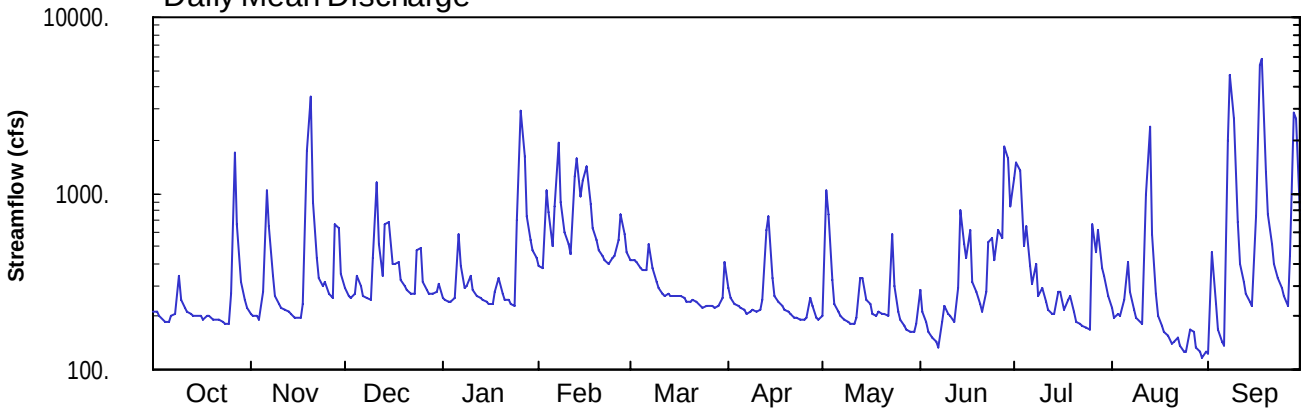
ALTAMAHA RIVER BASIN

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA

Latitude: 33°40'01" Longitude: 083°56'17" Hydrologic Unit Code: 03070103

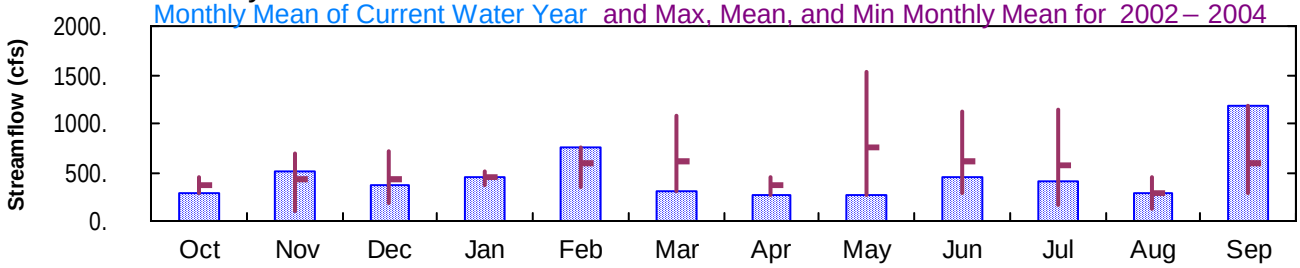
Rockdale County Datum: 620.00 feet Drainage Area: 260. mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



ALTAMAHA RIVER BASIN
2004 Water Year

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°40'01", long 83°56'17", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 100.0 feet upstream of Gees Mill Road, 1.0 miles north of confluence with Big Haynes Creek, and 2.2 miles south of GA 138.

DRAINAGE AREA.—260 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage 620.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Regulation upstream from unknown source.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage 620.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Regulation upstream from unknown source.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.13 feet, September 18; minimum gage-height recorded, 2.94 feet, July 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260* DATUM 620.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e210	209	289	256	387	416	288	200	281	1200	227	122
2	210	204	264	247	377	417	254	e1050	213	1520	196	462
3	200	199	253	244	1050	407	238	760	187	1360	207	233
4	190	194	270	242	786	380	231	319	e165	507	200	168
5	189	277	337	252	496	365	223	237	e150	645	248	145
6	189	1040	296	584	846	371	216	213	e142	390	408	138
7	200	657	265	390	1950	518	208	202	e135	310	278	2020
8	209	337	253	290	896	375	215	193	186	399	219	4650
9	338	264	249	297	600	314	219	186	233	264	196	2630
10	252	236	433	337	510	289	215	182	210	294	185	677
11	226	223	1160	282	455	271	217	181	200	241	181	399
12	211	218	515	263	1250	265	247	198	185	217	988	314
13	208	211	344	254	1580	267	614	327	289	208	2390	267
14	203	205	673	251	966	259	739	334	807	205	581	242
15	199	197	679	244	1180	259	335	249	510	279	271	232
16	199	194	401	238	1430	259	262	234	433	277	203	747
17	192	198	393	233	869	261	241	210	625	219	178	5290
18	200	234	405	278	628	252	227	201	317	249	166	5830
19	202	1770	324	332	540	243	217	212	274	264	157	1300
20	194	3510	300	267	478	243	212	205	237	212	139	757
21	191	901	282	247	444	248	205	209	215	189	145	522
22	193	431	267	247	421	244	198	200	273	184	151	400
23	185	329	267	234	397	233	195	582	530	178	136	335
24	182	295	474	227	429	223	193	297	562	174	127	290
25	181	312	488	713	435	230	194	213	418	170	125	259
26	268	270	315	2940	538	229	197	191	625	666	168	228
27	1690	253	280	1620	760	227	257	178	554	460	162	439
28	668	671	266	733	586	226	228	167	1820	611	135	2880
29	316	629	269	549	459	228	199	164	1580	373	125	2630
30	248	352	279	481	---	255	192	163	852	342	118	776
31	222	---	304	428	---	408	---	184	---	265	128	---
TOTAL	8565	15020	11594	14200	21743	9182	7676	8441	13208	12872	9138	35382
MEAN	276	501	374	458	750	296	256	272	440	415	295	1179
MAX	1690	3510	1160	2940	1950	518	739	1050	1820	1520	2390	5830
MIN	181	194	249	227	377	223	192	163	135	170	118	122
CFSM	1.06	1.93	1.44	1.76	2.88	1.14	0.98	1.05	1.69	1.60	1.13	4.54
IN.	1.23	2.15	1.66	2.03	3.11	1.31	1.10	1.21	1.89	1.84	1.31	5.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	362	429	425	445	585	604	360	754	613	577	289	589
MAX	449	686	716	504	750	1084	441	1535	1120	1143	449	1179
(WY)	2003	2003	2003	2002	2004	2003	2003	2003	2003	2003	2003	2004
MIN	276	101	184	374	350	296	256	272	280	173	121	277
(WY)	2004	2002	2002	2003	2002	2004	2004	2004	2002	2002	2002	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	250662		167021			
ANNUAL MEAN	687		456		601	
HIGHEST ANNUAL MEAN					746	2003
LOWEST ANNUAL MEAN					456	2004
HIGHEST DAILY MEAN	8330	May 7	5830	Sep 18	8330	May 7 2003
LOWEST DAILY MEAN	181	Oct 25	118	Aug 30	50	Sep 11 2002
ANNUAL SEVEN-DAY MINIMUM	190	Oct 19	137	Aug 26	53	Sep 7 2002
MAXIMUM PEAK FLOW			6670	Sep 18	9480	May 7 2003
MAXIMUM PEAK STAGE			14.13	Sep 18	16.31	May 7 2003
ANNUAL RUNOFF (CFSM)	2.64		1.76		2.31	
ANNUAL RUNOFF (INCHES)	35.86		23.90		31.40	
10 PERCENT EXCEEDS	1250		792		1160	
50 PERCENT EXCEEDS	377		262		330	
90 PERCENT EXCEEDS	210		184		195	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260* DATUM 620.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.55	3.97	3.80	4.08	4.20	3.97	3.50	3.93	6.88	3.56	3.27
2	3.48	3.52	3.84	3.75	4.04	4.21	3.79	---	3.57	7.61	3.39	4.70
3	3.43	3.49	3.78	3.74	6.27	4.17	3.70	5.69	3.42	7.22	3.45	3.86
4	3.37	3.46	3.87	3.73	5.47	4.05	3.67	4.11	---	4.82	3.41	3.52
5	3.36	3.82	4.20	3.78	4.51	3.99	3.62	3.70	---	5.32	3.64	3.40
6	3.36	6.53	4.01	5.15	5.57	4.01	3.59	3.56	---	4.35	4.42	3.35
7	3.42	5.39	3.85	4.42	8.61	4.60	3.54	3.51	---	3.99	3.83	8.22
8	3.48	4.20	3.79	3.97	5.82	4.13	3.58	3.46	3.41	4.36	3.52	12.43
9	4.16	3.84	3.76	4.01	4.87	3.93	3.60	3.41	3.67	3.76	3.39	9.45
10	3.72	3.69	4.49	4.20	4.56	3.89	3.58	3.39	3.55	3.91	3.33	5.47
11	3.58	3.62	6.85	3.94	4.35	3.87	3.59	3.39	3.50	3.64	3.31	4.47
12	3.48	3.60	4.90	3.83	6.75	3.85	3.75	3.48	3.41	3.51	5.82	4.09
13	3.47	3.56	4.23	3.79	7.74	3.86	5.11	4.14	3.94	3.46	9.41	3.86
14	3.44	3.52	5.41	3.77	6.04	3.82	5.65	4.18	5.72	3.44	5.09	3.73
15	3.42	3.48	5.47	3.74	6.69	3.81	4.18	3.76	4.83	3.82	3.99	3.67
16	3.42	3.46	4.48	3.71	7.42	3.81	3.83	3.68	4.53	3.82	3.72	5.07
17	3.38	3.48	4.44	3.68	5.74	3.82	3.72	3.55	5.25	3.52	3.58	12.91
18	3.43	3.68	4.49	3.91	4.97	3.78	3.64	3.50	4.02	3.67	3.51	13.42
19	3.43	7.85	4.14	4.17	4.67	3.73	3.59	3.56	3.82	3.76	3.47	7.23
20	3.39	11.08	4.03	3.86	4.44	3.73	3.56	3.52	3.62	3.48	3.37	5.60
21	3.38	6.09	3.94	3.75	4.31	3.76	3.52	3.54	3.50	3.35	3.40	4.75
22	3.39	4.60	3.86	3.75	4.23	3.74	3.49	3.49	3.81	3.32	3.43	4.30
23	3.34	4.16	3.86	3.68	4.13	3.68	3.47	5.13	4.91	3.29	3.35	4.06
24	3.32	4.00	4.71	3.65	4.25	3.62	3.46	4.00	5.04	3.27	3.30	3.89
25	3.32	4.08	4.81	5.23	4.28	3.66	3.46	3.57	4.45	3.24	3.29	3.78
26	3.72	3.87	4.10	10.33	4.65	3.66	3.48	3.44	5.25	5.39	3.53	3.66
27	8.10	3.78	3.93	7.69	5.40	3.65	3.80	3.37	4.92	4.63	3.49	4.43
28	5.39	5.38	3.85	5.31	4.83	3.64	3.65	3.31	8.40	5.15	3.34	10.37
29	4.07	5.30	3.87	4.70	4.37	3.65	3.49	3.29	7.80	4.26	3.29	9.75
30	3.74	4.26	3.92	4.45	---	3.80	3.45	3.29	5.78	4.14	3.25	5.67
31	3.61	---	4.04	4.25	---	4.50	---	3.41	---	3.76	3.30	---
MEAN	---	4.48	4.29	4.38	5.28	3.89	3.75	---	---	4.26	3.81	5.88
MAX	---	11.08	6.85	10.33	8.61	4.60	5.65	---	---	7.61	9.41	13.42
MIN	---	3.46	3.76	3.65	4.04	3.62	3.45	---	---	3.24	3.25	3.27

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260* DATUM 620.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.01	0.00	0.00	0.00	0.01	0.25	0.00	0.00	0.00	2.43
2	0.00	0.00	0.00	0.00	0.53	0.00	0.00	---	0.00	0.00	0.00	0.35
3	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.03	0.39	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00
5	0.00	1.64	0.01	0.53	0.00	0.00	0.00	---	---	0.00	2.31	0.00
6	0.03	0.01	0.00	0.01	1.17	0.13	0.00	0.00	---	0.00	0.00	0.36
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	4.68
8	0.02	0.00	0.00	0.04	0.00	0.00	0.02	0.00	0.11	0.00	0.00	0.09
9	0.01	0.00	0.00	0.25	0.00	0.10	0.00	0.00	0.10	0.00	0.00	0.00
10	0.00	0.00	0.96	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
11	0.01	0.00	0.00	0.00	0.18	0.00	0.06	0.07	0.00	0.00	0.00	0.00
12	0.01	0.00	0.00	0.00	1.23	0.00	0.23	0.87	0.54	0.00	1.41	0.00
13	0.00	0.00	0.32	0.00	0.00	0.00	0.44	0.05	0.22	0.00	0.00	0.00
14	0.02	0.00	0.37	0.00	0.62	0.00	0.00	0.00	0.36	0.00	0.00	0.01
15	---	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.53	0.00	0.00	0.00
16	---	0.00	0.01	0.00	0.00	0.06	0.00	0.08	0.71	0.00	0.00	2.34
17	---	0.00	0.27	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.20
18	0.01	0.56	0.00	0.31	0.00	0.00	0.00	0.52	0.20	0.00	0.00	0.00
19	0.00	1.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.02	---	0.05	0.00
21	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.01	0.24	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.29	0.00	0.00	0.00
23	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00
24	0.00	0.17	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	2.16	---	---	0.00	0.00	0.42	3.25	0.00	0.00
26	2.68	0.00	0.00	0.17	---	0.00	0.27	0.00	0.00	0.55	0.00	0.00
27	0.01	0.37	0.00	0.01	---	0.00	0.00	0.00	1.62	0.07	0.00	2.77
28	0.00	0.51	0.00	0.00	0.00	0.00	0.00	---	1.17	0.00	0.00	0.00
29	0.00	0.00	---	0.00	0.00	0.00	0.00	---	0.01	0.13	0.00	0.00
30	0.00	0.00	---	0.00	---	0.25	0.02	---	0.01	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.16	---	---	---	0.00	0.00	---
TOTAL	---	4.73	---	3.68	---	---	1.05	---	---	---	3.84	13.23

ALTAMAHA RIVER BASIN
2004 Water Year

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°40'01", long 83°56'17", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 100.0 feet upstream of Gees Mill Road, 1.0 miles north of confluence with Big Haynes Creek, and 2.2 miles south of GA 138.

DRAINAGE AREA.—260 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIOD OF RECORD.—November 1, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: November 1, 2001 to current year.
WATER TEMPERATURE: November 1, 2001 to current year.
TURBIDITY: November 1, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance and turbidity, which are fair.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 442 microsiemens, September 13, 2001; minimum recorded, 44 microsiemens, on several days.
WATER TEMPERATURE: Maximum recorded, 30.5 °C, July 18, 2002; minimum recorded, 1.9 °C, January 5, 2002.
TURBIDITY: Maximum recorded, >1,100 NTU, September 18, 2002; minimum recorded, <2 NTU, August 13-16, 2002.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 252 microsiemens, September 1; minimum recorded, 44 microsiemens, September 17, 18.
WATER TEMPERATURE: Maximum recorded, 29.4 °C, July 24; minimum recorded, 4.2 °C, December 22.
TURBIDITY: Maximum recorded, 942 NTU, September 16; minimum recorded, 2.3 NTU, July 25.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	152	130	139	119	102	112	144	129	137
2	183	153	170	156	138	147	129	117	123	154	133	141
3	214	176	191	165	138	150	137	121	129	157	134	145
4	217	174	183	171	152	161	135	123	131	149	128	140
5	211	172	186	172	97	151	142	125	132	149	131	139
6	217	173	190	125	78	106	141	117	127	134	101	117
7	219	173	186	94	78	86	140	120	130	102	84	94
8	228	168	183	114	94	103	149	128	139	122	99	111
9	185	127	162	128	108	119	157	136	148	130	116	124
10	136	118	128	146	121	134	152	121	136	139	120	130
11	153	126	138	155	125	141	121	84	99	135	112	123
12	170	142	154	151	134	146	108	92	100	136	120	129
13	180	155	167	157	134	148	119	106	111	142	127	135
14	186	169	177	158	140	152	122	111	116	142	130	137
15	---	---	---	162	144	156	120	101	106	146	133	140
16	---	---	---	166	151	161	117	104	109	152	135	144
17	---	---	---	168	150	161	123	114	118	154	139	148
18	191	172	183	170	146	162	129	121	125	151	132	141
19	194	176	184	165	63	97	129	116	123	147	126	139
20	192	174	183	68	55	60	135	126	131	128	116	124
21	196	175	185	82	68	74	137	131	135	140	124	132
22	201	186	193	97	81	88	142	135	139	146	130	139
23	200	179	190	109	96	102	145	136	141	158	132	144
24	207	185	195	117	109	112	144	131	136	165	140	153
25	216	191	202	120	111	116	137	112	120	160	85	121
26	211	124	180	122	113	120	119	112	115	85	59	65
27	145	68	93	128	115	123	128	119	123	82	64	74
28	87	71	77	122	94	113	138	124	130	91	79	86
29	110	87	98	94	82	87	---	---	---	100	88	96
30	129	108	117	106	89	97	---	---	---	108	98	103
31	139	121	129	---	---	---	146	134	141	111	101	106
MONTH	---	---	---	172	55	124	---	---	---	165	59	124

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	118	108	114	120	109	115	130	113	118	190	167	180
2	126	110	119	127	111	121	144	123	135	---	---	---
3	113	67	97	130	118	122	153	133	141	---	---	---
4	85	67	76	138	123	129	157	142	149	---	---	---
5	100	84	90	137	121	131	167	144	154	---	---	---
6	101	76	91	138	126	133	167	143	155	---	---	---
7	78	60	66	140	119	133	164	142	155	---	---	---
8	80	65	73	119	107	114	168	146	157	---	---	---
9	93	76	84	130	118	124	169	145	158	---	---	---
10	96	88	92	140	124	131	169	148	161	---	---	---
11	100	92	95	148	129	139	166	148	159	200	175	188
12	103	71	82	146	130	138	175	150	160	193	143	179
13	77	59	65	148	137	142	164	93	138	159	128	146
14	81	69	75	147	137	144	97	80	87	156	118	130
15	84	80	81	156	141	147	117	96	105	146	116	128
16	82	73	78	147	139	143	143	115	125	145	109	131
17	95	80	86	153	135	142	146	130	137	166	129	145
18	105	95	99	147	136	142	155	135	144	171	147	160
19	116	104	108	151	135	142	167	141	154	172	149	160
20	120	110	115	156	143	149	173	145	160	178	143	164
21	119	112	115	155	146	149	174	153	165	203	169	181
22	126	111	116	164	144	155	182	156	172	192	137	158
23	123	114	119	167	144	157	196	164	178	151	86	116
24	124	110	118	165	143	154	184	163	175	118	94	104
25	120	109	115	161	139	154	182	165	174	132	111	121
26	116	100	108	161	141	153	183	165	174	156	127	140
27	102	86	93	167	149	158	183	154	169	178	139	161
28	98	82	89	173	148	162	175	144	158	193	154	177
29	111	96	102	169	145	160	174	141	157	200	172	184
30	---	---	---	164	144	151	186	158	172	200	183	190
31	---	---	---	153	115	137	---	---	---	188	176	183
MONTH	126	59	95	173	107	141	196	80	152	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	180	151	167	87	52	75	156	137	146	252	153	227
2	159	115	135	104	72	86	180	152	160	163	88	127
3	160	120	141	97	72	84	193	167	178	137	121	130
4	---	---	---	115	97	104	204	184	192	157	128	140
5	---	---	---	122	107	116	199	140	182	166	140	153
6	---	---	---	121	104	113	145	132	136	185	153	167
7	---	---	---	144	119	132	141	132	136	167	62	94
8	209	162	192	141	99	125	146	131	138	71	58	61
9	196	162	177	161	136	148	170	144	155	81	61	70
10	182	144	157	160	140	149	176	160	167	97	80	87
11	183	133	163	178	151	162	209	176	189	114	97	103
12	189	163	180	180	166	174	205	86	155	124	113	118
13	194	126	143	194	179	185	86	63	70	137	122	131
14	178	63	124	---	---	---	99	76	87	152	125	138
15	99	77	90	---	---	---	111	99	105	154	124	143
16	116	99	106	177	144	163	132	111	121	158	56	126
17	106	76	89	153	135	143	159	130	142	78	44	54
18	124	100	112	---	---	---	159	141	155	62	44	52
19	140	108	122	---	---	---	177	159	165	75	62	67
20	151	138	144	---	---	---	195	168	178	89	74	82
21	175	130	146	188	156	168	196	182	190	107	88	94
22	161	141	152	200	180	188	197	185	192	122	97	113
23	158	96	112	204	183	195	213	196	203	136	113	128
24	116	91	103	231	197	208	211	197	207	148	121	137
25	118	71	102	222	111	206	211	184	202	154	130	143
26	129	78	98	167	74	122	210	191	205	165	135	151
27	102	66	86	148	101	113	235	183	209	165	88	135
28	86	62	75	125	91	109	186	143	166	104	49	69
29	81	61	73	125	106	111	206	166	190	69	50	58
30	93	52	81	127	111	118	231	184	204	71	62	66
31	---	---	---	149	124	136	238	183	213	---	---	---
MONTH	---	---	---	---	---	---	238	63	166	252	44	112

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.4	---	---	17.1	14.7	15.8	9.3	7.8	8.5	8.2	6.6	7.4
2	18.5	16.4	17.4	17.4	15.0	16.1	9.5	8.0	8.7	8.9	7.2	8.0
3	17.7	15.5	16.5	17.4	15.1	16.2	8.6	8.0	8.4	10.5	8.5	9.4
4	18.3	15.6	16.8	18.0	16.4	17.1	8.3	7.7	7.9	12.0	10.3	11.0
5	19.1	16.3	17.5	20.0	17.7	18.6	7.9	7.6	7.7	12.9	11.7	12.3
6	19.0	17.6	18.3	20.5	19.5	20.0	8.2	7.2	7.6	12.2	9.8	11.1
7	19.5	18.4	18.9	20.5	19.9	20.2	7.9	6.5	7.2	9.8	6.3	8.0
8	19.8	18.9	19.2	19.9	18.2	19.1	7.9	6.1	6.9	6.3	5.3	5.7
9	19.8	19.1	19.4	18.2	16.3	17.4	8.1	6.3	7.2	6.1	5.4	5.7
10	20.1	19.2	19.5	16.3	14.5	15.4	9.8	7.9	8.9	6.2	5.6	5.9
11	19.5	19.1	19.4	15.2	13.6	14.4	9.6	8.7	9.3	5.9	4.6	5.3
12	20.4	19.0	19.5	16.1	13.7	14.9	8.7	7.4	7.9	6.2	4.4	5.3
13	20.7	18.5	19.5	15.7	13.5	14.9	7.6	7.1	7.3	7.2	5.3	6.1
14	20.9	19.3	20.1	13.5	11.8	12.7	7.5	7.1	7.2	8.2	6.2	7.2
15	---	---	---	12.9	11.0	11.9	7.3	6.5	6.9	9.3	8.0	8.5
16	---	---	---	13.3	11.3	12.2	7.9	6.4	7.1	8.7	7.2	7.9
17	16.5	---	---	15.4	12.8	14.1	8.4	7.7	8.1	7.8	6.8	7.4
18	16.8	14.5	15.6	16.4	14.8	15.6	7.8	7.0	7.4	9.1	7.6	8.4
19	17.2	14.6	15.7	17.3	16.4	17.0	7.6	6.7	7.2	9.0	7.6	8.5
20	17.6	14.9	16.0	17.0	15.2	16.2	6.7	5.6	6.2	7.6	6.2	6.9
21	18.1	15.3	16.5	15.2	13.9	14.4	5.8	4.6	5.2	7.1	5.3	6.1
22	18.2	16.2	17.1	14.4	13.4	13.9	6.0	4.2	5.1	6.8	5.0	5.9
23	17.9	15.6	16.6	14.2	12.9	13.6	7.0	4.8	5.8	6.8	5.2	5.9
24	17.5	15.4	16.3	14.1	12.7	13.6	8.4	7.0	7.8	7.2	4.7	6.0
25	17.4	15.5	16.3	12.7	11.1	11.8	8.2	7.0	7.6	8.0	6.8	7.5
26	17.5	16.2	16.9	11.5	10.1	10.8	7.0	6.1	6.5	7.4	5.7	6.6
27	17.8	17.2	17.6	11.8	10.8	11.3	6.8	5.3	6.0	6.4	5.5	5.9
28	17.2	15.7	16.2	12.7	11.8	12.3	6.9	5.4	6.1	6.0	5.0	5.4
29	16.2	15.0	15.5	11.8	9.8	10.8	---	6.0	---	5.3	4.5	4.9
30	16.1	14.2	15.1	9.8	8.5	9.0	9.0	---	---	6.2	4.7	5.5
31	16.5	14.3	15.4	---	---	---	8.3	7.1	7.7	6.8	5.6	6.1
MONTH	---	---	---	20.5	8.5	14.7	---	---	---	12.9	4.4	7.2

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	5.5	6.1	11.2	8.6	9.8	16.2	14.1	14.9	20.6	18.8	19.5
2	6.3	5.7	6.1	13.2	11.0	12.1	15.9	13.0	14.3	---	---	---
3	6.2	5.4	5.7	15.2	12.9	14.0	16.9	13.1	14.8	---	---	---
4	6.3	4.9	5.6	16.2	14.7	15.3	17.0	13.8	15.1	---	---	---
5	6.4	6.2	6.3	16.7	15.3	15.9	17.0	13.3	15.0	---	---	---
6	7.2	6.2	6.7	17.6	16.2	16.7	17.5	13.5	15.3	---	---	---
7	7.2	6.3	6.8	17.0	15.5	16.2	17.7	14.1	15.8	---	---	---
8	6.3	5.4	5.9	15.5	13.6	14.7	18.0	15.4	16.5	---	---	---
9	6.4	5.7	6.0	13.6	12.1	12.7	19.1	15.5	17.0	---	---	---
10	7.2	6.0	6.5	12.9	10.8	11.8	19.0	15.4	17.1	23.9	---	---
11	7.9	7.1	7.5	12.9	10.2	11.5	18.1	16.5	17.3	23.7	21.5	22.4
12	7.9	7.6	7.7	13.6	10.8	12.1	18.2	16.9	17.3	23.4	21.3	22.0
13	8.3	7.1	7.7	13.7	11.0	12.2	17.0	14.5	16.1	22.3	21.3	21.9
14	8.8	8.3	8.5	14.5	11.9	13.1	14.6	13.4	14.0	22.5	21.2	21.9
15	9.2	8.8	9.0	15.6	13.7	14.5	15.5	13.0	14.2	23.3	21.2	22.2
16	8.9	8.1	8.4	16.6	14.8	15.5	17.3	13.8	15.4	23.2	21.8	22.4
17	8.2	7.4	7.8	16.5	14.2	15.2	18.7	15.1	16.8	24.0	21.5	22.5
18	8.5	7.1	7.8	15.1	13.4	14.4	20.1	16.3	18.0	22.8	21.8	22.4
19	8.9	7.3	8.1	16.6	13.1	14.7	21.0	17.4	19.1	23.7	21.8	22.7
20	9.1	7.9	8.5	17.2	14.1	15.6	21.5	18.4	19.7	24.6	22.0	23.2
21	11.0	9.1	9.9	17.7	15.1	16.3	20.9	18.9	19.8	25.3	22.6	23.8
22	10.8	9.2	10.0	15.6	13.1	14.3	21.9	18.1	19.7	---	---	---
23	10.1	9.5	9.8	14.3	11.3	12.7	22.1	18.8	20.2	---	---	---
24	10.2	9.8	10	14.8	10.9	12.7	22.7	19.2	20.7	24.8	---	---
25	10.2	9.5	9.9	15.7	11.8	13.6	23.0	19.9	21.2	26.1	23.6	24.6
26	9.5	7.1	8.0	17.7	13.5	15.4	21.1	19.4	20.7	26.9	24.1	25.3
27	7.2	6.8	7.0	18.8	14.9	16.7	19.8	17.9	18.8	26.9	24.2	25.2
28	8.1	6.1	7.1	19.8	15.8	17.6	19.7	16.7	18.0	26.4	24.4	25.1
29	9.2	7.4	8.2	19.5	17.4	18.2	20.0	16.8	18.1	25.0	24.1	24.5
30	---	---	---	19.8	17.2	18.2	19.6	18.2	18.8	26.4	23.2	24.6
31	---	---	---	18.1	15.3	17.0	---	---	---	24.9	23.4	24.4
MONTH	11.0	4.9	7.7	19.8	8.6	14.5	23.0	13.0	17.3	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.4	22.4	23.0	24.3	22.6	23.6	28.0	26.0	26.9	26.3	23.9	25.2
2	23.9	21.4	22.6	24.2	23.6	23.9	29.0	26.3	27.5	24.5	23.3	24.0
3	24.3	21.8	22.9	24.6	23.4	23.9	28.9	25.8	27.2	24.7	23.8	24.2
4	---	---	---	25.4	23.9	24.7	28.9	25.7	27.2	25.1	23.2	24.0
5	---	---	---	26.0	24.7	25.3	28.1	25.2	26.2	25.6	23.2	24.2
6	---	---	---	27.0	25.2	26.0	27.1	24.9	25.8	24.5	23.5	23.9
7	25.2	---	---	26.9	25.1	26.0	26.0	24.2	25.1	23.7	22.6	23.0
8	24.1	22.6	23.2	26.6	23.5	25.2	25.8	22.8	24.2	23.1	22.8	22.9
9	23.6	22.6	23.1	26.6	25.1	25.8	25.5	22.5	23.9	23.4	22.4	22.9
10	25.6	22.7	23.9	26.9	25.1	26.0	23.9	22.8	23.3	23.7	22.8	23.3
11	26.8	23.9	25.0	27.9	25.5	26.5	24.7	21.9	23.1	24.4	23.1	23.6
12	28.1	24.4	26.0	28.0	25.7	26.7	23.9	22.7	23.1	24.2	23.0	23.5
13	26.1	24.8	25.2	28.7	25.6	26.9	23.5	22.5	23.0	23.5	22.6	23.1
14	25.3	23.9	24.6	---	26.0	---	23.3	22.2	22.8	23.1	21.9	22.5
15	25.8	24.4	24.9	28.1	---	---	24.2	22.8	23.3	22.3	21.8	22.0
16	26.0	24.5	25.1	26.5	24.6	25.6	24.9	23.1	23.9	23.0	22.0	22.4
17	26.5	24.8	25.6	26.1	24.8	25.4	25.2	23.2	24.1	23.0	22.8	22.9
18	26.8	25.6	26.3	---	24.5	---	25.9	23.2	24.5	22.8	22.2	22.5
19	28.0	25.7	26.7	---	---	---	26.5	23.6	24.9	22.2	20.9	21.4
20	28.3	25.8	26.8	27.3	24.3	---	26.6	24.1	25.2	21.1	20.0	20.5
21	27.0	25.4	26.3	28.1	24.5	26.0	26.1	24.6	25.2	20.6	19.4	20.0
22	26.9	25.0	25.8	28.0	24.9	26.4	26.6	24.3	25.3	20.8	19.1	19.9
23	26.0	24.7	25.3	29.0	25.1	26.9	26.5	24.6	25.5	21.3	19.1	20.2
24	25.5	24.8	25.1	29.4	25.6	27.3	27.1	24.2	25.6	21.8	19.8	20.8
25	25.8	24.6	25.0	28.7	24.3	27.1	26.7	24.4	25.5	22.2	20.3	21.2
26	24.9	24.4	24.7	26.6	23.9	25.3	26.2	24.2	25.2	22.0	20.1	21.0
27	25.2	23.9	24.6	26.3	25.3	25.8	26.6	24.0	25.1	21.2	20.7	20.9
28	24.7	23.7	24.3	26.4	25.3	25.8	27.2	24.2	25.5	21.2	20.6	20.9
29	25.0	23.6	24.3	26.6	25.4	26.0	26.7	24.6	25.4	21.3	20.7	21.0
30	24.8	22.7	24.3	27.0	25.6	26.2	26.8	24.2	25.3	21.1	20.3	20.8
31	---	---	---	27.6	25.4	26.5	27.0	24.1	25.4	---	---	---
MONTH	---	---	---	---	---	---	29.0	21.9	25.0	26.3	19.1	22.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	16	9.8	13	21	14	17	12	8.1	9.8
2	13	7.4	10	19	9.7	12	15	12	13	10	6.4	7.6
3	12	7.2	9.2	14	8.5	11	14	10	11	11	7.1	8.4
4	12	7.1	8.9	16	8.0	10	34	11	15	12	7.9	9.5
5	13	5.6	8.5	555	7.7	10	25	13	15	21	8.5	10
6	11	6.0	7.7	213	94	138	20	13	15	65	20	50
7	15	7.3	9.0	148	38	67	17	9.6	13	56	23	35
8	21	6.2	8.6	39	21	27	14	8.1	9.9	25	12	16
9	48	21	30	26	14	18	12	7.9	9.2	14	11	11
10	38	16	22	18	12	15	103	8.7	29	15	11	13
11	24	9.0	14	16	9.7	12	160	59	119	12	8.8	10
12	17	8.3	11	23	9.5	13	71	33	49	10	7.3	8.3
13	21	7.4	11	15	8.3	9.9	37	19	25	10	6.9	7.9
14	21	6.8	9.1	11	7.4	8.6	63	19	35	10	7.4	8.5
15	---	---	---	9.7	6.9	7.9	62	35	51	12	8.6	9.8
16	---	---	---	13	7.4	8.3	38	18	25	14	7.2	8.8
17	---	---	---	11	8.4	9.5	24	18	19	9.4	6.8	7.8
18	11	7.6	9.2	40	9.4	11	24	16	18	19	9.0	15
19	13	7.1	9.5	621	12	274	18	12	14	21	15	17
20	11	5.9	8.4	407	120	197	14	9.5	11	18	8.9	12
21	11	6.2	8.4	134	64	86	11	8.0	9.5	12	6.8	8.0
22	18	7.3	9.3	64	35	46	12	7.4	8.5	9.5	6.7	7.4
23	13	6.4	8.8	39	24	29	12	7.2	8.4	10	6.7	7.7
24	12	6.1	8.3	36	17	24	37	8.1	19	9.9	6.4	7.4
25	13	5.5	7.8	32	19	22	55	23	40	190	7.3	78
26	285	6.3	8.7	34	16	18	27	14	19	266	104	161
27	275	126	209	22	15	17	14	9.3	11	109	52	72
28	129	45	77	93	18	61	11	7.6	8.8	54	30	40
29	45	22	30	85	38	56	---	---	---	35	22	26
30	24	14	18	39	20	27	---	---	---	24	19	21
31	23	12	15	---	---	---	14	9.8	12	22	17	19
MAX	---	---	---	621	120	274	---	---	---	266	104	161
MIN	---	---	---	9.7	6.9	7.9	---	---	---	9.4	6.4	7.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	21	15	17	16	12	14	24	11	15	18	9.0	11
2	28	14	16	17	13	14	17	5.9	10	---	---	---
3	252	23	83	18	12	14	25	5.8	9.0	---	---	---
4	146	47	78	15	9.8	12	13	5.9	7.7	---	---	---
5	49	26	33	14	10	11	9.9	5.6	7.2	---	---	---
6	276	22	27	14	10	12	9.9	5.7	6.9	---	---	---
7	349	105	174	28	14	24	9.6	5.4	6.8	---	---	---
8	108	52	70	28	14	19	10	5.5	6.7	---	---	---
9	54	32	40	17	9.0	12	12	5.5	6.8	---	---	---
10	36	24	27	13	8.8	10	17	6.1	7.3	---	---	---
11	26	21	23	14	7.9	9.3	12	5.2	6.7	22	8.2	12
12	237	22	146	11	7.6	8.9	11	6.4	8.1	181	9.8	14
13	225	73	113	11	7.7	8.9	179	8.1	23	165	35	52
14	76	51	56	12	7.5	8.8	189	44	88	49	23	38
15	91	52	59	11	7.9	8.9	47	19	29	27	17	20
16	125	65	95	12	7.8	9.0	21	11	15	376	14	19
17	72	36	47	13	7.6	9.2	15	9.8	12	86	17	24
18	37	25	31	15	7.5	9.0	15	8.7	11	24	14	19
19	28	22	25	11	6.7	8.4	14	7.7	9.9	23	14	18
20	24	18	21	13	6.4	8.4	30	7.2	10	30	17	20
21	23	17	19	12	7.7	9.3	30	6.7	9.7	27	12	17
22	20	15	17	14	7.1	8.8	14	6.7	9.1	342	12	22
23	18	14	16	11	5.9	7.5	13	6.3	8.9	242	79	114
24	26	15	17	10	5.6	7.2	12	6.3	8.8	79	25	38
25	20	15	17	9.7	5.7	6.9	14	6.2	8.9	27	17	20
26	25	15	19	9.7	6.0	7.0	16	7.7	9.9	22	12	15
27	35	24	32	9.8	5.4	7.2	22	12	16	20	9.1	14
28	32	18	24	11	5.6	7.3	24	11	14	21	9.3	14
29	21	13	17	9.7	5.7	7.2	15	7.7	11	18	8.0	13
30	---	---	---	15	7.5	9.3	13	7.5	10	18	7.8	12
31	---	---	---	30	15	26	---	---	---	39	13	20
MAX	349	105	174	30	15	26	189	44	88	---	---	---
MIN	18	13	16	9.7	5.4	6.9	9.6	5.2	6.7	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	44	27	33	657	64	93	36	8.1	11	197	4.1	6.4
2	32	15	22	482	57	156	15	6.5	8.0	727	38	73
3	21	11	16	245	77	117	9.8	5.1	6.2	44	19	27
4	---	---	---	90	37	52	10	4.1	4.9	26	12	17
5	---	---	---	140	34	88	74	3.7	6.3	34	8.7	15
6	---	---	---	102	32	48	60	18	36	52	7.9	13
7	---	---	---	35	22	28	25	9.7	14	599	14	228
8	122	10	16	296	26	66	18	7.7	9.3	231	120	170
9	84	14	24	33	18	22	11	4.7	6.6	121	83	94
10	32	11	16	54	25	31	13	3.1	4.2	84	55	69
11	25	8.9	15	28	15	21	15	4.0	5.4	58	28	43
12	30	9.4	15	22	12	16	280	3.7	52	31	21	24
13	252	20	134	22	10	14	228	61	164	33	16	19
14	940	45	92	---	---	---	90	22	44	19	10	14
15	148	45	74	---	---	---	26	13	18	19	9.8	11
16	83	35	39	15	6.2	8.2	29	8.8	11	942	10	13
17	221	39	111	9.8	4.8	6.5	11	6.5	8.3	616	245	278
18	44	25	33	---	---	---	12	6.3	7.6	265	130	182
19	37	19	23	---	---	---	9.8	5.5	6.6	150	101	130
20	25	14	18	---	---	---	10	4.7	5.9	119	75	93
21	27	13	18	7.3	3.1	4.5	12	4.7	5.6	76	46	62
22	31	19	24	6.3	2.9	3.5	21	4.5	5.9	47	31	38
23	264	27	116	6.2	2.7	3.5	11	3.8	4.7	35	21	26
24	101	56	73	6.4	2.5	3.3	16	4.1	9.5	25	17	21
25	422	33	44	95	2.3	3.2	8.7	2.9	3.8	22	15	18
26	234	63	128	603	29	104	20	3.3	6.8	20	12	16
27	414	48	76	132	17	46	16	4.8	9.6	133	13	17
28	654	191	265	139	15	38	18	9.6	13	285	129	204
29	683	72	119	79	21	40	15	5.8	8.9	155	77	95
30	939	47	64	26	13	18	15	5.1	8.5	83	47	68
31	---	---	---	23	12	14	17	4.5	7.5	---	---	---
MAX	---	---	---	---	---	---	280	61	164	942	245	278
MIN	---	---	---	---	---	---	8.7	2.9	3.8	19	4.1	6.4

ALTAMAHA RIVER BASIN
2004 Water Year

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°40'01", long 83°56'17", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 100 feet upstream of Gees Mill Road bridge, 1.0 miles north of confluence with Big Haynes Creek, and 2.2 miles south of GA 138.

DRAINAGE AREA.—260 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER QUALITY RECORDS

PERIOD OF RECORD.—November 01, 2001 to current year.

REMARKS.—Medium code 9 indicates a surface water sample and medium code 1 indicates a suspended sediment sample. Hydrologic condition 9 indicates baseflow, 8 indicates rising stage, 5 indicates falling stage, and 4 indicates low stable stage. Hydrologic condition X, indicates not applicable, and is applied to samples with more than one hydrologic condition represented. Sample type 9 indicates a routine sample, and H indicates a composite sample taken by an automatic sampler. Hydrologic event 9 indicates a routine sample, and J indicates runoff due to a storm event. Sampler type code 3044 represents a DH-81, 3052 represents a DH-95 with a plastic bottle, 3070 represents a grab sampler, 3080 represents a VOC hand sampler, and 4115 represents an automatic point sampler. Sampling method code 10 indicates Equal-Width-Increment, 50 indicates point sample, and 70 indicates grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of Biological Oxygen Demand (BOD-5) during the period of October through September were analyzed by the US Geological Survey, Ocala Water-Quality Laboratory. Biological Oxygen Demand samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratories, Inc.-Denver, and stored under analyzing agency code 80855. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic condi-tion	Sample type	Hydro-logic event	Sampler type, code (84164)	Sam-pling method, code (82398)	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)
OCT													
15...	1145	--	9	9	9	9	3044	10	80020	3.42	199	11	7.2
NOV													
13...	1320	--	9	9	9	9	3080	50	80020	3.50	201	9.0	7.1
DEC													
10-11	1050	1030	9	X	H	J	4115	50	80020	--	--	87	7.1
11...	1100	--	9	5	9	9	3052	10	80020	7.13	1250	140	7.5
JAN													
14...	1140	--	9	9	9	9	3052	10	80020	3.77	250	11	7.0
25-26	0850	1720	9	X	9	J	4115	50	80020	--	--	150	6.8
FEB													
11...	0945	--	9	9	9	9	3052	10	80020	4.34	451	20	7.2
17...	1110	--	9	5	9	9	3052	10	80020	5.68	847	76	6.9
MAR													
09...	1145	--	9	9	9	9	3070	10	80020	3.93	313	10	6.9
30-30	1040	1100	9	9	H	J	3070	10	80020	3.76	307	12	7.2
30...	1044	--	9	9	9	J	3070	10	80020	3.76	307	12	7.2
APR													
13...	1220	--	9	8	9	9	3052	10	80020	4.71	459	28	6.9
MAY													
02-02	0700	2330	9	X	H	J	4115	50	80020	--	--	190	7.1
03...	1025	--	9	5	9	9	3052	10	80020	5.79	774	110	6.9
10...	1150	--	9	9	9	9	3070	70	80020	3.39	181	16	7.2
JUN													
09...	0935	--	9	5	9	9	3052	10	80020	3.62	223	27	7.1
22-23	0345	1030	9	X	H	J	4115	50	80020	--	--	--	--
23...	1105	--	9	5	H	9	3052	10	80020	5.38	649	200	7.1
30...	1130	--	1	5	9	9	3052	10	80020	7.82	1550	130	7.1
JUL													
12...	0910	--	9	9	9	9	3070	10	80020	3.47	215	20	6.7
28...	0750	--	9	8	9	9	3045	10	80020	4.54	443	52	6.9
AUG													
11...	0940	--	9	9	9	9	3070	10	80020	3.25	176	15	6.6
12-13	1620	0130	9	X	H	J	4115	50	80020	--	--	290	6.8
26...	1000	--	9	4	H	9	3044	10	80020	3.36	138	8.2	7.4
SEP													
14...	0800	--	9	9	9	9	3070	70	80020	3.72	241	15	6.8
16-18	1715	2215	9	X	H	J	4115	50	80020	--	--	320	7.7
16-18	1716	2216	9	X	H	J	4115	50	80855	--	--	320	7.7
16-18	1717	2217	1	X	H	J	4115	50	81350	--	--	320	7.7

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Baro-metric pres-sure, mm Hg (00025)	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Dis-solved oxygen, mg/L (00300)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Hard-ness, water, mg/L as CaCO3 (00900)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
15...	173	741	18.6	21.1	.9	--	8.6	11.9	2.76	41	--	.43	<.010
NOV													
13...	161	752	15.3	17.0	--	--	9.2	--	--	--	--	--	--
DEC													
10-11	113	--	--	--	1.8	10	--	8.31	2.18	30	82	.59	.049
11...	80	741	9.8	7.3	1.2	--	--	5.81	1.62	21	--	.74	.046
JAN													
14...	150	746	7.2	20.3	.4	--	--	10.2	2.53	36	--	.27	.048
25-26	88	--	--	--	2.4	10	--	6.00	1.53	21	57	.72	.068
FEB													
11...	109	747	7.3	8.4	.9	--	12.2	6.43	1.79	23	--	.26	.049
17...	84	752	7.4	7.2	1.0	--	11.9	5.55	1.44	20	--	.37	.059
MAR													
09...	121	743	12.6	20.5	1.0	--	10.3	9.52	2.48	34	--	.28	.016
30-30	151	746	18.1	19.4	.6	<10	9.0	10.2	2.55	36	95	.30	.015
30...	151	746	18.1	19.4	--	--	9.0	--	--	--	--	--	--
APR													
13...	139	731	16.4	11.6	.7	--	8.9	10.9	2.71	38	--	.47	.023
MAY													
02-02	107	--	--	--	2.2	20	--	6.42	1.61	23	71	1.2	.014
03...	82	745	18.4	25.0	1.4	10	8.0	5.07	1.23	18	57	.65	.028
10...	192	755	22.2	--	--	--	7.1	--	--	--	--	--	--
JUN													
09...	182	750	22.7	25.8	<.1	--	7.5	12.4	2.64	42	--	.41	.028
22-23	--	--	--	--	2.8	<10	--	10.5	2.29	36	99	.57	.025
23...	110	750	24.9	28.2	1.9	--	7.8	7.78	1.71	26	--	.73	.027
JUL													
12...	151	750	25.9	--	.6	--	6.9	10.5	2.42	36	--	.28	.034
28...	113	747	25.4	26.5	<2.0	--	6.4	7.52	1.81	26	--	.39	.026
AUG													
11...	185	747	22.3	--	<2.0	--	8.1	11.9	3.13	43	--	.31	.045
12-13	116	--	--	--	--	--	--	--	--	--	--	.54	.033
26...	198	750	25.0	26.4	<2.0	<10	7.1	14.0	2.84	47	127	.28	.030
SEP													
14...	121	750	22.0	--	--	--	11.0	--	--	--	--	--	--
16-18	72	--	--	--	--	30	--	3.79	.931	13	40	.97	.015
16-18	72	--	--	--	2.6	--	--	--	--	--	--	--	--
16-18	72	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Organic carbon, water, unfltrd mg/L (00680)	Aldrin, water, unfltrd ug/L (39330)	Chlor-dane, tech-nical, water, unfltrd ug/L (39350)
OCT													
15...	--	1.35d	--	<.006	.020	1.8	--	.9	E.05n	2.8	3.5	<.001	<.1
NOV													
13...	--	--	--	--	--	--	--	--	--	--	--	<.001	<.1
DEC													
10-11	.06	1.09d	.54	<.006	.097	1.7	<.04	.8	E.07n	3.8	5.8	--	--
11...	.06	.692	.70	<.006	.154	1.4	--	1.0	.08	2.4	8.9	<.001	<.1
JAN													
14...	.06	1.45d	.22	<.006	.023	1.7	--	.9	E.07n	3.8	2.4	<.001	<.1
25-26	.09	.866	.65	<.006	.119	1.6	<.04	.9	E.05n	2.4	7.0	--	--
FEB													
11...	.06	1.20d	.21	<.006	.026	1.5	--	.9	E.05n	1.5	2.1	<.001	<.1
17...	.08	.815	.32	E.003n	.047	1.2	--	.8	<.08	2.6	3.3	--	--
MAR													
09...	.02	1.21d	.26	<.006	.029	1.5	--	.7	E.05n	3.1	2.8	<.001	<.1
30-30	.02	1.22d	.29	<.006	.021	1.5	<.04	1.1	.08	4.3	3.3	--	--
APR													
13...	.03	1.18d	.44	<.006	.040	1.6	--	1.0	E.06n	3.1	3.8	<.001	<.1
MAY													
02-02	.02	1.01d	1.2	<.006	.22oc	2.2	<.04	1.2	E.06n	6.3	13.7	--	--
03...	.04	.568	.62	<.006	.124	1.2	<.04	1.0	E.06n	2.1	7.5	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	<.001	<.1
JUN													
09...	.04	1.83d	.38	E.003n	.041	2.2	--	1.3	E.07n	4.9	3.8	<.001	<.1
22-23	.03	1.18d	.55	<.006	.067	1.8	<.04	1.9	E.06n	4.6	6.1	--	--
23...	.03	.875	.71	<.006	.145	1.6	--	1.1	E.07n	2.3	7.5	--	--
JUL													
12...	.04	1.26d	.25	<.006	.026	1.5	--	.6	<.08	2.4	3.0	<.001	<.1
28...	.03	.637	.36	<.006	.026	1.0	--	1.3	.09	2.3	4.9	--	--
AUG													
11...	.06	1.28d	.26	E.004n	.025	1.6	--	6.8	.12	4.3	3.7	<.001	<.1
12-13	.04	.263	.51	E.003n	.086	.80	--	--	--	--	--	--	--
26...	.04	1.51d	.26	E.004n	.023	1.8	<.04	1.1	E.05n	3.2	3.4	--	--
SEP													
14...	--	--	--	--	--	--	--	--	--	--	--	<.001	<.1
16-18	.02	.368	.96	<.006	.18oc	1.3	<.04	1.5	.14	2.1	12.1	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Dieldrin, water, unfltrd ug/L (39380)	alpha-Endosulfan, water, unfltrd ug/L (39388)	Endrin, water, unfltrd ug/L (39390)	Heptachlor, water, unfltrd ug/L (39410)	Heptachlor epoxide water unfltrd ug/L (39420)	Lindane water, unfltrd ug/L (39340)	p,p'-Methoxychlor, water, unfltrd ug/L (39480)	Mirex, water, unfltrd ug/L (39755)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	PCBs, water, unfltrd ug/L (39516)	Sample volume, Schedule 1398, mL (99864)
OCT													
15...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	895
NOV													
13...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	918
DEC													
10-11	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	861
JAN													
14...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	1192
25-26	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	875
MAR													
09...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	842
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	921
MAY													
02-02	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	903
JUN													
09...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	928
22-23	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
12...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	903
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	883
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
14...	<.002	<.002	<.002	<.001	<.001	<.0020	<.003	<.001	<.002	<.002	<.002	<.1	876
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Toxaphene, water, unfltrd ug/L (39400)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Diphenylhydrazine, water, unfltrd ug/L (82626)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,4,6-Trichlorophenol, water, unfltrd ug/L (34621)	2,4-Dichlorophenol, water, unfltrd ug/L (34601)	2,4-Dimethylphenol, water, unfltrd ug/L (34606)	2,4-Dinitrophenol, water, unfltrd ug/L (34616)	2,4-Dinitrotoluene water unfltrd ug/L (34611)	2,6-Dinitrotoluene water unfltrd ug/L (34626)	2-Chloronaphthalene, water, unfltrd ug/L (34581)
OCT													
15...	<1	<.2	<.1	<1	<.1	<.1	Mt	<2	<2.0	<3	<3	<2	<2
NOV													
13...	<1	<.2	<.1	<2	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1
DEC													
10-11	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<1	<.2	<.1	<2	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1
JAN													
14...	<1	<.2	<.1	<2	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1
25-26	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<1	<.2	<.1	<2	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1
MAR													
09...	<1	<.2	<.1	<2	<.1	<.1	<1	Mt	<2.0	<3	<1	<2	<1
MAR													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	<1	<.2	<.1	<2	<.1	<.1	Mt	Mt	<2.0	<3	<1	<2	<1
MAY													
02-02	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<1	<.2	<.1	<2	<.1	<.1	Mt	<2	<2.0	<3	<1	<2	<1
JUN													
09...	<1	<.2	<.1	<2	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1
22-23	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
12...	<1	<.2	<.1	<2	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	<1	<.2	<.1	<2	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
14...	<1	<.2	<.1	<2	<.1	<.1	<1	<2	<2.0	<3	<1	<2	<1
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	2-chloro-phenol, water, unfltrd ug/L (34586)	2-nitro-phenol, water unfltrd ug/L (34591)	3,3'-Dichloro-benzidine, water, unfltrd ug/L (34631)	2-Methyl-4,6-di-nitro-phenol, wat unf ug/L (34657)	4-Bromo-phenyl phenyl ether, wat unf ug/L (34636)	4-Chloro-3-methyl-phenol, wat unf ug/L (34452)	4-Chloro-phenyl phenyl ether, wat unf ug/L (34641)	4-Nitro-phenol, water, unfltrd ug/L (34646)	Acenaphthene, water, unfltrd ug/L (34205)	Acenaphthylene, water, unfltrd ug/L (34200)	Anthracene, water, unfltrd ug/L (34220)	Benzo-[a]-anthracene, water, unfltrd ug/L (34526)	Benzidine, water, unfltrd ug/L (39120)
OCT													
15...	<2	<1	<.9mc	<2mc	<2	<3	<2	<4mc	<2	<2	<2	<2	<1000mc
NOV													
13...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc
DEC													
10-11	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<1	<1	<.9c	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc
JAN													
14...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc
25-26	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
09...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc
MAY													
02-02	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc
JUN													
09...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc
22-23	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
12...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	<1000mc
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	--u
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
14...	<1	<1	<.9mc	<2mc	<2	<2	<1	<2mc	<2	<2	<2	<2	--u
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Benzo-[a]-pyrene, water, unfltrd ug/L (34247)	Benzo-[k]-fluor-anthene water unfltrd ug/L (34242)	Benzo-[g,h,i]-per-ylene, water, unfltrd ug/L (34521)	Benzo-[b]-fluor-anthene water unfltrd ug/L (34230)	Bis(2-chloro-ethoxy) methane water unfltrd ug/L (34278)	Bis(2-chloro-iso-propyl) ether, wat unf ug/L (34283)	Bis(2-chloro-ethyl) ether, water, unfltrd ug/L (34273)	Bis(2-ethyl-hexyl) phthal-ate, wat unf ug/L (39100)	Benzyl n-butyl phthal-ate, water, unfltrd ug/L (34292)	Chrys-ene, water, unfltrd ug/L (34320)	Di-n-butyl phthal-ate, water, unfltrd ug/L (39110)	Di-n-octyl phthal-ate, water, unfltrd ug/L (34596)	Di-benzo-[a,h]-anthra-cene, wat unf ug/L (34556)
OCT													
15...	<1	<1	<2	<2	<3	<2	<2	<2	<2	<3	<2	<2	<1
NOV													
13...	<1	<1	<2	<2	<1	<1	<1	<2	<2	<1	<2	<2	<2
DEC													
10-11	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<1	<1	<2	<2	<1	<1	<1	Mt	<2	<1	Mt	<2	<2
JAN													
14...	<1	<1	<2	<2	<1	<1	<1	<2	<2	<1	<2	<2	<2
25-26	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<1	<1	<2	<2	<1	<1	<1	<2	<2	<1	E2n	<2	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
09...	Mt	Mt	<2	Mt	<1	<1	<1	E1n	<2	Mt	<2	<2	<2
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	<1	<1	<2	<2	<1	<1	<1	<2	<2	<1	<2	<2	<2
MAY													
02-02	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<1	<1	<2	<2	<1	<1	<1	<2	<2	<1	<2	<2	<2
JUN													
09...	<1	<1	<2	<2	<1	<1	<1	<2	<2	<1	<2	<2	<2
22-23	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
12...	<1	<1	<2	<2	<1	<1	<1	<2	<2	<1	<2	<2	<2
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	<1	<1	<2	<2	<1	<1	<1	<2	<2	<1	<2	<2	<2
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
14...	<1	<1	<2	<2	<1	<1	<1	<2	<2	<1	<2	<2	<2
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Di-ethyl phthal-ate, water, unfltrd ug/L (34336)	Di-methyl phthal-ate, water, unfltrd ug/L (34341)	Fluor-anthene water unfltrd ug/L (34376)	9H-Fluor-ene, water, unfltrd ug/L (34381)	Hexa-chloro-benzene water unfltrd ug/L (39700)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-cyclo-penta-diene, wat unf ug/L (34386)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Indeno-[1,2,-3-cd]-pyrene, water, unfltrd ug/L (34403)	Iso-phorone water unfltrd ug/L (34408)	N-NItroso-di-n-propyl-amine, wat unf ug/L (34428)	N-NItroso-di-methyl-amine, wat unf ug/L (34438)	Naphth-alene, water, unfltrd ug/L (34696)
OCT													
15...	<2	<1	Mt	<2	<2	<.2	<1mc	<2mc	<3	<2	<2	<3	<.5
NOV													
13...	<2	<1	<1	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
DEC													
10-11	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<2	<1	Mt	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
JAN													
14...	<2	<1	<1	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
25-26	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<1	<1	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
09...	<2	Mt	Mt	<1	<1	<.2	<1mc	<2mc	<2	Mt	<2	<2	<.5
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	<2	<1	Mt	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
MAY													
02-02	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<2	<1	Mt	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
JUN													
09...	<2	<1	<1	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
22-23	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
12...	<2	<1	<1	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	<2	<1	<1	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
14...	<2	<1	<1	<1	<1	<.2	<1mc	<2mc	<2	<2	<2	<2	<.5
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Nitro-benzene water unfltrd ug/L (34447)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Phenan-threne, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)	Pyrene, water, unfltrd ug/L (34469)	Sample volume, Sched-ule 1383, mL (99855)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)
OCT													
15...	<1	<2mc	Mt	E.2t	Mt	877	<.2	<.1	<.2	<.2	<.1	<.1	<.2
NOV													
13...	<1	<2mc	<1	<1.6	<2	869	<.2	<.1	<.2	<.2	<.1	<.1	<.2
DEC													
10-11	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<1	<2mc	<1mc	<1.6	Mt	857	<.2	<.1	<.2	<.2	<.1	<.1	<.2
JAN													
14...	<1	<2mc	<1	<1.6	<2	890	<.2	<.1	<.2	<.2	<.1	<.1	<.2
25-26	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<1	<2mc	<1	<1.6	<2	888	<.2	<.1	<.2	<.2	<.1	<.1	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
09...	<1	<2mc	Mt	E.2t	Mt	810	<.2	<.1	<.2	<.2	<.1	<.1	<.2
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	<1	<2mc	<1	E.9n	Mt	896	<.2	<.1	<.2	<.2	<.1	<.1	<.2
MAY													
02-02	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<1	<2mc	<1	<1.6	Mt	888	<.2	<.1	<.2	<.2	<.1	<.1	<.2
JUN													
09...	<1	<2mc	<1	<1.6	<2	873	<.2	<.1	<.2	<.2	<.1	<.1	<.2
22-23	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
12...	<1	<2mc	<1	<1.6	<2	870	<.2	<.1	<.2	<.2	<.1	<.1	<.2
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	<1	<2mc	<1	<1.6	<2	890	<.2	<.1	<.2	<.2	<.1	<.1	<.2
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
14...	<1	<2mc	<1	<1.6	<2	844	<.2	<.1	<.2	<.2	<.1	<.1	<.2
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichloropropane water unfltrd ug/L (77173)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)
OCT													
15...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
NOV													
13...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
DEC													
10-11	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
JAN													
14...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
25-26	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
09...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
MAR													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
MAY													
02-02	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
JUN													
09...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
22-23	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
12...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
14...	<.2	<.2	<.2	<.5	<.2	<.2	<.1	<.2	<.2	<.2	<.2	<.2	<.2
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Tri-bromo-methane water unfltrd ug/L (32104)	Bromo-methane water unfltrd ug/L (34413)	n-Butyl benzene water unfltrd ug/L (77342)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Tri-chloro-methane water unfltrd ug/L (32106)	Chloro-methane water unfltrd ug/L (34418)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)
OCT													
15...	<2.5	<.1	<.2	<.2	.3	<.2	<.3	<.2	<.1	<.2	.7	<.2mc	<.2
NOV													
13...	<2.5	<.1	<.2	<.2	.2	<.2	<.3	<.2	<.1	<.2	.5	<.2mc	<.2
DEC													
10-11	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<2.5	<.1	<.2	<.2	<.1	<.2	<.3	<.2	<.1	<.2	.2	<.2mc	<.2
JAN													
14...	<2.5	<.1	<.2	<.2	.2	<.2	<.3	<.2	<.1	<.2	.5	<.2mc	<.2
25-26	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2.5	<.1	<.2	<.2	<.1	<.2	<.3	<.2	<.1	<.2	<.1	<.2mc	<.2
MAR													
09...	<2.5	<.1	<.2	<.2	<.1	<.2	<.3	<.2	<.1	<.2	.2	<.2mc	<.2
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	<2.5	<.1	<.2	<.2	<.1	<.2	<.3	<.2	<.1	<.2	.4	<.2mc	<.2
13													
MAY													
02-02	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<2.5	<.1	<.2	<.2	.4	<.2	<.3	<.2	<.1	<.2	.9	<.2mc	<.2
JUN													
09...	<2.5	<.1	<.2	<.2	<.1	<.2	<.3	<.2	<.1	<.2	.1	<.2mc	<.2
22-23	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
12...	<2.5	<.1	<.2	<.2	.1	<.2	<.3	<.2	<.1	<.2	.3	<.2mc	<.2
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	<2.5	<.1	<.2	<.2	.2	<.2	<.3	<.2	<.1	<.2	.5	<.2mc	<.2
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
14...	<2.5	<.1	<.2	<.2	.2	<.2	<.3	<.2	<.1	<.2	.4	<.2mc	<.2
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Ethyl-benzene water unfltrd ug/L (34371)	Iso-propyl-benzene water unfltrd ug/L (77223)	n-propyl-benzene water unfltrd ug/L (77224)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)
OCT													
15...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
NOV													
13...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
DEC													
10-11	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
JAN													
14...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
25-26	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
09...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
MAR													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
MAY													
02-02	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
JUN													
09...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
22-23	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
12...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
14...	<.2	<.2	<.2mc	<.2	<.1	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Xylenes water unfltrd ug/L (81551)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT												
15...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	E1.2	<.1	9	4.8	74
NOV												
13...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	--	--	--	--	--
DEC												
10-11	--	--	--	--	--	--	--	--	--	89	--	58
11...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	3.0d	E.2d	140	474	53
JAN												
14...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	E.6d	<.1d	4	2.8	88
25-26	--	--	--	--	--	--	--	--	--	139	--	66
FEB												
11...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	E1.6	E.3	14	17	65
17...	--	--	--	--	--	--	--	--	--	19	43	84
MAR												
09...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	1.0d	<.1d	8	6.4	78
30-30	--	--	--	--	--	--	--	.9d	<.1d	9	7.3	64
30...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
13...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	2.4	E.3	36	45	48
MAY												
02-02	--	--	--	--	--	--	--	--	--	222	--	71
03...	--	--	--	--	--	--	--	3.3d	E.4d	99	207	78
10...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	--	--	--	--	--
JUN												
09...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	.9d	E.3d	22	13	78
22-23	--	--	--	--	--	--	--	--	--	76	--	70
23...	--	--	--	--	--	--	--	2.2d	<.1d	159	279	86
30...	--	--	--	--	--	--	--	--	--	52	218	73
JUL												
12...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	1.7d	E.2d	18	10	89
28...	--	--	--	--	--	--	--	5.0d	E.7d	76	91	66
AUG												
11...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	--	--	--	--	--
12-13	--	--	--	--	--	--	--	--	--	196	--	94
26...	--	--	--	--	--	--	--	--	--	9	3.4	90
SEP												
14...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes used in this table:
  < -- Less than
  E -- Estimated value
  M -- Presence verified, not quantified
Value qualifier codes used in this table:
  c -- See laboratory comment
  d -- Diluted sample: method hi range exceeded
  m -- Value is highly variable by this method
  n -- Below the LRL and above the LT-MDL
  o -- Result determined by alternate method
  t -- Below the long-term MDL
Null value qualifier codes used in this table:
  u -- Unable to determine-matrix interference

ALTAMAHA RIVER BASIN
2004 Water Year

02207337 TRIBUTARY TO YELLOW RIVER AT CR 411, NEAR CONYERS, GA

LOCATION.—Lat 33°38'49", long 83°57'19", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, approximately 3.0 miles east of the intersection of Interstate 20 an GA 20.

DRAINAGE AREA.—1.71 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.— Invertebrates: June 6, 2003 and August 3, 2004. Fishes: June 12, 2003 and September 21, 2004.

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 211 meters. Abbreviations: sp.-species, mm- millimeters, g-grams.

Invertebrates

	Abundance Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Veneroida		
Corbiculidae		
Corbicula fluminea		1
Gastropoda		
Mesogastropoda		
Viviparidae		
Campeloma decisum		1
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Procambarus sp.	2	
Insecta		
Ephemeroptera		
Baetidae		
Baetis sp.	1	
Procloeon sp.	1	
Ephemerellidae		
Serratella sp.	1	
Heptageniidae		
Stenonema modestum	4	
Tricorythidae		
Tricorythodes sp.	1	
Odonata		
Aeshnidae		
Boyeria vinosa	1	
Cordulegastridae		
Cordulegaster sp.	1	
Gomphidae		
Gomphus sp.	2	
Progomphus obscurus	1	

02207337 TRIBUTARY TO YELLOW RIVER AT CR 411, NEAR CONYERS, GA —continued.

	Abundance	
	Multi-habitat	Visual
Plecoptera		
Perlidae		
Acroneuria abnormis	10	
Hemiptera		
Gerridae		
Aquarius sp.		1
Veliidae		
Rhagovelia obesa		1
Megaloptera		
Corydalidae		
Corydalus cornutus	1	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	6	
Hydropsyche sp.		1
Hydropsyche betteni gp.	2	
Lepidostomatidae		
Lepidostoma sp.	1	
Limnephilidae		
Pycnopsyche sp.	1	
Rhyacophilidae		
Rhyacophila fuscula	1	
Coleoptera		
Elmidae		
Macronychus glabratus	3	
Stenelmis sp.	1	
Psephenidae		
Ectopria sp.	1	
Ptilodactylidae		
Anchytarsus bicolor	3	
Diptera		
Chironomidae		
Ablabesmyia mallochi	5	
Conchapelopia sp.	1	
Parametriocnemus sp.	1	
Paratendipes sp.	1	
Polypedilum flavum	2	
Rheocricotopus robacki	2	
Rheotanytarsus sp.	1	

Fishes

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Esox niger	chain pickerel	1	205	46.0
Lepomis auritus	redbreast sunfish	1	25	0.1
Lepomis auritus	redbreast sunfish	1	159	58.0
Lepomis auritus	redbreast sunfish	1	155	86.0
Lepomis auritus	redbreast sunfish	1	145	46.0
Lepomis auritus	redbreast sunfish	1	110	20.0
Lepomis auritus	redbreast sunfish	1	97	12.0
Lepomis auritus	redbreast sunfish	1	60	4.0
Lepomis auritus	redbreast sunfish	1	75	8.0
Lepomis auritus	redbreast sunfish	1	74	8.0
Lepomis auritus	redbreast sunfish	1	75	10.0
Lepomis auritus	redbreast sunfish	1	72	6.0
Lepomis gulosus	warmouth	1	93	12.0
Lepomis macrochirus	bluegill	1	55	2.4
Lepomis macrochirus	bluegill	1	40	0.9
Lepomis macrochirus	bluegill	1	44	1.2
Lepomis macrochirus	bluegill	1	57	2.4
Lepomis macrochirus	bluegill	1	98	12.0
Lepomis macrochirus	bluegill	1	50	1.8
Lepomis macrochirus	bluegill	1	50	1.7
Lepomis microlophus	redear sunfish	1	50	1.5
Micropterus salmoides	largemouth bass	1	80	6.0
Micropterus salmoides	largemouth bass	1	90	8.0
Micropterus salmoides	largemouth bass	1	90	10.0
Micropterus salmoides	largemouth bass	1	74	6.0

02207337 TRIBUTARY TO YELLOW RIVER AT CR 411, NEAR CONYERS, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Moxostoma sp. cf. anisurum	"greyfin redhorse"	1	53	1.5
Nocomis leptocephalus	bluehead chub	1	50	1.3
Nocomis leptocephalus	bluehead chub	1	70	3.8
Nocomis leptocephalus	bluehead chub	1	50	1.3
Nocomis leptocephalus	bluehead chub	1	60	1.9
Nocomis leptocephalus	bluehead chub	1	44	0.7
Nocomis leptocephalus	bluehead chub	1	45	0.8
Nocomis leptocephalus	bluehead chub	1	55	1.6
Nocomis leptocephalus	bluehead chub	1	52	1.5
Nocomis leptocephalus	bluehead chub	1	64	3.4
Nocomis leptocephalus	bluehead chub	1	85	5.9
Nocomis leptocephalus	bluehead chub	1	88	7.1
Nocomis leptocephalus	bluehead chub	1	84	6.9
Nocomis leptocephalus	bluehead chub	1	92	8.4
Nocomis leptocephalus	bluehead chub	1	66	3.3
Nocomis leptocephalus	bluehead chub	1	91	8.7
Nocomis leptocephalus	bluehead chub	1	85	6.4
Nocomis leptocephalus	bluehead chub	1	64	2.6
Nocomis leptocephalus	bluehead chub	1	65	2.9
Nocomis leptocephalus	bluehead chub	1	67	3.2
Nocomis leptocephalus	bluehead chub	1	88	7.6
Nocomis leptocephalus	bluehead chub	1	43	0.8
Nocomis leptocephalus	bluehead chub	1	125	20.0
Nocomis leptocephalus	bluehead chub	1	145	34.0
Nocomis leptocephalus	bluehead chub	1	135	40.0
Nocomis leptocephalus	bluehead chub	1	140	30.0
Nocomis leptocephalus	bluehead chub	1	90	10.0
Nocomis leptocephalus	bluehead chub	1	115	16.0
Nocomis leptocephalus	bluehead chub	1	120	20.0
Nocomis leptocephalus	bluehead chub	1	110	18.0
Nocomis leptocephalus	bluehead chub	1	90	8.0
Nocomis leptocephalus	bluehead chub	1	122	20.0
Nocomis leptocephalus	bluehead chub	1	73	6.0
Nocomis leptocephalus	bluehead chub	1	88	10.0
Nocomis leptocephalus	bluehead chub	1	93	10.0
Nocomis leptocephalus	bluehead chub	1	92	10.0
Notropis lutipinnis	yellowfin shiner	1	55	1.5
Notropis lutipinnis	yellowfin shiner	1	57	1.8
Notropis lutipinnis	yellowfin shiner	1	60	1.9
Notropis lutipinnis	yellowfin shiner	1	60	2.4
Notropis lutipinnis	yellowfin shiner	1	65	2.5
Notropis lutipinnis	yellowfin shiner	1	58	1.5
Notropis lutipinnis	yellowfin shiner	1	59	1.9
Notropis lutipinnis	yellowfin shiner	1	60	2.3
Notropis lutipinnis	yellowfin shiner	1	53	3.8
Notropis lutipinnis	yellowfin shiner	1	40	0.5
Notropis lutipinnis	yellowfin shiner	5	batch	9.2
Notropis lutipinnis	yellowfin shiner	1	60	2.0
Notropis lutipinnis	yellowfin shiner	1	67	3.0
Notropis lutipinnis	yellowfin shiner	1	62	2.2
Notropis lutipinnis	yellowfin shiner	1	75	3.7
Notropis lutipinnis	yellowfin shiner	1	55	1.4
Notropis lutipinnis	yellowfin shiner	1	58	1.8
Notropis lutipinnis	yellowfin shiner	1	63	2.4
Notropis lutipinnis	yellowfin shiner	1	53	1.2
Notropis lutipinnis	yellowfin shiner	1	63	2.5
Notropis lutipinnis	yellowfin shiner	1	70	3.0
Notropis lutipinnis	yellowfin shiner	1	40	0.7
Notropis lutipinnis	yellowfin shiner	1	60	1.9
Notropis lutipinnis	yellowfin shiner	1	54	1.3
Notropis lutipinnis	yellowfin shiner	1	45	0.7
Notropis lutipinnis	yellowfin shiner	1	38	0.4
Notropis lutipinnis	yellowfin shiner	1	65	0.6
Notropis lutipinnis	yellowfin shiner	1	60	1.7
Notropis lutipinnis	yellowfin shiner	1	60	2.0
Notropis lutipinnis	yellowfin shiner	1	60	2.4
Notropis lutipinnis	yellowfin shiner	1	62	2.1
Notropis lutipinnis	yellowfin shiner	1	58	1.5
Noturus insignus	margined madtom	1	92	10.0
Scartomyzon rupiscartes	striped jumprock	1	173	52.0
Scartomyzon rupiscartes	striped jumprock	1	150	34.0

ALTAMAHA RIVER BASIN
2004 Water Year

02207382 BIG HAYNES CREEK AT PATE ROAD, NEAR SNELLVILLE, GA

LOCATION.—Lat 33°49'38", long 83°59'04", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Pate Road, 2.9 miles southeast of Snellville.

DRAINAGE AREA.—14.9 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-STAGE RECORDS

PERIOD OF RECORD.—1994 to current year.

REVISED RECORDS.—WDR GA-04-1: Gage datum.

GAGE.—Crest-stage partial-record gage. Datum of gage is 860.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.00 feet, July 1, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.71 feet, September 16

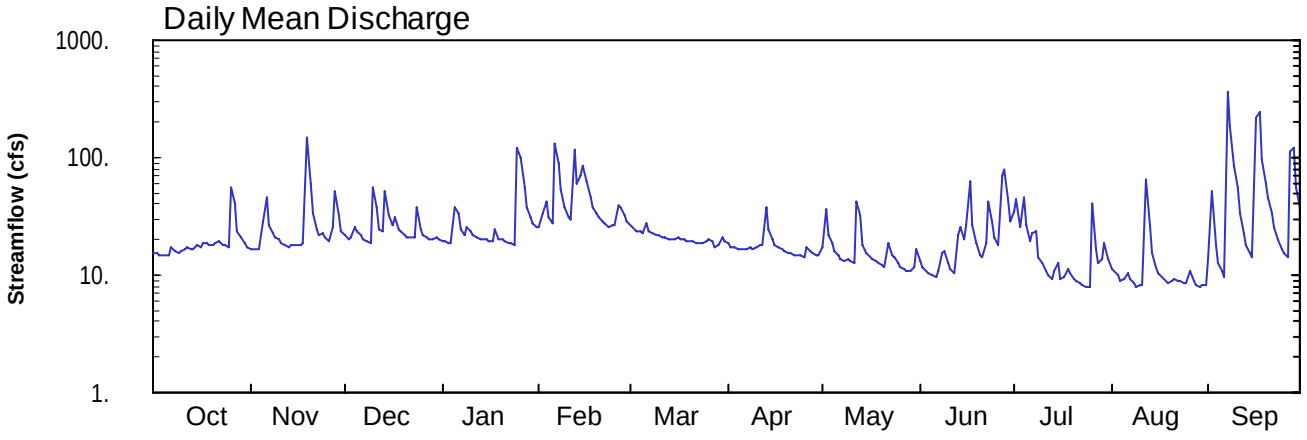
2004 Water Year

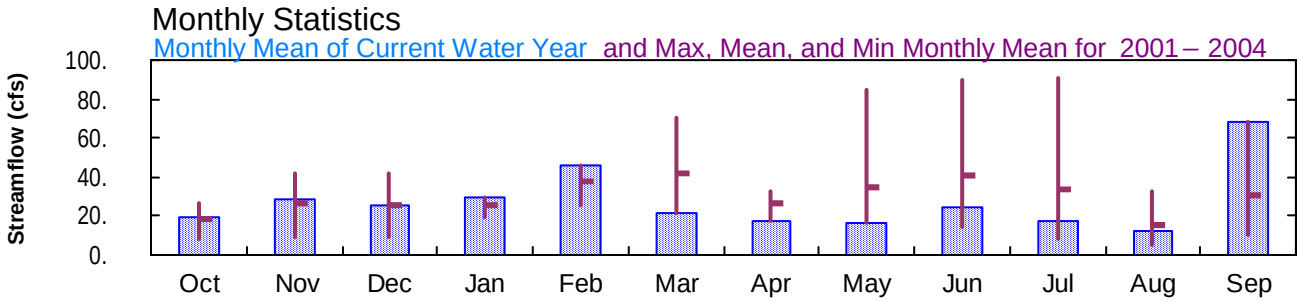
ALTAMAHA RIVER BASIN

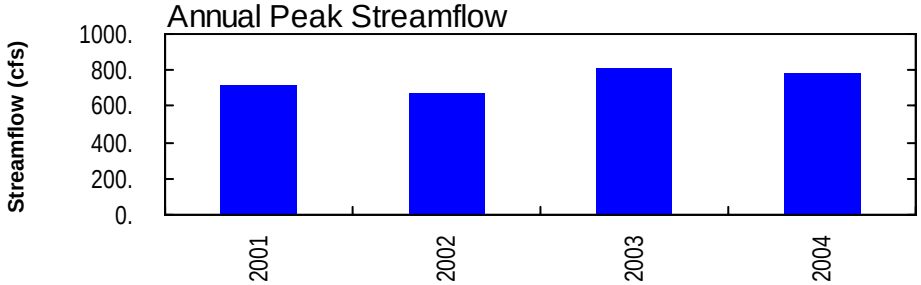
02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA

Latitude: 33°48'54" Longitude: 083°59'25" Hydrologic Unit Code: 03070103

Gwinnett County Datum: 860.00 feet Drainage Area: 17.3 mi^2







ALTAMAHA RIVER BASIN
2004 Water Year

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA

LOCATION.—Lat 33º48'54", long 83º59'25", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 30.0 feet upstream of bridge on County Road 368, and 5.5 miles southeast of Snellville.

DRAINAGE AREA.—17.3 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 7, 2001 to current year.

REVISION.—WDR GA-04-01: daily streamflow for 2001 and 2002 water years.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 860 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—February 7, 2001 to current year.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 860 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.58 feet, September 16; minimum gage-height recorded, 2.82 feet, July 24, August 31, September 1.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 7, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3* DATUM 860.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	17	22	19	25	26	19	e17	13	34	11	13
2	15	17	21	19	34	24	18	e36	12	44	11	51
3	15	16	21	19	42	24	17	e22	11	25	10	18
4	15	16	26	19	31	23	17	18	10	46	8.8	13
5	15	e29	23	38	28	23	16	16	10	27	9.2	11
6	15	e45	22	33	130	27	16	15	9.7	20	10	9.4
7	17	e27	20	25	89	24	17	14	11	22	9.2	368
8	16	e23	19	22	53	23	17	13	16	23	8.4	186
9	16	e21	19	26	37	22	17	14	16	14	8.0	86
10	16	e20	55	23	31	22	17	13	13	12	8.1	56
11	17	18	38	22	29	21	18	13	11	11	8.3	34
12	17	18	25	21	118	21	18	42	10	10	66	23
13	17	e17	24	20	61	20	38	32	22	9.4	26	18
14	17	e18	52	20	70	20	24	18	25	11	15	16
15	18	18	32	20	87	20	20	15	20	12	12	14
16	17	18	26	19	63	21	18	14	27	9.3	11	220
17	18	18	30	19	45	20	17	13	63	9.6	9.7	243
18	19	18	25	24	38	20	16	13	26	11	9.2	97
19	18	148	23	21	33	19	16	13	18	10	8.7	60
20	18	61	22	20	31	19	15	12	15	9.3	8.8	46
21	19	34	21	19	29	19	15	12	14	8.8	9.2	34
22	19	24	21	19	27	19	15	19	19	8.5	8.9	26
23	18	22	21	18	25	e19	15	e15	42	8.2	8.9	20
24	18	23	37	18	27	e19	15	e14	28	7.9	8.7	17
25	17	21	24	123	27	19	e14	13	21	8.0	8.6	15
26	57	19	22	102	39	20	e17	12	18	40	11	14
27	41	26	21	56	37	20	16	11	70	17	9.0	113
28	24	51	20	37	32	18	15	11	78	13	8.2	122
29	e21	33	20	31	28	18	15	11	45	14	7.9	56
30	e19	24	21	27	---	21	15	12	29	19	8.2	38
31	18	---	20	26	---	19	---	16	---	14	8.2	---
TOTAL	603	860	793	925	1346	650	523	509	722.7	528.0	365.2	2037.4
MEAN	19.5	28.7	25.6	29.8	46.4	21.0	17.4	16.4	24.1	17.0	11.8	67.9
MAX	57	148	55	123	130	27	38	42	78	46	66	368
MIN	15	16	19	18	25	18	14	11	9.7	7.9	7.9	9.4
CFSM	1.12	1.66	1.48	1.72	2.68	1.21	1.01	0.95	1.39	0.98	0.68	3.93
IN.	1.30	1.85	1.71	1.99	2.89	1.40	1.12	1.09	1.55	1.14	0.79	4.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	18.0	26.8	25.5	25.2	37.6	42.1	26.2	35.1	41.3	33.2	15.2	30.7
MAX	26.7	42.1	42.0	29.8	46.4	70.7	32.3	84.7	90.1	90.6	33.0	67.9
(WY)	2003	2003	2003	2004	2004	2003	2002	2003	2003	2003	2003	2004
MIN	7.86	9.58	8.98	19.2	25.4	21.0	17.4	16.4	14.0	7.74	5.57	10.3
(WY)	2002	2002	2002	2002	2002	2004	2004	2004	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	17167		9862.3			
ANNUAL MEAN	47.0		26.9		31.3	
HIGHEST ANNUAL MEAN					50.1	2003
LOWEST ANNUAL MEAN					16.9	2002
HIGHEST DAILY MEAN	503	Mar 20	368	Sep 7	503	Mar 20 2003
LOWEST DAILY MEAN	14	Sep 17	7.9	Jul 24 a	2.9	Aug 9 2002
ANNUAL SEVEN-DAY MINIMUM	15	Sep 15	8.7	Jul 19	3.0	Aug 7 2002
MAXIMUM PEAK FLOW			783	Sep 16	811	Mar 20 2003
MAXIMUM PEAK STAGE			10.58	Sep 16	11.65	Mar 20 2003
ANNUAL RUNOFF (CFSM)	2.72		1.56		1.81	
ANNUAL RUNOFF (INCHES)	36.91		21.21		24.61	
10 PERCENT EXCEEDS	83		45		57	
50 PERCENT EXCEEDS	29		19		21	
90 PERCENT EXCEEDS	18		10		7.9	

e Estimated
a Also Aug 29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3* DATUM 860.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.07	3.09	3.19	3.14	3.25	3.26	3.14	---	3.00	3.35	2.96	3.00
2	3.06	3.09	3.17	3.14	3.32	3.24	3.10	---	2.97	3.45	2.94	3.46
3	3.05	3.08	3.17	3.13	3.43	3.22	3.10	---	2.95	3.25	2.92	3.11
4	3.05	3.08	3.25	3.13	3.32	3.22	3.09	3.12	2.93	3.37	2.88	2.99
5	3.04	---	3.22	3.33	3.28	3.21	3.09	3.08	2.92	3.26	2.89	2.94
6	3.04	---	3.19	3.34	3.86	3.27	3.09	3.05	2.91	3.15	2.93	2.90
7	3.10	---	3.16	3.24	3.77	3.23	3.09	3.02	2.93	3.19	2.89	5.09
8	3.08	---	3.15	3.20	3.53	3.21	3.09	3.00	3.07	3.20	2.87	4.22
9	3.07	---	3.13	3.25	3.39	3.20	3.09	3.02	3.07	3.04	2.85	3.75
10	3.08	---	3.49	3.22	3.33	3.19	3.10	3.01	3.00	2.99	2.85	3.55
11	3.09	3.12	3.40	3.19	3.30	3.18	3.12	3.00	2.95	2.95	2.86	3.34
12	3.10	3.11	3.24	3.17	3.88	3.18	3.12	3.22	2.93	2.92	3.47	3.19
13	3.09	---	3.22	3.16	3.59	3.17	3.39	3.31	3.08	2.90	3.24	3.10
14	3.09	---	3.51	3.16	3.65	3.16	3.23	3.12	3.22	2.93	3.06	3.04
15	3.12	3.11	3.33	3.15	3.74	3.16	3.15	3.06	3.16	2.98	2.97	3.01
16	3.10	3.11	3.26	3.14	3.60	3.17	3.12	3.03	3.23	2.89	2.94	4.91
17	3.13	3.11	3.31	3.14	3.46	3.16	3.10	3.02	3.58	2.91	2.91	4.50
18	3.13	3.12	3.24	3.23	3.40	3.16	3.08	3.01	3.26	2.95	2.89	3.81
19	3.12	4.03	3.22	3.17	3.35	3.15	3.08	3.00	3.13	2.93	2.87	3.58
20	3.11	3.58	3.19	3.16	3.32	3.14	3.06	2.99	3.06	2.90	2.88	3.46
21	3.14	3.34	3.18	3.14	3.30	3.14	3.06	2.97	3.04	2.88	2.89	3.34
22	3.14	3.23	3.17	3.13	3.27	3.13	3.06	3.10	3.10	2.87	2.88	3.24
23	3.11	3.19	3.18	3.12	3.25	---	3.05	---	3.38	2.86	2.88	3.13
24	3.11	3.21	3.38	3.12	3.27	---	3.04	---	3.28	2.84	2.87	3.07
25	3.10	3.17	3.23	3.84	3.27	3.15	---	3.00	3.17	2.85	2.87	3.04
26	3.43	3.14	3.20	3.83	3.40	3.16	---	2.97	3.12	3.36	2.94	3.01
27	3.41	3.22	3.17	3.55	3.39	3.15	3.08	2.96	3.41	3.09	2.88	3.63
28	3.23	3.51	3.16	3.39	3.34	3.11	3.06	2.95	3.69	3.00	2.86	3.92
29	---	3.33	3.15	3.32	3.29	3.11	3.05	2.95	3.45	2.99	2.84	3.55
30	---	3.23	3.18	3.27	---	3.17	3.05	2.97	3.29	3.13	2.85	3.39
31	3.11	---	3.16	3.25	---	3.14	---	3.07	---	3.02	2.85	---
MEAN	---	---	3.23	3.25	3.43	---	---	---	3.14	3.05	2.93	3.48
MAX	---	---	3.51	3.84	3.88	---	---	---	3.69	3.45	3.47	5.09
MIN	---	---	3.13	3.12	3.25	---	---	---	2.91	2.84	2.84	2.90

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3* DATUM 860.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.14	0.00	1.27
2	0.00	0.00	0.00	0.00	0.57	0.00	0.00	---	0.00	0.08	0.00	0.29
3	0.00	0.00	0.03	0.00	0.04	0.00	0.00	---	0.00	0.00	0.00	0.00
4	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00
5	0.00	---	0.02	0.84	0.01	0.00	0.00	0.00	0.00	0.00	0.41	0.00
6	0.06	---	0.00	0.00	1.12	0.24	0.00	0.00	0.00	0.01	0.01	0.21
7	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	4.29
8	0.05	0.00	0.00	0.04	0.00	0.00	0.13	0.00	0.10	0.00	0.00	0.04
9	0.14	0.00	0.00	0.26	0.00	0.01	0.00	0.21	0.24	0.80	0.00	0.00
10	0.05	0.00	0.91	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.02	0.00	0.00	0.00	0.19	0.00	0.08	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.01	0.00	1.01	0.00	0.26	1.50	0.14	0.00	1.65	0.00
13	0.00	0.00	0.46	0.00	0.00	0.00	0.47	0.01	---	0.00	0.00	0.00
14	0.01	0.00	0.27	0.00	0.53	0.00	0.00	0.00	---	0.43	0.00	0.00
15	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.30	0.01	0.00	0.00
16	0.00	0.00	0.10	0.00	0.00	0.11	0.00	0.00	1.23	0.00	0.00	3.60
17	0.20	0.11	0.19	0.23	0.00	0.00	0.00	0.00	0.04	0.09	0.00	0.19
18	0.00	0.48	0.00	0.17	0.00	0.00	0.00	0.05	0.00	0.01	0.00	0.00
19	0.00	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.07	0.00
21	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.19	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	---	0.00	0.34	0.82	0.00	0.00	0.00
23	0.00	0.00	0.51	0.00	0.00	---	0.00	0.00	0.86	0.00	0.00	0.00
24	0.00	0.23	0.01	0.00	0.17	0.00	0.00	0.00	0.02	0.00	0.41	0.00
25	0.00	0.00	0.00	2.15	0.21	0.00	0.00	0.00	0.18	1.23	0.06	0.00
26	1.54	0.00	0.00	0.01	0.18	0.00	0.27	0.00	0.00	0.20	0.00	0.00
27	0.00	0.63	0.00	0.08	0.47	0.00	0.00	0.00	1.06	0.21	0.00	2.55
28	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.02
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.13	0.00	0.20	0.00	0.00
30	0.00	0.00	0.09	0.00	---	0.39	0.03	0.00	0.09	0.00	0.27	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.45	---	0.00	0.00	---
TOTAL	2.10	---	3.15	3.79	4.95	---	1.24	---	---	4.05	2.89	12.46

ALTAMAHA RIVER BASIN
2004 Water Year

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA

LOCATION.—Lat 33º48'54", long 83º59'25", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 30.0 feet upstream of bridge on County Road 368, and 5.5 miles southeast of Snellville.

DRAINAGE AREA.—17.3 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—February 7, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: February 7, 2001 to current year.
WATER TEMPERATURE: February 7, 2001 to current year.
TURBIDITY: February 7, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records fair, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 132 microsiemens, August 27, 2002; minimum recorded, 15 microsiemens, April 24, 2002, March 6, 2003.
WATER TEMPERATURE: Maximum recorded, 26.4°C, August 24, 2002; minimum recorded, 2.1°C, January 5, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, <2.0 NTU, October 9, 10, 2001.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 96 microsiemens, July 25; minimum recorded, 27 microsiemens, September 7.
WATER TEMPERATURE: Maximum recorded, 25.7°C, June 17, 19; minimum recorded, 4.6°C, December 21.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	62	61	61	64	62	62	59	56	57	61	60	61
2	62	59	61	64	62	63	59	54	57	61	61	61
3	62	59	61	63	62	62	59	53	57	61	61	61
4	62	59	61	63	63	63	58	50	56	61	60	61
5	62	59	61	---	---	---	58	51	55	62	43	56
6	62	58	60	---	---	---	59	52	56	59	48	56
7	64	57	61	---	---	---	59	52	57	60	59	60
8	63	58	62	63	58	62	61	54	59	60	60	60
9	62	56	61	65	62	63	61	59	60	60	56	58
10	62	61	62	63	61	62	60	43	54	60	58	60
11	62	61	62	62	61	61	59	56	58	61	60	60
12	62	61	62	62	61	61	59	58	59	61	60	61
13	62	60	62	61	45	59	60	58	59	61	60	60
14	64	58	62	61	48	58	---	---	---	61	60	61
15	64	62	63	62	60	60	---	---	---	61	60	60
16	63	62	62	60	60	60	---	---	---	61	61	61
17	62	61	62	61	60	60	---	---	---	61	60	61
18	63	59	61	61	59	60	---	---	---	60	57	58
19	59	57	58	---	---	---	63	59	60	61	59	60
20	58	57	58	---	---	---	60	60	60	61	60	61
21	59	56	57	57	54	56	61	60	60	61	61	61
22	59	57	58	58	55	57	61	60	60	61	61	61
23	58	56	57	59	53	58	61	58	60	61	61	61
24	57	55	56	59	57	58	59	49	55	62	61	61
25	58	56	57	58	55	58	60	59	60	61	40	50
26	---	---	---	59	54	57	60	60	60	55	47	53
27	---	---	---	59	46	56	61	60	60	57	55	56
28	---	---	---	55	40	50	61	60	60	58	56	57
29	61	61	61	57	53	55	61	60	60	60	58	58
30	62	61	62	57	56	56	61	59	60	59	59	59
31	65	62	63	---	---	---	61	60	60	59	59	59
MONTH	---	---	---	---	---	---	---	---	---	62	40	59

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	60	59	59	59	58	58	62	60	60	---	---	---
2	60	51	59	59	58	58	62	61	61	---	---	---
3	58	49	55	59	58	59	64	61	61	---	---	---
4	59	58	59	59	58	59	62	61	61	61	60	60
5	---	---	---	59	59	59	62	60	61	61	60	60
6	---	---	---	60	57	58	62	56	62	---	---	---
7	---	---	---	59	58	59	61	57	63	61	60	61
8	---	---	---	69	59	60	---	---	---	62	60	61
9	---	---	---	60	59	60	63	59	62	---	---	---
10	---	---	---	60	59	60	63	57	62	62	61	61
11	57	56	56	---	---	---	63	61	62	61	58	60
12	56	33	46	---	---	---	---	---	---	59	36	54
13	54	51	52	---	---	---	---	---	---	53	37	48
14	54	46	50	---	---	---	61	59	60	55	53	55
15	53	43	50	---	---	---	62	61	61	57	55	56
16	54	51	53	60	59	60	64	61	63	58	54	56
17	55	54	55	60	59	60	63	61	62	59	57	58
18	56	55	56	61	60	60	64	61	63	59	56	58
19	58	56	56	60	60	60	64	61	62	60	56	59
20	58	57	57	61	60	60	63	59	61	62	56	59
21	57	57	57	---	---	---	63	59	62	---	---	---
22	58	57	58	61	60	61	63	59	61	---	---	---
23	58	57	58	61	61	61	62	59	61	62	58	60
24	58	57	58	61	60	60	---	---	---	63	61	62
25	59	57	58	61	60	60	---	---	---	62	60	62
26	58	50	54	61	60	60	---	---	---	63	62	62
27	57	53	56	61	60	61	65	60	62	63	62	62
28	58	56	57	61	60	61	62	59	61	63	62	62
29	58	58	58	61	60	61	62	59	61	63	59	63
30	---	---	---	63	60	61	62	59	62	63	59	63
31	---	---	---	61	60	61	---	---	---	63	55	59
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	62	58	60	57	54	56	63	60	61	62	48	57
2	62	61	61	56	49	54	62	61	60	56	36	49
3	63	61	62	59	56	57	61	59	60	56	52	55
4	63	62	62	---	---	---	63	60	62	59	56	57
5	63	62	62	---	---	---	64	60	62	58	57	58
6	63	62	62	59	59	---	62	61	61	59	57	58
7	64	56	62	64	56	60	62	61	61	58	27	44
8	62	55	59	61	58	60	63	61	62	53	48	52
9	61	59	60	---	---	---	64	62	62	55	53	54
10	62	60	61	---	---	---	64	62	62	56	49	55
11	62	61	61	---	---	---	63	62	62	58	53	56
12	63	61	62	62	61	62	65	30	50	58	54	56
13	---	---	---	62	61	61	58	54	56	58	57	57
14	---	---	---	63	57	61	62	57	59	59	57	58
15	65	54	58	60	57	58	59	55	57	60	59	60
16	65	36	60	61	59	60	57	55	56	---	---	---
17	55	40	49	62	61	62	58	56	57	---	---	---
18	60	54	57	62	60	61	58	57	58	55	54	54
19	58	55	57	62	60	61	62	57	58	55	50	53
20	59	58	59	62	61	61	63	59	62	52	50	51
21	60	59	60	63	59	61	66	58	61	56	51	54
22	---	---	---	62	58	61	66	62	64	56	54	54
23	---	---	---	62	57	61	64	62	63	57	54	56
24	---	---	---	62	57	60	65	61	64	65	57	57
25	---	---	---	96	50	61	65	64	64	59	57	59
26	58	54	57	55	41	50	65	58	60	60	59	60
27	---	---	---	60	55	58	62	58	60	60	38	52
28	---	---	---	60	58	59	63	62	62	62	44	55
29	55	51	53	62	49	60	63	62	63	59	55	58
30	57	53	55	60	47	56	64	56	63	57	55	56
31	---	---	---	62	59	60	62	61	61	---	---	---
MONTH	---	---	---	---	---	---	66	30	60	---	---	---

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.9	15.2	16.6	17.1	14.1	15.7	11.0	8.2	9.6	9.7	6.5	8.2
2	17.0	14.9	16.0	17.3	14.4	15.9	10.6	8.3	9.6	10.9	8.2	9.7
3	16.1	14.0	15.2	17.3	14.2	15.9	9.4	8.5	9.0	12.5	10.1	11.3
4	17.4	14.4	16.1	18.3	16.5	17.4	8.9	7.8	8.1	13.4	11.3	12.4
5	18.2	15.4	16.9	19.5	18.1	18.5	8.9	8.0	8.5	14.0	11.6	13.3
6	18.5	17.2	17.8	---	---	---	9.3	7.8	8.3	11.6	7.6	9.4
7	18.9	17.9	18.4	19.8	18.4	19.1	8.8	6.6	7.7	7.6	5.6	6.5
8	19.2	18.1	18.6	18.4	16.7	17.4	9.0	6.3	7.8	7.0	5.1	6.1
9	19.2	18.3	18.8	16.7	14.3	15.7	10.1	7.0	8.6	7.6	6.7	7.2
10	19.3	18.5	18.8	14.4	12.6	13.6	11.1	9.0	10.4	7.3	6.0	6.9
11	18.5	18.0	18.2	15.1	12.1	13.7	9.2	8.1	8.6	7.2	4.7	6.0
12	19.7	17.8	18.6	16.7	13.5	15.2	9.3	7.2	8.3	8.1	5.0	6.6
13	19.3	17.0	18.4	16.5	11.8	14.3	8.6	7.5	8.1	9.8	7.0	8.3
14	20.1	17.4	19.1	12.3	10.0	11.3	8.1	6.9	7.6	10.2	7.0	8.7
15	17.4	15.2	16.3	13.2	10.3	11.8	9.0	7.0	8.0	10.5	8.5	9.7
16	16.3	13.2	14.9	14.6	11.3	13.0	10.2	6.8	8.4	9.4	6.7	8.2
17	15.4	13.3	14.6	16.3	14.5	15.5	10.2	7.6	8.8	8.9	6.8	8.0
18	16.3	13.6	15.1	17.1	15.4	16.3	8.8	6.6	7.9	10.7	8.7	9.7
19	16.5	13.5	15.1	17.6	15.5	16.8	8.7	7.1	7.9	9.9	6.8	8.4
20	17.1	14.1	15.7	15.6	14.0	14.8	7.3	5.8	6.5	7.6	5.2	6.4
21	17.8	14.4	16.3	15.1	12.6	14.0	7.1	4.6	5.9	7.6	5.1	6.4
22	17.8	15.9	16.9	14.8	12.1	13.6	8.1	4.9	6.6	8.4	5.6	7.0
23	16.8	14.2	15.7	14.8	11.9	13.5	9.9	6.1	7.9	7.6	5.5	6.7
24	---	14.2	---	14.3	11.3	13.5	10.0	7.6	9.3	9.4	5.0	7.2
25	17.0	14.7	15.8	11.4	9.3	10.5	7.8	6.3	7.1	9.3	6.1	8.1
26	17.4	16.2	16.7	12.2	9.2	10.8	8.3	5.9	7.2	6.5	6.1	6.4
27	17.5	15.7	17.0	12.8	11.7	12.2	8.6	5.7	7.3	7.7	6.1	6.8
28	15.7	14.0	14.7	13.7	10.6	12.8	8.9	6.1	7.6	6.6	4.7	5.7
29	15.8	13.8	14.8	10.6	8.7	9.5	10.5	7.4	8.8	7.3	4.7	6.0
30	16.1	13.1	14.8	10.2	7.5	8.9	10.6	8.1	9.5	8.6	6.0	7.2
31	16.6	13.7	15.3	---	---	---	9.1	6.4	7.9	7.9	5.8	7.0
MONTH	---	13.1	---	---	---	---	11.1	4.6	8.2	14.0	4.7	7.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.0	5.7	7.0	13.2	8.9	11.0	---	---	---	---	---	---
2	7.5	5.7	6.6	14.7	11.9	13.1	15.2	10.8	13.0	---	---	---
3	8.3	5.6	6.9	16.0	12.9	14.3	16.8	11.1	13.9	---	---	---
4	8.5	5.8	7.1	16.3	13.6	14.9	16.2	11.8	13.7	---	---	---
5	---	---	---	16.4	14.2	15.3	15.9	10.5	13.2	18.3	13.9	16.2
6	---	---	---	17.1	14.9	16.0	16.7	11.0	13.9	19.7	15.9	18.0
7	---	---	---	16.5	12.8	14.5	17.2	11.8	14.6	20.4	16.5	18.6
8	---	---	---	14.1	11.1	12.5	---	---	---	21.1	17.2	19.3
9	---	---	---	12.6	9.5	11.1	---	---	---	21.8	18.5	20.0
10	---	---	---	13.1	9.3	11.1	17.0	12.4	15.0	21.1	18.1	19.8
11	9.3	8.1	8.7	---	---	---	17.1	14.7	16.0	20.9	19.0	20.0
12	8.9	7.1	7.8	---	---	---	16.5	15.4	15.9	20.9	19.0	19.8
13	10.0	7.8	8.7	---	---	---	---	---	---	21.0	20.0	20.5
14	9.5	8.9	9.2	---	---	---	14.3	11.3	12.7	20.7	19.3	20.1
15	9.4	8.8	9.2	---	---	---	16.2	11.1	13.7	21.2	18.8	20.1
16	8.8	8.0	8.5	17.0	14.0	15.1	17.3	11.9	14.8	20.9	18.9	20.0
17	8.8	7.7	8.3	15.8	12.0	13.7	18.1	13.0	15.8	21.5	18.9	20.2
18	10.3	7.3	8.7	14.7	10.7	12.8	19.1	14.1	16.7	20.9	19.2	20.1
19	10.9	7.2	9.0	17.3	11.7	14.4	19.4	15.0	17.4	20.9	19.1	20.1
20	10.7	7.8	9.4	17.2	12.7	14.9	19.5	16.1	17.9	22.1	19.2	20.7
21	12.3	10.1	11.0	---	---	---	18.4	16.1	17.4	22.5	19.7	21.2
22	11.8	8.3	10.0	---	---	---	19.4	15.3	17.5	21.7	20.3	21.1
23	10.5	8.6	9.7	---	---	---	19.9	16.1	18.1	23.0	20.7	21.8
24	10.9	9.9	10.4	---	---	---	---	---	---	22.6	19.7	21.3
25	10.7	9.0	10.0	16.4	10.6	13.5	---	---	---	23.4	21.0	22.1
26	9.0	6.5	7.0	18.0	12.4	15.2	---	---	---	23.6	21.0	22.3
27	8.5	6.6	7.4	18.8	13.0	15.8	17.6	14.9	16.3	23.1	20.7	21.9
28	10.4	6.4	8.3	19.2	13.7	16.4	17.1	13.1	15.3	22.9	20.8	21.8
29	11.0	7.0	9.0	18.9	15.5	16.8	17.9	14.3	16.3	22.0	20.6	21.3
30	---	---	---	18.4	14.9	16.4	18.2	17.1	17.7	22.9	20.2	21.6
31	---	---	---	---	---	---	---	---	---	22.2	21.0	21.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.4	20.0	20.7	23.5	22.4	22.9	25.1	23.0	24.1	23.2	21.6	22.4
2	21.3	18.6	20.1	23.7	22.8	23.2	25.0	23.2	24.1	23.9	22.2	23.2
3	21.4	18.8	20.3	24.0	22.6	23.3	24.9	22.3	23.6	23.3	22.4	22.9
4	22.3	20.0	21.0	---	---	---	25.1	22.4	23.7	22.8	21.4	22.2
5	21.2	18.5	20.1	---	---	---	24.4	22.0	23.1	23.1	21.3	22.2
6	22.0	19.4	20.6	---	---	---	23.9	21.7	22.9	22.6	21.6	22.1
7	21.2	19.7	20.5	24.9	22.1	23.6	22.1	19.9	21.0	22.9	21.8	22.3
8	21.5	20.3	20.9	25.4	23.5	24.4	21.7	18.4	20.1	22.7	22.3	22.5
9	22.2	21.2	21.6	24.2	22.3	23.1	21.9	18.6	20.3	23.1	21.7	22.4
10	23.2	21.1	22.1	24.3	22.0	23.1	21.1	19.7	20.4	23.4	22.0	22.7
11	23.8	21.3	22.6	24.4	22.0	23.2	22.1	19.2	20.6	23.2	21.8	22.5
12	24.4	21.7	23.1	24.3	22.0	23.1	23.6	20.6	22.2	22.6	21.5	22.1
13	23.1	22.1	22.6	24.6	22.3	23.4	23.0	21.3	22.0	21.9	20.9	21.5
14	---	---	---	24.7	21.9	23.2	22.1	19.9	21.1	21.5	20.0	20.8
15	24.0	22.3	23.0	23.9	21.8	22.8	22.6	21.0	21.7	20.7	20.1	20.4
16	24.3	22.3	23.2	22.8	20.2	21.7	22.9	21.2	21.9	22.9	20.7	21.6
17	25.7	23.3	24.6	23.1	21.3	22.1	22.9	20.5	21.8	22.8	21.9	22.2
18	25.4	24.1	24.8	23.8	21.5	22.6	23.2	20.6	21.9	22.2	21.0	21.6
19	25.7	23.8	24.8	23.7	21.3	22.5	23.1	20.5	21.8	21.4	19.8	20.6
20	24.9	23.0	24.1	23.3	20.5	22.0	23.2	21.1	22.2	20.3	19.0	19.7
21	24.2	22.8	23.5	23.6	20.7	22.2	23.2	21.7	22.4	20.1	18.5	19.4
22	24.2	22.3	23.1	23.8	21.3	22.6	23.1	21.5	22.3	20.2	18.0	19.2
23	23.9	22.3	23.0	24.8	21.9	23.3	23.3	21.9	22.5	20.7	18.0	19.5
24	23.6	22.9	23.2	24.9	22.2	23.5	23.1	21.4	22.3	21.1	19.0	20.1
25	23.8	22.5	23.1	24.1	22.5	23.2	22.8	21.7	22.3	21.0	19.1	20.0
26	23.3	22.2	22.8	25.5	22.2	24.3	23.8	21.8	22.7	20.6	18.5	19.6
27	22.8	21.9	22.4	24.7	23.6	24.1	23.8	21.6	22.7	20.3	19.5	19.8
28	---	---	---	24.8	23.1	23.9	24.3	21.8	23.0	21.4	20.2	20.8
29	24.0	22.5	23.2	24.4	22.7	23.5	24.0	22.1	22.8	21.0	19.9	20.5
30	23.4	22.6	22.9	25.4	23.7	24.5	23.6	21.4	22.5	20.9	19.0	20.0
31	---	---	---	25.3	23.4	24.3	24.0	21.5	22.7	---	---	---
MONTH	---	---	---	---	---	---	25.1	18.4	22.2	23.9	18.0	21.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	30	<5.0	10	33	7.4	9.1	33	16	19	22	7.6	10
2	20	<5.0	7.1	13	6.0	7.8	32	12	16	18	7.4	9.9
3	15	<5.0	5.9	16	5.1	6.5	42	12	16	20	8.0	10
4	22	<5.0	7.9	12	<5.0	5.6	48	13	25	19	7.6	10
5	24	<5.0	6.7	---	---	---	37	12	15	570	9.0	14
6	20	<5.0	8.9	---	---	---	32	11	13	98	22	30
7	48	<5.0	20	36	16	22	35	8.8	13	24	16	20
8	21	<5.0	8.4	33	11	15	49	8.3	14	29	14	17
9	17	<5.0	7.8	20	8.6	11	64	7.1	13	30	14	21
10	19	<5.0	9.2	32	6.2	9.6	410	8.6	70	31	15	19
11	19	<5.0	7.2	25	8.1	11	61	22	34	25	11	15
12	18	<5.0	6.2	29	5.5	7.9	47	19	23	30	12	17
13	19	<5.0	7.2	15	5.8	7.0	56	17	22	26	9.6	13
14	15	<5.0	6.6	35	<5.0	6.3	334	30	50	19	8.7	12
15	19	<5.0	7.2	30	5.4	7.3	40	21	28	34	8.3	11
16	17	<5.0	6.3	21	5.2	6.6	36	16	21	31	8.3	11
17	20	<5.0	6.8	17	5.0	7.0	58	18	25	21	7.6	10
18	19	<5.0	7.2	34	<5.0	6.5	31	14	19	41	11	18
19	17	<5.0	6.7	1860	22	125	27	13	16	18	8.2	12
20	18	<5.0	5.9	141	52	69	30	12	14	19	7.2	9.3
21	28	<5.0	12	80	38	46	35	10	13	14	6.5	8.7
22	20	<5.0	9.7	60	30	38	59	10	14	15	6.1	8.7
23	18	<5.0	8.2	55	20	25	55	9.6	18	14	5.9	8.0
24	18	<5.0	8.4	31	19	22	295	20	29	15	5.6	7.8
25	11	<5.0	6.0	24	14	17	29	13	17	555	6.8	177
26	646	5.2	8.4	48	12	15	37	12	14	153	46	67
27	141	33	48	176	11	18	29	10	13	59	38	42
28	63	19	28	202	36	56	24	10	13	49	22	30
29	33	13	18	42	25	29	23	9.0	12	24	15	20
30	32	9.3	13	39	18	22	23	10	14	20	12	17
31	15	7.6	9.9	---	---	---	17	8.0	11	23	13	17
MAX	646	33	48	---	---	---	410	30	70	570	46	177
MIN	11	5.0	5.9	---	---	---	17	7.1	11	14	5.6	7.8

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	23	13	17	23	7.7	11	---	---	---	---	---	---
2	258	13	16	22	8.5	11	11	<5.0	<5.0	---	---	---
3	82	17	24	16	8.2	10	11	<5.0	<5.0	---	---	---
4	21	13	15	21	7.8	10	9.6	<5.0	<5.0	---	---	---
5	---	---	---	19	6.2	9.8	10	<5.0	<5.0	26	9.1	12
6	---	---	---	37	8.0	14	9.1	<5.0	<5.0	19	7.5	11
7	---	---	---	15	6.6	9.0	---	---	---	24	6.2	9.6
8	---	---	---	24	6.0	8.9	---	---	---	25	5.7	8.4
9	---	---	---	20	5.6	8.1	---	---	---	46	5.7	9.6
10	---	---	---	17	<5.0	6.8	17	<5.0	<5.0	26	5.9	8.7
11	---	---	---	---	---	---	10	<5.0	<5.0	22	<5.0	8.0
12	---	---	---	---	---	---	---	---	---	>2200	5.3	9.3
13	---	---	---	---	---	---	---	---	---	496	32	59
14	---	---	---	---	---	---	34	6.4	10	56	14	22
15	---	---	---	---	---	---	18	5.2	6.5	42	8.8	13
16	---	---	---	13	<5.0	6.7	15	<5.0	6.7	21	7.0	9.5
17	---	---	---	9.0	<5.0	5.6	19	<5.0	5.8	15	5.6	7.9
18	41	23	27	11	<5.0	5.2	13	<5.0	6.0	26	6.1	8.0
19	33	20	25	9.6	<5.0	5.2	23	<5.0	6.8	20	6.0	7.8
20	25	16	19	---	---	---	17	<5.0	6.5	26	5.2	7.4
21	30	15	18	---	---	---	13	<5.0	6.2	22	5.5	7.4
22	28	13	16	---	---	---	13	5.3	7.0	196	6.3	12
23	30	11	14	---	---	---	12	<5.0	6.4	50	16	22
24	24	11	14	---	---	---	---	---	---	26	12	16
25	20	8.6	13	12	<5.0	<5.0	---	---	---	24	7.7	12
26	125	12	26	9.7	<5.0	<5.0	---	---	---	24	6.0	10
27	28	15	20	22	<5.0	5.0	18	5.5	8.2	57	6.1	9.2
28	21	9.2	13	19	<5.0	5.8	20	<5.0	7.1	30	5.5	8.6
29	20	9.6	11	19	<5.0	5.5	24	5.5	8.8	20	5.2	8.4
30	---	---	---	27	<5.0	11	16	<5.0	7.3	13	5.3	7.9
31	---	---	---	---	---	---	---	---	---	113	6.4	22
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26	6.7	10	236	25	47	71	6.5	11	143	<5.0	22
2	37	5.3	8.5	289	35	52	37	5.3	7.9	1090	42	73
3	22	5.1	8.6	58	20	31	37	6.1	9.1	48	17	28
4	23	<5.0	7.5	---	---	---	28	<5.0	6.1	37	8.9	12
5	22	<5.0	7.2	---	---	---	20	<5.0	6.1	14	5.4	8.7
6	33	<5.0	7.2	---	---	---	23	7.2	9.9	12	<5.0	6.3
7	123	<5.0	7.4	58	11	27	16	<5.0	5.8	>2200	7.7	236
8	179	9.8	18	53	13	23	12	<5.0	<5.0	175	90	119
9	31	8.0	12	325	7.2	17	9.8	<5.0	<5.0	94	58	75
10	33	5.6	9.1	31	6.2	10	10	<5.0	<5.0	63	39	49
11	18	5.2	7.9	18	<5.0	8.3	12	<5.0	<5.0	75	21	29
12	27	5.0	7.6	23	<5.0	7.9	888	<5.0	97	28	12	17
13	---	---	---	19	<5.0	7.7	94	32	48	35	<5.0	12
14	---	---	---	121	<5.0	8.8	39	14	21	16	6.7	8.7
15	113	24	42	---	---	---	22	6.8	10	12	5.3	7.6
16	1640	22	64	---	---	---	21	<5.0	6.8	>2200	6.2	64
17	750	83	130	---	---	---	13	<5.0	5.1	>2200	120	156
18	108	27	45	---	---	---	10	<5.0	5.0	124	82	103
19	122	18	32	---	---	---	14	<5.0	<5.0	95	60	74
20	566	16	24	27	<5.0	6.2	19	<5.0	5.9	64	43	53
21	42	12	15	28	<5.0	6.8	18	<5.0	6.1	46	31	39
22	1230	8.1	14	33	<5.0	7.3	11	<5.0	<5.0	38	22	27
23	920	32	108	27	<5.0	6.8	17	<5.0	7.2	32	15	19
24	180	42	64	28	<5.0	5.8	19	<5.0	<5.0	22	11	15
25	171	20	44	491	<5.0	5.1	13	<5.0	<5.0	19	9.1	12
26	68	11	24	778	40	71	14	<5.0	6.0	19	7.8	9.7
27	---	---	---	59	20	26	9.2	<5.0	<5.0	314	7.9	17
28	---	---	---	38	9.0	13	11	<5.0	<5.0	164	46	69
29	143	50	62	284	6.9	11	11	<5.0	<5.0	81	31	39
30	394	27	41	363	15	26	107	<5.0	<5.0	42	23	28
31	---	---	---	38	8.5	15	43	<5.0	<5.0	---	---	---
MAX	---	---	---	---	---	---	888	32	97	2200	120	236
MIN	---	---	---	---	---	---	9.2	5.0	5.0	12	5.0	6.3

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA

LOCATION.—Lat 33º48'54", long 83º59'25", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, and 5.5 miles southeast of Snellville.

DRAINAGE AREA.—17.3 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities, Rockdale County Department of Water Resources

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 12, 1996 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Color, water, fltrd, Pt-Co units (00080)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)
OCT													
06...	1215	--	9	81213	14	3.04	20	--	4.6	<.1	8	3.10	11
OCT													
26-26	1420	1920	J	81213	--	--	40	--	400	8.3	23	2.40	8
NOV													
18-19	2346	0606	J	81213	--	--	150	--	540	3.8	21	2.10	7
DEC													
02...	1600	--	9	81213	20	3.17	50	--	11	.6	10	3.40	12
JAN													
05-05	1602	2232	J	81213	--	--	80	--	190	2.4	9	2.60	9
FEB													
12-12	0434	0742	J	81213	--	--	E200	--	370	2.2	9	2.40	8
MAR													
04...	0945	--	9	81213	23	3.22	60	--	10	E.4	5	3.30	12
25...	1110	--	9	81213	20	3.16	30	--	8.4	.5	<5	2.90	10
MAY													
22-23	1518	0922	J	81213	--	--	E80	--	71	--	20	2.80	10
26...	1235	--	9	81213	12	2.98	45	--	7.0	.5	<5	2.30	8
JUN													
22-23	2228	1100	J	81213	--	--	240	--	220	3.9	9	2.70	9
JUL													
12...	1110	--	9	81213	10	2.92	20	--	6.2	.4	<5	3.70	13
JUL													
26-26	0059	0518	J	80855	--	--	--	250	390	7.0	E11	2.10	10
SEP													
07-07	0509	0836	J	80855	--	--	--	380	650	5.4	E15	1.60	14

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Loss on ig-nition, from ROE, wat unf mg/L (00505)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)
OCT													
06...	.74	.87	--	40	3	2	.87	.850	A.030	.20	<.02	<.02	<.5
OCT													
26-26	.57	1.30	--	33	463	75	.76	.750	A.059	2.0	.02	.26	<.5
NOV													
18-19	.51	1.40	--	31	610	91	.53	.540	A.030	2.1	<.02	.28	<.5
DEC													
02...	.83	.86	--	55	3	1	.88	.880	A.083	.20	<.02	<.02	<.5
JAN													
05-05	.61	.96	--	32	182	28	.70	.700	.080	1.3	<.02	.15	<.5
FEB													
12-12	.58	1.30	--	29	351	49	.72	.720	A.095	1.0	<.02	.20	<.5
MAR													
04...	.82	.87	--	45	8	3	1.00	1.00	A.067	<.20	<.02	<.02	<.5
25...	.76	.85	--	46	2	1	.92	.930	A.045	<.20	<.02	<.02	<.5
MAY													
22-23	.66	.94	--	52	69	10	.83	.830	A.079	.80	<.02	.05	<.5
26...	.53	.94	--	50	5	3	.80	.800	A.057	.40	<.02	<.02	<.5
JUN													
22-23	.61	.86	--	36	198	36	.63	.650	A.080	.90	<.02	.15	<.5
JUL													
12...	.88	.85	--	46	4	2	.84	.820	A.055	<.20	<.02	<.02	<.5
JUL													
26-26	.52	.7	28	57	520	100	.640	.610	.160	1.7	E.025	.180	<5.0
SEP													
07-07	.35	1.7	--	70	730	98	.270	.260	.130	1.4	<.050	.083	<5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT									
06...	<1	<2	--	661	<2	133	3	--	4
OCT									
26-26	2	4	188	11200	16	1730	59	54	562
NOV									
18-19	3	4	--	11100	22	1330	62	36	961
DEC									
02...	<1	<2	--	699	<2	170	5	79	6
JAN									
05-05	1	<2	94	5900	8	495	26	54	332
FEB									
12-12	3	3	--	6710	13	496	37	41	785
MAR									
04...	<1	<2	--	641	<2	132	6	--	7
25...	<1	<2	45	523	<2	135	4	--	4
MAY									
22-23	<1	<2	--	2260	3	313	13	61	76
26...	<1	<2	--	764	<2	164	4	--	5
JUN									
22-23	1	<2	100	3290	7	374	20	89	206
JUL									
12...	<1	<2	--	648	<2	216	4	--	4
JUL									
26-26	<10	M	--	6400	M	1300	40	88	471
SEP									
07-07	E9	M	--	19000	M	1200	580	32	2240

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)
OCT								
16...	0800	9	--	3.14	270	2.1	E1.5	<.1
NOV								
12...	1220	9	--	3.10	140	3.6	E1.3	<.1
DEC								
10...	1220	9	--	3.68	E710	7.4	--	--
JAN								
21...	0940	9	18	3.14	E44	2.9	--	--
FEB								
17...	1105	9	45	3.46	58	2.4	--	--
MAR								
17...	1240	9	20	3.17	70	1.6	--	--
MAY								
26...	0750	9	12	2.98	E260	2.9	--	--
JUN								
23...	1150	9	21	3.18	>400	4.5	--	--
JUL								
19...	1040	9	10	2.94	150	2.6	--	--
AUG								
03...	1045	9	10	2.94	<1	3.1	--	--
SEP								
17...	1230	9	167	4.33	E4800	7.8	--	--

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
06...	1219	9	7.00	14	3.04	96	8.9	6.5	62	17.9	9.9	--	--
06...	1220	9	14.0	14	3.04	96	8.9	6.5	62	17.9	5.8	--	--
06...	1221	9	21.0	14	3.04	96	8.9	6.5	58	18.2	5.8	--	--
26...	1525	J	5.00	72	3.67	91	8.7	6.8	61	16.8	160	--	--
26...	1526	J	15.0	72	3.67	88	8.4	6.7	61	16.8	250	--	--
26...	1527	J	25.0	72	3.67	89	8.3	6.7	50	17.6	140	--	--
NOV													
19...	0849	J	6.00	176	4.18	91	8.5	6.2	45	16.8	200	50	243
19...	0850	J	14.0	176	4.18	91	8.6	6.3	45	16.6	210	38	245
19...	0851	J	22.0	176	4.18	91	8.6	6.3	45	16.5	180	33	276
DEC													
02...	1609	9	13.0	20	3.16	98	10.7	6.2	60	10.6	12	--	--
02...	1610	9	19.0	20	3.16	98	10.7	6.2	60	10.6	12	--	--
02...	1611	9	25.0	20	3.16	98	10.7	6.2	60	10.6	14	--	--
JAN													
06...	1022	J	19.0	32	3.34	107	12.7	6.8	52	8.6	36	--	--
06...	1023	J	12.0	32	3.34	107	12.6	6.8	56	8.9	31	--	--
06...	1024	J	5.00	32	3.34	108	12.6	6.8	57	9.0	32	--	--
21...	0931	9	11.7	19	3.15	110	13.6	6.7	62	5.1	--	--	--
21...	0932	9	15.1	19	3.15	110	13.6	6.5	62	5.2	--	--	--
21...	0933	9	18.5	19	3.15	107	13.3	6.4	62	5.2	--	--	--
21...	0934	9	21.9	19	3.15	106	13.1	6.4	62	5.2	--	--	--
21...	0935	9	25.3	19	3.15	112	13.8	6.4	60	5.3	--	--	--
21...	1036	9	28.7	19	3.15	112	13.8	6.4	60	5.4	--	--	--
21...	1037	9	32.1	19	3.15	115	14.0	6.3	55	5.7	--	--	--
FEB													
12...	0957	J	5.00	207	4.31	44	5.2	6.5	27	7.0	260	--	--
12...	0958	J	15.0	207	4.31	46	5.4	6.5	37	6.9	230	--	--
12...	0959	J	25.0	207	4.31	47	5.5	6.5	36	7.0	240	--	--
MAR													
04...	0949	9	7.00	23	3.22	94	9.7	6.0	59	13.8	14	--	--
04...	0950	9	14.0	23	3.22	94	9.7	6.0	59	13.8	13	--	--
04...	0951	9	21.0	23	3.22	94	9.7	6.0	59	13.9	12	--	--
17...	1236	9	5.00	19	3.15	105	10.4	6.8	61	14.4	12	--	--
17...	1237	9	17.0	19	3.15	105	10.4	6.8	61	14.4	12	--	--
17...	1238	9	29.0	19	3.15	105	10.4	6.7	61	14.5	12	--	--
25...	1114	9	8.00	20	3.16	95	10.0	6.7	61	12.8	13	--	--
25...	1115	9	18.0	20	3.16	95	9.9	6.7	61	12.9	5.4	--	--
25...	1116	9	28.0	20	3.16	87	9.1	6.7	60	13.0	6.2	--	--
MAY													
22...	1604	J	21.0	41	3.42	88	8.0	5.9	51	20.4	170	--	--
22...	1605	J	18.0	41	3.42	86	7.7	5.8	49	20.6	190	--	--
22...	1606	J	15.0	41	3.42	86	7.6	6.0	47	21.2	230	--	--
22...	1607	J	9.00	41	3.42	86	7.6	6.0	46	21.2	240	--	--
22...	1608	J	3.00	43	3.44	88	7.7	5.9	47	21.2	180	--	--
26...	0751	9	5.00	12	2.98	101	8.7	7.4	63	21.0	11	--	--
26...	0752	9	10.0	12	2.98	101	8.7	7.0	63	21.0	12	--	--
26...	0753	9	15.0	12	2.98	102	8.8	6.9	63	21.0	13	--	--
26...	1244	9	5.00	12	2.98	90	7.7	6.4	58	22.8	7.2	--	--
26...	1245	9	10.0	12	2.98	90	7.7	6.4	58	22.9	6.7	--	--
26...	1246	9	15.0	12	2.98	90	7.7	6.3	58	22.9	6.9	--	--
JUN													
23...	1008	J	8.00	21	3.19	88	7.5	6.7	53	22.5	49	--	--
23...	1009	J	16.0	21	3.19	88	7.5	6.7	53	22.5	63	--	--
23...	1010	J	24.0	21	3.19	88	7.5	6.7	53	22.5	78	--	--

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)
JUL											
12...	1129	9	5.00	10	2.92	91	7.7	6.6	60	23.3	5.0
12...	1130	9	10.0	10	2.92	91	7.7	6.6	60	23.3	4.0
12...	1131	9	15.0	10	2.92	91	7.7	6.6	60	23.3	4.0
19...	1040	9	10.0	10	2.94	98	8.2	6.9	62	22.1	4.5
19...	1041	9	2.00	10	2.94	98	8.3	7.2	63	22.1	3.5
19...	1042	9	6.00	10	2.94	98	8.3	6.9	62	22.1	5.1
19...	1043	9	10.0	10	2.94	98	8.2	6.9	63	22.1	5.0
19...	1044	9	14.0	10	2.94	98	8.2	6.9	62	22.1	4.5
19...	1045	9	18.0	10	2.94	98	8.2	6.9	62	22.1	4.5
26...	0124	J	5.00	102	3.84	91	7.7	6.7	46	22.8	450
26...	0125	J	10.0	102	3.84	90	7.6	6.6	44	22.8	470
26...	0126	J	15.0	102	3.84	88	7.4	6.6	41	22.9	580
AUG											
03...	1045	9	11.0	10	2.94	93	8.0	6.8	61	23.3	11
03...	1046	9	2.20	10	2.94	93	8.0	6.9	61	23.2	11
03...	1047	9	6.60	10	2.94	93	8.0	6.9	61	23.3	11
03...	1048	9	11.0	10	2.94	93	8.0	6.8	61	23.3	12
03...	1049	9	15.4	10	2.94	93	8.0	6.8	61	23.3	9.0
03...	1050	9	19.8	10	2.94	86	7.3	6.8	62	23.4	9.4
SEP											
07...	1138	J	25.0	448	5.39	84	7.3	6.0	38	22.4	300
07...	1139	J	15.0	448	5.39	83	7.2	5.9	38	22.3	310
07...	1140	J	5.00	448	5.39	82	7.2	5.9	38	27.2	330

Remark codes used in this table:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

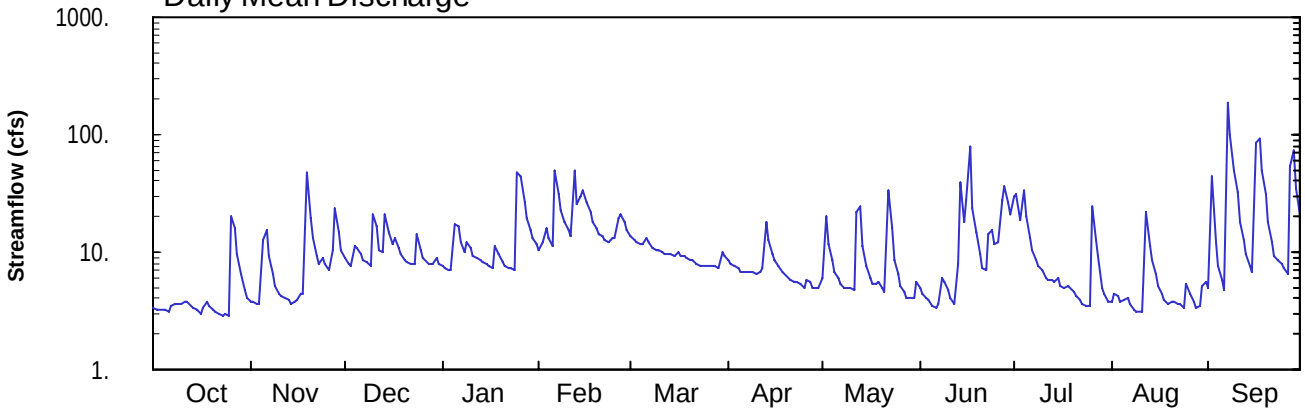
ALTAMAHA RIVER BASIN

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA

Latitude: 33°49'17" Longitude: 083°56'33" Hydrologic Unit Code: 03070103

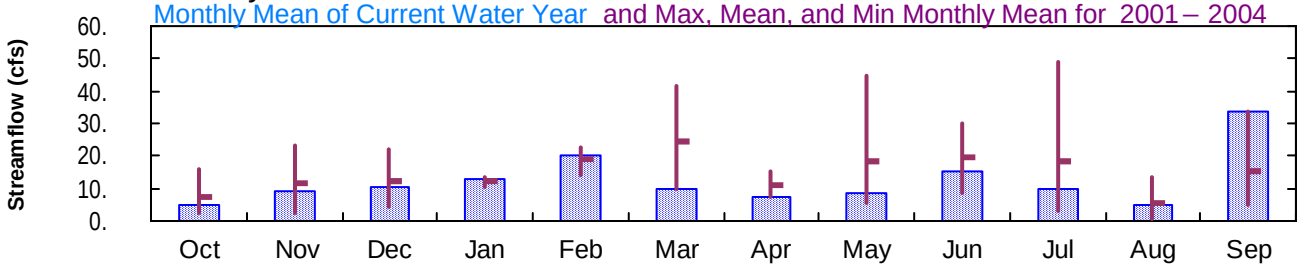
Gwinnett County Datum: 880.00 feet Drainage Area: 8.15 mi^2

Daily Mean Discharge

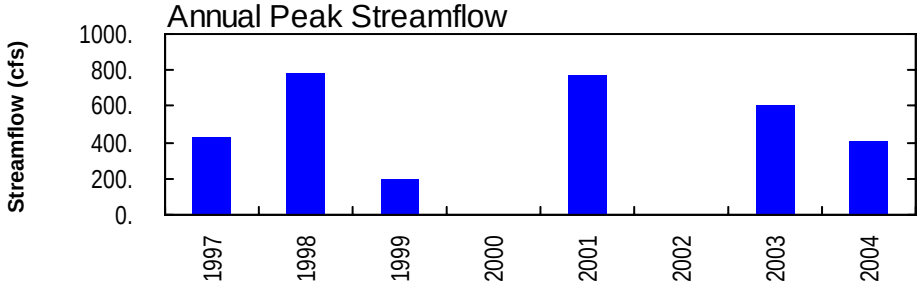


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA

LOCATION.—Lat 33°49'17", long 83°56'33", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 0307103, at concrete box culvert on Beaver Road, 2.6 miles southwest of Loganville, and 3.4 miles upstream of Big Haynes Creek.

DRAINAGE AREA.—8.15 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 880.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for the periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 880.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 7.42 feet, September 16; minimum gage-height, 1.28 feet, August 9, 10, 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15* DATUM 880.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	3.8	e9.0	7.7	10	14	8.7	5.9	5.0	30	3.7	4.9
2	3.2	3.7	e8.0	7.4	12	13	7.9	20	4.4	31	4.4	43
3	3.2	3.7	7.7	e7.0	16	12	7.5	12	4.0	18	4.2	12
4	3.2	3.6	11	e7.0	13	12	7.2	8.4	3.9	34	3.8	7.7
5	3.2	13	11	e17	11	12	6.9	6.7	3.5	20	3.9	5.8
6	3.2	16	9.5	16	49	13	6.8	5.9	3.4	13	4.1	4.8
7	3.5	9.1	8.5	12	31	12	6.8	5.4	3.7	10	3.6	183
8	3.7	6.5	8.2	10	23	11	6.8	4.9	5.9	8.6	3.3	100
9	3.6	5.2	7.6	12	18	11	6.7	5.0	5.5	7.6	3.1	50
10	3.7	4.5	21	11	15	10	6.4	4.9	4.8	7.1	3.1	32
11	3.7	4.2	17	9.4	14	10	6.8	4.9	4.1	6.1	3.1	18
12	3.8	4.1	e10	8.9	50	9.8	7.3	22	3.6	5.8	22	13
13	3.5	3.9	e10	8.5	25	9.6	18	24	8.0	5.7	11	9.8
14	3.4	3.7	e21	8.1	29	9.5	12	11	39	5.6	8.5	7.7
15	3.2	3.7	e15	8.0	34	9.4	9.6	7.5	18	6.1	6.5	6.7
16	3.0	3.9	11	7.7	26	10	8.6	6.0	28	5.1	5.1	87
17	3.4	4.4	13	7.3	22	9.4	7.6	5.3	79	5.0	4.4	94
18	3.8	4.5	11	11	18	9.1	6.9	5.4	23	5.2	4.0	49
19	3.5	48	9.5	9.5	16	8.9	6.4	5.5	15	4.9	3.6	31
20	3.2	19	8.7	8.3	14	8.5	5.9	4.9	9.7	4.5	3.8	18
21	3.1	13	8.1	7.7	14	8.6	5.8	4.5	7.4	4.2	3.7	12
22	3.0	9.4	7.9	7.5	13	7.9	5.6	33	7.2	3.9	3.7	9.4
23	2.9	e8.0	7.9	7.2	12	7.7	5.5	16	14	3.7	3.6	8.4
24	3.0	e9.0	14	7.1	13	7.7	5.3	8.7	15	3.5	3.4	8.0
25	2.8	e8.0	10	48	13	7.7	5.0	6.4	12	3.5	5.4	7.2
26	20	e7.0	9.0	44	19	7.7	5.8	5.1	12	24	4.4	6.4
27	16	e10	8.4	27	21	7.7	5.7	4.5	28	13	3.7	54
28	9.8	e24	7.9	20	18	7.6	5.0	4.1	36	9.2	3.4	72
29	6.5	e15	7.8	15	16	7.4	4.9	4.0	27	5.0	3.5	35
30	4.7	e10	8.7	13	---	10	5.0	4.0	21	4.5	5.2	21
31	4.1	---	8.0	12	---	9.3	---	5.7	---	3.8	5.6	---
TOTAL	144.2	281.9	325.4	402.3	585	303.5	214.4	271.6	451.1	311.6	154.8	1010.8
MEAN	4.65	9.40	10.5	13.0	20.2	9.79	7.15	8.76	15.0	10.1	4.99	33.7
MAX	20	48	21	48	50	14	18	33	79	34	22	183
MIN	2.8	3.6	7.6	7.0	10	7.4	4.9	4.0	3.4	3.5	3.1	4.8
CFSM	0.57	1.15	1.29	1.59	2.48	1.20	0.88	1.08	1.84	1.23	0.61	4.13
IN.	0.66	1.29	1.49	1.84	2.67	1.39	0.98	1.24	2.06	1.42	0.71	4.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	7.63	11.8	12.1	12.3	18.9	24.8	10.7	18.2	19.5	18.1	5.75	15.2
MAX	15.8	23.3	21.8	13.5	22.4	41.7	15.3	45.0	29.8	48.7	13.4	33.7
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2004
MIN	2.41	2.67	4.06	10.6	14.2	9.79	7.15	5.47	8.44	3.25	0.90	5.00
(WY)	2002	2002	2002	2002	2002	2004	2004	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	7970.8		4456.6			
ANNUAL MEAN	21.8		12.2		18.5	
HIGHEST ANNUAL MEAN					24.9	2003
LOWEST ANNUAL MEAN					12.2	2004
HIGHEST DAILY MEAN	337	Mar 20	183	Sep 7	337	Mar 20 2003
LOWEST DAILY MEAN	2.8	Oct 25	2.8	Oct 25	0.50	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	3.1	Oct 19	3.1	Oct 19	0.58	Sep 6 2002
MAXIMUM PEAK FLOW			406	Sep 16	772	Mar 15 2001
MAXIMUM PEAK STAGE			7.42	Sep 16	9.10	Mar 20 2003
ANNUAL RUNOFF (CFSM)	2.68		1.49		2.27	
ANNUAL RUNOFF (INCHES)	36.38		20.34		30.89	
10 PERCENT EXCEEDS	40		23		36	
50 PERCENT EXCEEDS	13		7.9		11	
90 PERCENT EXCEEDS	4.1		3.7		4.0	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15* DATUM 880.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.37	1.41	---	1.51	1.60	1.66	1.52	1.42	1.40	1.96	1.34	1.40
2	1.37	1.41	---	1.50	1.64	1.64	1.50	1.77	1.37	1.98	1.37	2.15
3	1.36	1.40	1.51	---	1.74	1.63	1.48	1.61	1.35	1.78	1.36	1.64
4	1.37	1.40	1.61	---	1.67	1.62	1.47	1.51	1.34	2.00	1.34	1.51
5	1.36	1.59	1.61	---	1.62	1.61	1.46	1.45	1.33	1.80	1.34	1.44
6	1.36	1.78	1.57	1.74	2.21	1.65	1.46	1.42	1.32	1.67	1.36	1.39
7	1.39	1.62	1.54	1.64	1.96	1.63	1.46	1.40	1.33	1.60	1.33	4.40
8	1.40	1.54	1.53	1.58	1.84	1.59	1.46	1.38	1.44	1.54	1.31	2.99
9	1.40	1.48	1.51	1.64	1.76	1.58	1.46	1.38	1.42	1.51	1.30	2.27
10	1.40	1.45	1.80	1.60	1.70	1.57	1.45	1.38	1.39	1.49	1.30	2.01
11	1.41	1.43	1.75	1.57	1.66	1.57	1.46	1.38	1.36	1.45	1.30	1.77
12	1.41	1.43	---	1.55	2.24	1.56	1.47	1.68	1.33	1.44	1.76	1.65
13	1.39	1.42	---	1.53	1.88	1.55	1.75	1.85	1.45	1.44	1.62	1.58
14	1.39	1.41	---	1.52	1.94	1.55	1.63	1.59	2.08	1.43	1.54	1.51
15	1.37	1.41	---	1.52	2.01	1.54	1.55	1.48	1.76	1.45	1.47	1.48
16	1.36	1.42	1.63	1.51	1.90	1.56	1.52	1.43	1.92	1.41	1.41	2.77
17	1.39	1.45	1.66	1.50	1.82	1.54	1.49	1.40	2.73	1.41	1.38	2.88
18	1.41	1.45	1.61	1.62	1.75	1.54	1.46	1.40	1.87	1.41	1.35	2.25
19	1.39	2.22	1.57	1.57	1.71	1.53	1.44	1.41	1.71	1.40	1.33	1.98
20	1.38	1.80	1.54	1.53	1.68	1.52	1.42	1.38	1.57	1.38	1.34	1.78
21	1.37	1.67	1.52	1.51	1.66	1.52	1.42	1.36	1.50	1.36	1.34	1.64
22	1.36	1.56	1.52	1.50	1.64	1.50	1.41	1.88	1.49	1.35	1.33	1.56
23	1.35	---	1.52	1.49	1.63	1.49	1.41	1.72	1.67	1.33	1.33	1.53
24	1.36	---	1.69	1.49	1.65	1.49	1.40	1.54	1.72	1.32	1.32	1.52
25	1.35	---	1.60	2.18	1.65	1.49	1.39	1.46	1.63	1.32	1.40	1.49
26	1.72	---	1.55	2.18	1.78	1.49	1.42	1.41	1.65	1.86	1.37	1.46
27	1.79	---	1.53	1.93	1.81	1.49	1.41	1.38	1.86	1.66	1.34	2.25
28	1.65	---	1.52	1.81	1.76	1.49	1.38	1.36	2.06	1.55	1.32	2.59
29	1.54	---	1.51	1.72	1.70	1.48	1.38	1.35	1.92	1.41	1.32	2.06
30	1.46	---	1.54	1.67	---	1.56	1.38	1.35	1.83	1.38	1.38	1.83
31	1.43	---	1.52	1.63	---	1.54	---	1.43	---	1.34	1.42	---
MEAN	1.42	---	---	---	1.78	1.55	1.46	1.48	1.63	1.53	1.38	1.96
MAX	1.79	---	---	---	2.24	1.66	1.75	1.88	2.73	2.00	1.76	4.40
MIN	1.35	---	---	---	1.60	1.48	1.38	1.35	1.32	1.32	1.30	1.39

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15* DATUM 880.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	1.18	0.00	1.43
2	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.57	0.00	0.10	0.00	0.27
3	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.44	0.00	0.01	0.00	0.00	0.00	0.00	0.63	0.00	0.00
5	0.00	1.19	0.01	0.66	0.02	0.00	0.00	0.00	0.00	0.01	0.21	0.00
6	0.04	0.05	0.00	0.00	1.15	0.14	0.00	0.00	0.00	0.00	0.00	0.22
7	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.01	0.00	4.24
8	0.07	0.00	0.00	0.05	0.00	0.00	0.03	0.30	0.03	0.00	0.00	0.03
9	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.09	0.22	0.15	0.00	0.00
10	0.05	0.00	0.80	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.03	0.00	0.00	0.00	0.18	0.00	0.07	0.02	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.97	0.00	0.34	0.80	0.18	0.07	1.24	0.00
13	0.00	0.00	0.48	0.00	0.00	0.00	0.38	0.00	1.09	0.00	0.00	0.00
14	0.01	0.00	0.26	0.00	0.53	0.00	0.00	0.00	1.40	0.33	0.00	0.00
15	0.00	0.00	0.01	0.00	0.42	0.00	0.00	0.00	0.20	0.00	0.00	0.00
16	0.00	0.00	0.05	0.00	0.00	0.09	0.00	0.00	1.30	0.00	0.00	2.96
17	0.18	0.10	0.15	0.20	0.00	0.00	0.00	---	0.01	0.07	0.00	0.20
18	0.00	0.48	0.00	0.16	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
19	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.13	0.00
21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.06	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.60	0.00	0.03	0.00
23	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
24	0.00	0.19	0.00	0.00	0.16	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	1.88	0.18	0.00	0.00	0.00	0.09	0.81	0.86	0.00
26	1.99	0.01	0.00	0.02	0.09	0.00	0.18	0.00	0.00	0.23	0.00	0.00
27	0.01	0.64	0.00	0.02	0.53	0.00	0.00	0.00	0.90	0.19	0.00	2.39
28	0.00	0.32	0.01	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.02
29	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.08	0.00	0.29	0.16	0.00
30	0.00	0.00	0.07	0.00	---	0.32	0.03	0.00	0.56	0.02	1.28	0.00
31	0.00	---	0.00	0.00	---	0.04	---	0.38	---	0.00	0.00	---
TOTAL	2.40	3.87	2.82	3.24	4.78	0.64	1.03	---	7.80	4.09	3.91	11.76

ALTAMAHA RIVER BASIN
2004 Water Year

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA

LOCATION.—Lat 33°49'17", long 83°56'33", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 0307103, at concrete box culvert on Beaver Road, 2.6 miles southwest of Loganville, and 3.4 miles upstream of Big Haynes Creek.

DRAINAGE AREA.—8.15 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—March 1, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: March 1, 2001 to current year.
WATER TEMPERATURE: March 1, 2001 to current year.
TURBIDITY: March 1, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 88 microsiemens, August 29, 2003; minimum recorded, 13 microsiemens, March 20, 2003.
WATER TEMPERATURE: Maximum recorded, 27.7°C, July 27, 2001; minimum recorded, 1.6°C, January 4, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, <5.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 57 microsiemens, October 26; minimum recorded, 20 microsiemens, February 15.
WATER TEMPERATURE: Maximum recorded, 27.6°C, June 19; minimum recorded, 3.5°C, January 28.
TURBIDITY: Maximum recorded, >2,200 NTU, November 19, June 17; minimum recorded, <5.0 NTU, August 23.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	47	46	46	47	45	46	46	44	45	44	44	44
2	48	46	46	47	46	47	46	44	45	44	44	44
3	48	45	46	49	46	47	46	45	45	44	44	44
4	47	46	46	52	47	49	46	42	45	44	44	44
5	47	46	47	50	35	47	45	43	44	44	33	43
6	48	46	47	42	40	41	45	42	43	43	42	43
7	48	46	47	43	41	41	45	42	44	44	38	43
8	49	46	47	46	42	44	45	42	44	44	38	43
9	49	46	46	47	43	46	45	41	44	44	38	42
10	47	44	46	48	46	47	44	40	42	44	41	43
11	46	46	46	49	45	47	45	41	42	44	41	43
12	48	46	46	47	43	45	43	34	40	44	42	43
13	48	46	47	43	41	42	40	36	38	44	42	43
14	48	47	48	41	41	41	42	36	40	44	41	43
15	49	46	48	42	41	41	42	35	38	44	42	43
16	50	46	47	41	41	41	40	35	37	44	42	43
17	50	46	47	42	41	42	43	37	40	44	42	43
18	48	45	47	42	40	42	41	39	40	43	40	42
19	51	46	48	46	31	43	44	40	42	43	41	42
20	48	46	47	47	39	45	46	44	45	43	42	43
21	48	46	47	46	45	45	46	43	45	44	42	43
22	50	47	48	47	46	46	46	44	45	44	37	43
23	51	47	48	47	46	46	46	42	45	44	39	42
24	50	45	48	47	46	46	44	41	43	41	37	40
25	52	45	49	47	45	46	44	43	44	42	36	39
26	57	43	51	47	46	46	44	44	44	42	39	41
27	---	---	---	55	41	46	44	44	44	---	---	---
28	---	---	---	50	45	47	44	44	44	41	41	41
29	---	---	---	50	46	48	45	44	44	42	41	42
30	48	44	46	47	42	46	44	43	44	42	42	42
31	47	45	47	---	---	---	44	44	44	43	42	42
MONTH	---	---	---	55	31	45	46	34	43	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	42	42	42	---	---	---	54	34	42	49	46	48
2	42	41	42	---	---	---	37	32	35	53	38	44
3	43	42	42	---	---	---	42	34	40	52	48	49
4	43	42	43	---	---	---	43	38	41	50	46	48
5	43	42	43	---	---	---	45	42	43	49	45	46
6	44	33	40	---	---	---	44	42	43	49	46	47
7	40	37	39	---	---	---	44	43	44	48	46	47
8	40	39	40	---	---	---	44	43	44	49	46	47
9	41	40	41	---	---	---	46	43	44	48	47	47
10	41	41	41	---	---	---	46	44	45	50	47	48
11	42	41	42	---	---	---	47	44	45	49	47	48
12	41	27	33	43	38	41	47	43	45	51	32	46
13	27	24	26	42	38	41	47	42	44	45	38	43
14	26	23	25	42	37	41	44	43	44	47	44	46
15	39	20	31	42	39	41	45	34	44	47	46	46
16	40	39	39	43	39	41	45	43	43	48	46	47
17	39	39	39	42	39	41	44	43	43	49	47	48
18	40	39	39	42	40	41	46	43	44	50	47	49
19	39	36	38	43	40	42	47	44	46	50	49	49
20	37	36	36	43	40	42	48	45	46	50	49	49
21	36	35	36	43	39	42	48	45	47	53	49	50
22	37	36	36	44	41	43	49	46	47	51	37	46
23	41	36	39	43	42	43	47	45	46	47	44	45
24	42	41	41	45	42	43	49	45	47	48	46	47
25	41	41	41	45	42	43	51	46	48	49	47	48
26	41	39	40	45	38	42	49	47	48	51	48	49
27	---	---	---	43	41	42	51	47	48	52	49	51
28	---	---	---	45	38	42	50	47	48	54	50	52
29	---	---	---	48	43	45	48	47	47	53	50	52
30	---	---	---	46	30	41	49	47	48	56	51	52
31	---	---	---	53	36	42	---	---	---	56	49	53
MONTH	---	---	---	---	---	---	54	32	45	56	32	48

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	53	50	51	42	30	40	49	48	49	51	40	45
2	51	50	51	40	36	39	50	49	49	40	30	36
3	51	50	50	41	40	41	50	49	49	41	39	40
4	51	50	50	42	30	39	50	49	50	43	41	42
5	51	50	50	46	37	42	50	48	49	45	42	44
6	51	50	50	46	43	44	50	49	49	46	41	45
7	53	47	50	46	44	46	51	48	49	44	28	33
8	51	48	49	48	45	46	50	48	49	37	33	35
9	49	48	48	48	45	46	50	47	49	38	36	37
10	49	48	48	47	45	46	49	47	48	40	37	39
11	50	48	49	48	46	47	48	47	48	44	39	41
12	50	49	49	48	46	47	49	33	42	45	42	44
13	51	31	48	49	46	47	42	40	41	45	43	44
14	44	29	39	49	43	48	43	38	41	48	45	47
15	45	39	43	45	43	44	42	39	41	47	46	46
16	46	25	43	45	44	45	44	41	42	47	26	42
17	39	24	36	45	44	45	46	44	45	33	31	32
18	42	39	40	46	45	45	46	46	46	37	33	35
19	44	42	43	46	45	46	47	46	46	40	37	39
20	47	44	45	46	45	46	47	46	46	41	39	40
21	48	45	47	47	45	46	47	46	46	42	39	41
22	51	43	49	48	47	47	47	45	46	43	42	43
23	45	34	41	48	47	48	47	46	47	44	42	43
24	46	40	43	49	48	48	48	46	47	44	42	43
25	47	45	45	49	40	48	47	39	45	44	42	43
26	46	43	44	44	35	42	46	43	45	45	44	45
27	50	35	42	46	43	44	47	46	46	45	32	41
28	41	37	40	55	45	51	47	46	46	35	32	33
29	41	39	40	50	46	48	47	46	46	36	33	35
30	42	38	41	48	46	48	47	39	46	39	35	37
31	---	---	---	49	48	48	46	40	42	---	---	---
MONTH	53	24	45	55	30	45	51	33	46	51	26	40

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.9	15.2	16.9	18.2	14.1	16.1	11.3	7.7	9.3	10.5	6.2	8.2
2	17.7	14.7	16.2	18.3	14.4	16.3	11.0	7.6	9.2	11.5	8.0	9.7
3	16.9	13.8	15.4	18.1	14.3	16.2	9.1	8.2	8.6	13.0	9.6	11.2
4	18.7	14.4	16.5	18.8	16.9	17.8	8.4	7.1	7.4	13.9	11.1	12.4
5	19.4	15.5	17.4	20.4	18.3	19.1	8.3	7.3	7.8	14.2	11.0	13.2
6	19.3	17.5	18.3	21.2	19.4	20.1	8.9	6.9	7.6	11.0	7.3	9.2
7	19.4	18.1	18.7	20.8	18.8	19.7	9.0	5.8	7.3	7.3	5.1	6.2
8	19.9	18.3	19.0	18.9	16.9	17.8	9.5	5.8	7.4	6.6	4.7	5.7
9	19.9	18.7	19.2	16.9	14.4	15.9	10.3	6.5	8.3	7.1	6.0	6.5
10	19.9	18.8	19.2	14.9	12.4	13.7	10.7	8.7	9.9	6.7	5.2	6.3
11	18.9	18.3	18.5	15.9	12.0	13.8	9.1	7.6	8.2	7.4	4.0	5.5
12	20.8	18.0	19.2	17.6	13.3	15.4	9.3	6.5	7.8	8.6	4.5	6.3
13	20.8	17.2	19.0	16.7	11.5	14.3	8.2	7.0	7.5	9.9	6.5	8.0
14	20.7	17.6	19.7	12.6	9.5	11.1	7.6	6.4	7.0	10.6	6.5	8.5
15	17.7	15.1	16.4	13.7	10.0	11.8	8.8	5.9	7.1	10.5	8.2	9.5
16	17.1	13.1	15.2	15.3	11.0	13.1	9.8	6.1	7.9	10.0	6.3	8.0
17	16.0	13.3	14.8	16.9	14.5	15.6	9.5	7.2	8.5	8.9	6.6	7.8
18	17.0	13.5	15.3	17.4	15.2	16.3	9.0	6.0	7.4	10.8	8.4	9.4
19	17.6	13.5	15.5	17.4	15.2	16.7	8.6	6.5	7.5	9.6	6.6	8.2
20	18.1	14.2	16.1	16.1	13.7	14.8	7.0	4.9	5.9	8.1	4.7	6.3
21	18.8	14.5	16.7	16.1	12.6	14.1	7.3	4.0	5.5	7.9	4.7	6.2
22	18.1	15.8	17.1	15.8	11.9	13.7	8.4	4.3	6.2	8.7	5.2	6.8
23	17.4	14.0	15.8	15.5	11.7	13.6	9.8	5.6	7.6	7.7	4.7	6.3
24	17.2	14.2	15.7	14.3	10.8	13.4	9.6	7.2	8.9	10.0	4.7	7.1
25	17.6	14.7	16.1	11.9	8.8	10.3	8.0	5.6	6.7	8.9	5.9	7.7
26	17.3	16.5	16.9	12.8	8.8	10.6	8.7	5.4	6.9	5.9	5.6	5.7
27	17.4	15.8	17.1	12.6	11.3	11.9	9.3	5.3	7.1	7.3	5.3	6.0
28	15.8	14.3	15.1	13.5	10.0	12.4	9.4	5.7	7.3	6.3	3.5	4.9
29	16.7	13.7	15.1	10.0	8.1	9.0	10.1	6.9	8.5	7.1	3.9	5.3
30	17.3	13.1	15.1	10.5	7.1	8.6	10.2	7.8	9.3	8.6	5.2	6.7
31	17.7	13.7	15.6	---	---	---	9.8	6.2	7.8	8.1	5.1	6.5
MONTH	20.8	13.1	16.9	21.2	7.1	14.4	11.3	4.0	7.7	14.2	3.5	7.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.3	5.2	6.6	14.0	8.9	11.1	16.3	10.7	13.1	19.7	17.7	18.6
2	7.0	5.3	6.1	15.2	12.1	13.4	16.1	10.7	13.2	20.6	18.2	19.3
3	8.5	5.3	6.6	16.9	13.0	14.7	17.9	10.8	14.1	18.5	15.9	17.1
4	8.7	5.2	6.7	17.3	14.0	15.4	16.8	11.6	13.8	18.8	13.7	16.2
5	6.9	6.4	6.7	17.3	14.6	15.8	17.1	10.3	13.4	20.4	14.4	17.4
6	7.5	6.3	6.8	18.2	15.1	16.4	18.0	10.9	14.2	21.5	16.5	19.0
7	7.4	5.5	6.4	17.8	13.1	15.1	18.5	11.9	15.1	21.9	17.2	19.7
8	7.5	4.3	5.8	14.6	10.8	12.5	18.6	14.1	16.0	22.5	17.9	20.3
9	7.6	5.8	6.5	13.7	9.5	11.4	19.4	13.4	16.2	22.3	19.2	20.8
10	8.2	5.9	7.1	13.9	8.8	11.2	18.0	12.5	15.4	22.1	18.5	20.5
11	9.0	7.3	8.1	14.6	8.3	11.3	18.2	14.7	16.4	22.0	19.7	20.9
12	8.4	6.8	7.5	14.9	9.7	12.0	16.9	14.9	15.9	22.0	19.6	20.7
13	10.2	7.4	8.5	15.1	9.6	12.0	15.7	12.5	14.6	22.6	21.0	21.6
14	9.1	8.5	8.9	16.3	10.9	13.3	15.3	11.3	13.0	22.6	20.5	21.5
15	9.4	8.6	8.9	16.6	13.6	14.8	18.0	11.1	14.2	23.1	19.7	21.4
16	8.6	7.6	8.1	17.7	13.9	15.4	19.4	12.4	15.7	22.5	19.9	21.2
17	8.6	7.0	7.7	16.7	11.9	13.9	20.3	13.6	16.8	22.7	19.7	21.2
18	10.6	6.4	8.2	15.9	11.0	13.4	21.3	14.8	17.9	21.9	19.9	20.9
19	11.6	6.7	8.9	18.6	11.7	14.8	21.3	15.7	18.5	22.3	20.1	21.1
20	10.7	7.6	9.2	18.4	12.8	15.3	21.2	16.6	18.8	23.5	19.7	21.6
21	12.9	9.8	11.0	17.0	12.0	15.1	19.9	16.5	18.2	23.8	20.5	22.2
22	12.7	8.0	10.1	14.5	9.3	11.6	20.7	15.6	18.2	22.9	21.0	22.1
23	10.6	8.7	9.7	14.5	8.0	11.0	21.2	16.5	18.9	24.9	21.5	23.1
24	10.8	9.5	10.1	16.1	9.0	12.2	21.6	16.9	19.3	24.9	21.1	23.0
25	10.4	8.7	9.7	17.8	10.7	13.9	21.7	17.6	19.7	25.3	22.2	23.6
26	8.7	5.4	6.4	19.4	12.5	15.7	20.4	17.0	18.7	25.0	22.0	23.5
27	8.2	5.9	6.8	19.5	13.2	16.2	17.9	14.8	16.5	24.4	21.6	23.0
28	10.7	5.8	7.9	20.7	13.9	17.1	17.7	12.9	15.5	23.8	21.5	22.7
29	11.4	6.8	8.9	19.7	15.9	17.3	18.6	14.6	16.7	23.0	21.4	22.2
30	---	---	---	19.9	15.1	17.0	18.5	17.3	17.9	24.1	21.0	22.6
31	---	---	---	16.4	12.5	14.7	---	---	---	23.7	21.8	22.7
MONTH	12.9	4.3	7.9	20.7	8.0	14.0	21.7	10.3	16.2	25.3	13.7	21.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.4	20.6	21.4	24.6	23.2	23.8	25.7	23.2	24.4	23.9	22.8	23.4
2	22.7	19.2	21.0	25.1	23.1	23.9	26.3	24.2	25.3	24.4	22.7	23.8
3	22.7	19.5	21.2	25.9	23.4	24.5	26.3	23.3	24.9	24.5	23.0	23.6
4	23.0	20.8	21.9	25.8	23.4	24.3	26.1	23.4	24.8	24.2	22.4	23.3
5	22.2	19.2	21.0	26.5	23.3	24.8	24.9	22.8	24.0	24.0	22.3	23.2
6	22.8	20.3	21.6	26.6	23.6	25.0	24.4	22.7	23.6	23.2	22.4	22.7
7	22.1	20.6	21.4	26.4	23.1	24.8	22.7	20.4	21.7	22.7	22.1	22.5
8	22.5	21.2	21.7	26.2	23.2	24.7	22.4	19.1	20.9	22.8	22.3	22.6
9	23.2	21.4	22.2	25.7	23.1	24.4	22.5	19.5	21.1	24.2	21.7	22.9
10	24.6	21.8	23.1	26.2	23.1	24.6	21.8	20.4	21.2	24.6	22.4	23.4
11	25.1	22.2	23.7	26.3	23.2	24.7	22.6	19.8	21.2	24.2	22.4	23.3
12	25.4	22.6	24.1	25.9	23.3	24.6	24.0	21.1	22.7	24.3	21.8	22.9
13	24.9	23.1	23.8	26.7	23.7	25.0	24.0	21.2	22.5	23.0	21.5	22.3
14	24.8	23.5	24.2	26.3	23.1	24.6	24.0	21.1	22.5	22.7	20.4	21.4
15	25.6	23.8	24.5	25.5	23.0	24.1	24.2	22.3	23.0	21.4	20.6	21.0
16	26.4	23.7	24.7	24.7	21.5	23.1	24.4	22.3	23.2	22.9	21.3	21.8
17	27.0	23.8	25.3	24.6	22.6	23.6	24.6	21.6	23.1	23.0	22.0	22.4
18	27.3	24.9	26.0	25.5	22.7	23.9	24.3	21.7	23.2	23.6	21.0	22.2
19	27.6	24.8	26.1	25.2	22.0	23.6	24.6	21.4	23.1	22.3	20.1	21.2
20	26.8	24.0	25.4	25.1	21.6	23.4	24.7	22.2	23.5	21.1	18.9	20.0
21	25.4	23.4	24.3	24.9	21.9	23.5	24.3	22.9	23.6	21.0	18.2	19.5
22	25.3	22.8	23.9	25.0	22.2	23.7	24.4	22.6	23.6	21.3	18.0	19.6
23	24.9	23.0	23.9	25.4	22.8	24.2	24.1	22.8	23.5	22.5	18.4	20.3
24	24.7	23.2	24.0	25.4	23.1	24.4	24.0	22.2	23.3	22.6	19.7	21.0
25	25.2	23.4	24.2	24.8	23.2	24.0	25.0	22.8	23.7	22.2	19.7	20.8
26	25.5	23.4	24.4	26.2	23.4	25.1	24.5	22.4	23.5	21.7	19.0	20.3
27	24.5	23.3	23.9	26.2	24.6	25.4	24.6	22.5	23.6	20.9	19.8	20.3
28	25.1	23.5	24.2	26.6	24.5	25.4	24.7	22.7	23.8	22.3	20.2	21.1
29	25.6	23.2	24.4	25.2	23.5	24.4	24.3	23.1	23.7	22.2	20.4	21.2
30	25.0	23.8	24.2	25.2	23.6	24.4	24.7	22.3	23.4	22.2	19.4	20.7
31	---	---	---	25.3	23.2	24.3	24.6	22.8	23.8	---	---	---
MONTH	27.6	19.2	23.5	26.7	21.5	24.3	26.3	19.1	23.2	24.6	18.0	21.8
YEAR	27.6	3.5	16.6									

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17	11	12	27	9.5	12	30	16	20	45	28	32
2	20	11	12	22	8.6	11	34	15	18	77	42	48
3	34	11	14	39	8.8	10	27	13	16	88	60	69
4	20	10	12	28	8.2	10	34	16	23	106	69	83
5	18	9.7	11	484	8.0	10	24	14	17	216	71	106
6	23	10	14	170	32	42	18	11	13	175	31	47
7	24	12	14	40	20	28	19	9.9	12	63	24	33
8	24	12	14	28	14	19	22	10	13	39	18	21
9	40	11	13	24	12	15	19	8.7	11	34	19	24
10	23	10	14	25	10	12	282	11	56	30	15	19
11	23	11	12	16	9.2	12	46	23	28	29	14	16
12	57	9.5	12	21	10	12	25	17	21	29	12	15
13	15	9.7	12	29	9.8	12	35	15	18	25	12	14
14	13	8.7	10	34	8.6	11	130	27	36	20	12	14
15	30	10	15	36	8.1	11	30	19	23	24	12	15
16	25	8.5	10	21	8.8	11	40	16	20	26	12	16
17	18	7.9	11	20	9.4	11	37	18	21	22	12	14
18	20	9.1	12	84	8.4	11	27	13	16	60	16	24
19	21	7.7	9.8	>2200	68	106	23	12	14	28	13	17
20	14	7.4	9.3	83	53	58	20	11	14	24	12	14
21	14	7.7	9.0	58	35	40	18	9.8	12	29	11	14
22	28	7.3	8.8	43	24	28	20	9.3	11	24	10	13
23	17	6.9	8.7	27	19	23	101	9.8	12	23	11	13
24	15	8.2	10	28	20	22	92	21	27	37	11	13
25	29	7.7	10	27	15	18	30	14	17	299	14	142
26	895	8.1	29	23	14	16	23	12	15	135	64	82
27	157	40	51	208	13	18	22	11	13	74	42	49
28	54	30	39	105	40	54	18	10	13	52	30	34
29	34	18	24	41	26	31	19	11	14	36	25	29
30	29	14	18	30	20	22	221	14	19	31	20	24
31	27	11	14	---	---	---	54	22	28	32	18	22
MAX	895	40	51	2200	68	106	282	27	56	299	71	142
MIN	13	6.9	8.7	16	8.0	10	18	8.7	11	20	10	13

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	26	16	19	25	14	17	28	14	18	30	14	18
2	85	16	22	24	15	18	30	15	18	557	20	66
3	67	20	25	39	16	19	38	15	18	52	28	37
4	22	16	18	24	16	19	30	14	17	45	20	24
5	25	14	18	31	16	19	35	12	15	26	16	20
6	415	14	92	42	19	24	31	12	16	22	15	17
7	91	49	58	34	18	23	26	12	14	21	14	17
8	56	37	41	84	17	21	19	12	14	34	14	18
9	40	29	32	41	19	23	33	14	16	32	14	17
10	33	23	26	24	14	16	34	12	16	31	14	16
11	26	20	22	22	14	16	32	13	17	37	15	21
12	308	25	76	28	13	16	88	12	16	987	22	29
13	61	42	48	21	13	16	220	43	69	570	41	71
14	90	41	58	25	13	15	50	26	33	57	26	33
15	111	38	53	19	12	15	105	26	40	35	18	22
16	51	33	38	20	12	15	47	20	26	26	16	19
17	36	28	32	22	12	14	55	18	21	21	15	17
18	31	24	27	22	13	15	48	15	20	42	16	18
19	32	22	24	25	12	15	54	14	17	42	15	19
20	35	20	22	19	12	14	20	13	15	25	13	16
21	28	18	22	22	12	14	20	14	16	25	13	15
22	27	18	21	20	12	14	27	14	16	710	15	40
23	28	17	20	19	12	14	26	14	17	104	30	44
24	27	19	21	162	12	14	40	14	17	34	19	22
25	26	18	20	17	12	14	47	15	18	32	16	18
26	92	20	32	17	11	13	48	16	20	25	13	17
27	50	26	31	38	12	14	33	13	16	38	13	16
28	32	19	23	31	11	14	31	14	16	23	12	16
29	28	16	19	26	11	14	33	13	15	32	11	14
30	---	---	---	38	14	23	50	13	16	19	12	14
31	---	---	---	28	14	18	---	---	---	82	15	26
MAX	415	49	92	162	19	24	220	43	69	987	41	71
MIN	22	14	18	17	11	13	19	12	14	19	11	14

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	30	15	20	527	26	37	25	8.4	12	42	7.3	8.9
2	25	14	17	150	32	46	23	8.4	11	356	33	53
3	37	12	15	37	22	25	21	8.0	11	39	15	19
4	37	12	15	508	17	24	19	7.3	9.9	20	9.5	12
5	23	12	15	69	24	29	24	8.1	12	14	7.2	9.2
6	31	11	14	26	16	20	17	6.7	9.6	16	6.0	7.6
7	57	12	15	22	14	18	28	7.5	9.6	868	10	193
8	55	19	26	22	13	16	20	7.0	9.9	212	100	139
9	34	16	19	31	12	17	22	7.4	10	102	69	79
10	20	13	15	27	11	14	19	7.1	8.9	73	39	48
11	26	12	15	39	12	15	17	7.5	9.4	50	21	28
12	118	12	16	40	12	14	344	9.5	83	28	16	20
13	624	12	18	39	10	13	54	22	29	22	12	14
14	508	82	171	77	10	13	24	14	16	16	10	13
15	235	49	82	24	11	14	20	11	14	15	9.9	12
16	739	32	49	34	11	15	17	9.2	12	393	11	35
17	>2200	81	139	24	10	14	16	7.2	10	230	81	104
18	81	46	54	47	11	16	19	6.7	9.2	83	52	62
19	51	26	32	30	12	16	20	6.4	9.0	52	32	41
20	30	19	22	47	12	16	16	6.4	9.8	43	24	30
21	30	16	19	52	12	17	11	5.9	7.6	32	18	24
22	152	16	19	55	12	16	14	6.1	7.7	---	---	---
23	216	20	33	54	11	16	14	<5.0	7.0	---	---	---
24	96	30	37	55	11	16	15	5.5	6.9	---	---	---
25	37	22	26	157	9.0	14	230	6.0	7.8	---	---	---
26	48	26	35	365	32	78	16	6.3	7.5	---	---	---
27	428	18	26	37	21	25	18	6.9	8.3	---	---	---
28	307	67	84	48	18	25	12	5.4	8.0	165	46	70
29	68	39	44	32	11	17	18	5.2	7.7	51	32	42
30	168	28	39	24	9.1	12	184	6.2	8.8	33	20	27
31	---	---	---	40	8.7	12	81	7.0	9.1	---	---	---
MAX	2200	82	171	527	32	78	344	22	83	---	---	---
MIN	20	11	14	22	8.7	12	11	5.0	6.9	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA

LOCATION.—Lat 33°49'17", long 83°56'33" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 0307103, at concrete box culvert on Beaver Road, 2.6 miles southwest of Loganville, and 3.4 miles upstream of Big Haynes Creek.

DRAINAGE AREA.—8.15 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 12, 1996 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Color, water, fltrd, Pt-Co units (00080)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)
OCT													
06...	1110	--	9	81213	3.4	1.37	50	--	11	<.1	7	2.30	8
NOV													
18-19	2340	0657	J	81213	--	--	160	--	270	4.6	24	1.80	6
DEC													
02...	1400	--	9	81213	8.0	1.52	70	--	13	1.0	6	2.50	9
FEB													
12-12	0549	0922	J	81213	--	--	E160	--	200	2.9	16	1.90	7
MAR													
04...	1040	--	9	81213	12	1.62	80	--	14	E.7	5	2.40	9
25...	1200	--	9	81213	8.0	1.50	60	--	13	.8	5	2.30	8
APR													
13-13	0034	1342	J	81213	--	--	160	--	95	2.6	29	2.40	9
MAY													
22-22	1327	1607	J	81213	--	--	E320	--	430	--	29	2.00	7
27...	1120	--	9	81213	4.3	1.37	80	--	17	1.4	11	2.80	10
JUL													
12...	1200	--	9	81213	5.6	1.43	80	--	12	1.0	<5	3.30	11
JUL													
26-26	0209	0529	J	80855	--	--	--	150	260	5.9	E14	2.20	10
AUG													
12-12	1005	1508	J	80855	--	--	--	140	200	6.6	20	2.10	9

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Loss on ig-nition, from ROE, wat unf mg/L (00505)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)
OCT													
06...	.59	.69	--	31	3	2	.32	.320	A.048	.30	<.02	<.02	<.5
NOV													
18-19	.47	.95	--	28	320	53	.29	.290	A.055	1.5	.02	.23	<.5
DEC													
02...	.62	.68	--	42	5	2	.34	.340	A.089	.30	<.02	.04	<.5
FEB													
12-12	.46	.95	--	21	227	30	.35	.350	A.060	.90	<.02	.18	<.5
MAR													
04...	.62	.66	--	33	12	4	.45	.460	A.078	.40	<.02	.02	<.5
25...	.60	.63	--	36	7	3	.39	.380	A.049	.30	<.02	.02	<.5
APR													
13-13	.62	.73	--	47	93	15	.36	.350	A.095	.90	<.02	.10	<.5
MAY													
22-22	.46	1.30	--	36	516	72	.46	.460	A.239	3.0	<.02	.44	<.5
27...	.65	.85	--	43	8	3	.21	.220	A.084	.50	<.02	.04	<.5
JUL													
12...	.78	.76	--	39	6	3	.24	.230	A.098	.40	<.02	.03	<.5
JUL													
26-26	.56	.6	30	46	730	50	.200	.200	E.077	1.2	<.050	.130	<5.0
AUG													
12-12	.51	.6	--	63	380	60	.310	.210	E.054	1.4	<.050	.130	<5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT									
06...	<1	<2	--	1070	<2	175	3	--	11
NOV									
18-19	2	<2	--	7570	10	795	30	21	502
DEC									
02...	<1	<2	--	1360	<2	170	5	81	5
FEB									
12-12	2	2	--	5680	8	416	27	10	1740
MAR									
04...	<1	<2	--	1040	<2	122	5	--	14
25...	<1	<2	259	1130	<2	124	3	--	9
APR									
13-13	<1	<2	--	3430	3	315	14	55	114
MAY									
22-22	3	4	185	10900	14	987	42	31	948
27...	<1	<2	--	1950	<2	268	3	--	11
JUL									
12...	<1	<2	--	2080	<2	291	3	--	8
JUL									
26-26	<10	M	--	6100	M	840	20	85	358
AUG									
12-12	<10	<10	--	6400	M	900	20	80	420

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
06...	1114	9	12.5	3.4	1.37	93	8.6	6.4	43	18.0	16	--	--
06...	1115	9	7.50	3.4	1.37	93	8.6	6.4	43	18.0	18	--	--
06...	1116	9	2.50	3.4	1.37	93	8.6	6.4	46	18.0	15	--	--
NOV													
19...	0943	J	15.0	59	2.38	88	8.3	6.2	45	16.4	150	43	218
19...	0944	J	9.00	59	2.38	88	8.3	6.2	45	16.4	160	30	366
19...	0945	J	3.00	59	2.38	88	8.3	6.2	45	16.4	160	55	220
DEC													
02...	1413	9	9.00	8.0	1.52	97	10.7	6.3	47	10.1	16	--	--
02...	1414	9	6.00	8.0	1.52	97	10.7	6.3	46	10.2	18	--	--
02...	1415	9	3.00	8.0	1.52	97	10.7	6.3	47	10.2	14	--	--
FEB													
12...	1017	J	21.0	93	2.80	57	6.8	6.3	35	6.8	200	--	--
12...	1018	J	15.0	93	2.80	55	6.6	6.3	35	6.8	330	--	--
12...	1019	J	5.00	93	2.80	57	6.7	6.3	35	6.8	320	--	--
MAR													
04...	1044	9	6.00	12	1.62	104	10.5	6.3	42	14.5	15	--	--
04...	1045	9	11.0	12	1.62	96	9.7	6.2	42	14.5	16	--	--
04...	1046	9	14.0	12	1.62	95	9.5	6.2	42	14.5	18	--	--
25...	1214	9	9.00	8.0	1.50	92	9.4	6.6	43	14.0	16	--	--
25...	1215	9	7.00	8.0	1.50	92	9.4	6.6	43	14.0	16	--	--
25...	1216	9	5.00	8.0	1.50	92	9.4	6.6	43	14.0	16	--	--
APR													
13...	1206	J	15.0	21	1.81	82	8.2	6.6	46	15.5	88	--	--
13...	1207	J	10.0	21	1.81	82	8.2	6.6	46	15.5	87	--	--
13...	1208	J	5.00	20	1.80	83	8.2	6.5	46	15.5	95	--	--
MAY													
22...	1628	J	17.5	94	2.81	82	7.2	6.3	36	22.4	470	--	--
22...	1629	J	15.0	94	2.81	82	7.1	6.1	35	22.4	470	--	--
22...	1630	J	12.5	94	2.81	78	6.9	5.7	35	22.4	470	--	--
22...	1631	J	7.50	94	2.81	82	7.2	5.8	35	22.4	470	--	--
22...	1632	J	5.00	94	2.81	81	7.1	5.8	35	22.4	460	--	--
22...	1633	J	2.50	94	2.81	79	6.9	5.8	35	22.4	490	--	--
27...	1124	9	10.0	4.3	1.37	84	7.3	6.1	51	22.4	15	--	--
27...	1125	9	7.00	4.3	1.37	84	7.3	6.0	51	22.4	16	--	--
27...	1126	9	4.00	4.3	1.37	84	7.2	6.1	51	22.4	16	--	--
JUL													
12...	1209	9	3.00	5.8	1.44	90	7.4	6.3	48	24.4	11	--	--
12...	1210	9	6.00	5.8	1.44	90	7.4	6.3	48	24.4	11	--	--
12...	1211	9	9.00	5.8	1.44	90	7.3	6.3	48	24.4	11	--	--
26...	0109	J	5.00	36	2.06	90	7.4	6.6	36	24.1	360	--	--
26...	0110	J	10.0	36	2.06	90	7.4	6.6	36	24.1	370	--	--
26...	0111	J	15.0	36	2.06	90	7.4	6.6	36	24.1	370	--	--
AUG													
12...	0836	J	15.0	46	2.21	94	8.0	6.8	34	22.4	380	--	--
12...	0837	J	10.0	46	2.21	93	7.9	6.6	34	22.4	390	--	--
12...	0838	J	5.00	46	2.21	92	7.8	6.5	33	22.4	410	--	--
12...	1529	J	20.0	25	1.90	100	8.3	6.7	37	23.5	200	--	--
12...	1530	J	25.0	25	1.90	100	8.3	6.6	37	23.5	200	--	--
12...	1531	J	30.0	25	1.90	101	8.4	6.6	37	23.5	190	--	--

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

ALTAMAHA RIVER BASIN
2004 Water Year

02207413 LITTLE PANTHER CREEK AT GA 20, NEAR MILLSTEAD, GA

LOCATION.—Lat 33°46'04", long 83°59'02", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, approximately 2.4 miles southwest of Rosebud.

DRAINAGE AREA.—Not available.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.— August 5, 2004 (invertebrates) and September 22, 2004 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 150 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Veneroida		
Sphaeriidae		
Sphaerium sp.	2	
ANNELIDA		
Oligochaeta		
Haplotaxida		
Tubificidae w.o.h.c.	4	
Limnodrilus hoffmeisteri	2	
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Procambarus sp.	3	
Insecta		
Ephemeroptera		
Baetidae		
Centroptilum sp.	3	
Ephemeridae		
Hexagenia sp.	2	
Heptageniidae		
Stenacron pallidum	1	
Stenonema sp.	1	1
Odonata		
Coenagrionidae		
Argia sp.	1	
Gomphidae		
Gomphus sp.	12	1
Hagenius brevistylus	1	
Progomphus obscurus	1	1
Hemiptera		
Gerridae		
Aquarius sp.		2
Trepobates sp.		1
Coleoptera		
Elmidae		
Ancyronyx variegata	1	

02207413 LITTLE PANTHER CREEK AT GA 20, NEAR MILLSTEAD, GA—continued.

	Abundance	
	Multi-habitat	Visual
Macronychus glabratus	1	
Gyrinidae		
Dineutus sp.	1	
Diptera		
Ceratopogonidae		
Chironomidae	1	
Ablabesmyia mallochi	10	
Brillia flavifrons	1	
Chironomus sp.		1
Cladopelma sp.	1	
Conchapelopia sp.	1	
Paratendipes sp.	6	
Polypedilum halterale	2	
Procladius sp.	1	
Stenochironomus sp.	1	
Tribelos sp.	14	
Zavrelia sp.	1	
Tabanidae		
Chrysops sp.	1	

Fishes

Scientific Name	Common Name	Count		Total Length,mm	Weight,g
Lepomis auritus	redbreast sunfish	1		140	43.3
Lepomis auritus	redbreast sunfish	1		80	8.2
Lepomis auritus	redbreast sunfish	1		70	5.6
Lepomis auritus	redbreast sunfish	1		88	11.2
Lepomis auritus	redbreast sunfish	1		73	5.9
Lepomis auritus	redbreast sunfish	1		82	8.4
Lepomis auritus	redbreast sunfish	1		75	6.5
Lepomis auritus	redbreast sunfish	1		80	8.0
Lepomis auritus	redbreast sunfish	1		93	12.2
Lepomis auritus	redbreast sunfish	1		75	6.0
Lepomis auritus	redbreast sunfish	1		80	8.6
Lepomis macrochirus	bluegill	1		95	13.6
Lepomis macrochirus	bluegill	1		102	6.3
Lepomis macrochirus	bluegill	1		108	20.2
Lepomis macrochirus	bluegill	1		70	4.2
Lepomis macrochirus	bluegill	1		95	12.9
Lepomis macrochirus	bluegill	1		71	5.2
Lepomis macrochirus	bluegill	1		110	20.3
Lepomis macrochirus	bluegill	1		88	10.2
Lepomis macrochirus	bluegill	1		72	5.6
Lepomis macrochirus	bluegill	1		55	2.1
Lepomis macrochirus	bluegill	1		56	2.5
Lepomis macrochirus	bluegill	1		50	1.7
Lepomis macrochirus	bluegill	1		55	2.3
Lepomis macrochirus	bluegill	1		57	2.5
Lepomis macrochirus	bluegill	1		50	1.9
Lepomis macrochirus	bluegill	1		99	14.8
Lepomis macrochirus	bluegill	1		60	3.4
Lepomis macrochirus	bluegill	1		74	5.8
Lepomis macrochirus	bluegill	1		54	2.2
Lepomis macrochirus	bluegill	1		91	13.0
Lepomis macrochirus	bluegill	1		65	3.4
Lepomis macrochirus	bluegill	1		45	1.3
Lepomis macrochirus	bluegill	1		48	1.5
Lepomis macrochirus	bluegill	1		91	11.4
Lepomis macrochirus	bluegill	1		78	7.5
Lepomis macrochirus	bluegill	1		32	0.6
Lepomis macrochirus	bluegill	1		65	3.8
Lepomis macrochirus	bluegill	1		50	2.1
Lepomis macrochirus	bluegill	1		50	1.9
Lepomis macrochirus	bluegill	1		45	1.4
Lepomis macrochirus	bluegill	18	batch		62.9
Lepomis macrochirus	bluegill	1		54	2.2
Lepomis macrochirus	bluegill	1		58	2.5
Lepomis microlophus	redear sunfish	1		50	1.7
Lepomis microlophus	redear sunfish	1		56	2.6
Micropterus salmoides	largemouth bass	1		95	8.1

02207413 LITTLE PANTHER CREEK AT GA 20 NEAR MILLSTEAD, GA—continued.

Scientific Name	Common Name	Count		Total Length,mm	Weight,g
Micropterus salmoides	largemouth bass	1		110	16.5
Micropterus salmoides	largemouth bass	1		70	1.3
Nocomis leptocephalus	bluehead chub	1		146	29.4
Nocomis leptocephalus	bluehead chub	1		125	22.4
Nocomis leptocephalus	bluehead chub	1		96	9.3
Nocomis leptocephalus	bluehead chub	1		77	6.0
Nocomis leptocephalus	bluehead chub	1		113	14.9
Nocomis leptocephalus	bluehead chub	1		95	9.6
Nocomis leptocephalus	bluehead chub	1		70	4.1
Nocomis leptocephalus	bluehead chub	1		128	20.9
Nocomis leptocephalus	bluehead chub	1		118	17.0
Nocomis leptocephalus	bluehead chub	1		135	24.5
Nocomis leptocephalus	bluehead chub	1		100	10.2
Nocomis leptocephalus	bluehead chub	1		75	4.6
Nocomis leptocephalus	bluehead chub	1		75	4.3
Nocomis leptocephalus	bluehead chub	1		105	11.5
Nocomis leptocephalus	bluehead chub	1		64	2.4
Nocomis leptocephalus	bluehead chub	1		60	2.0
Nocomis leptocephalus	bluehead chub	1		75	4.3
Nocomis leptocephalus	bluehead chub	1		163	42.1
Nocomis leptocephalus	bluehead chub	1		109	13.2
Nocomis leptocephalus	bluehead chub	1		71	4.5
Nocomis leptocephalus	bluehead chub	1		138	26.6
Nocomis leptocephalus	bluehead chub	1		130	21.2
Nocomis leptocephalus	bluehead chub	1		110	14.5
Nocomis leptocephalus	bluehead chub	1		93	5.9
Nocomis leptocephalus	bluehead chub	1		100	11.1
Nocomis leptocephalus	bluehead chub	1		64	3.1
Nocomis leptocephalus	bluehead chub	1		55	2.1
Nocomis leptocephalus	bluehead chub	1		55	1.6
Nocomis leptocephalus	bluehead chub	1		110	12.0
Nocomis leptocephalus	bluehead chub	1		98	9.5
Nocomis leptocephalus	bluehead chub	21	batch		131.1
Notropis lutipinnis	yellowfin shiner	1		60	2.3
Notropis lutipinnis	yellowfin shiner	1		58	1.9
Notropis lutipinnis	yellowfin shiner	1		48	1.2
Notropis lutipinnis	yellowfin shiner	1		43	0.7
Notropis lutipinnis	yellowfin shiner	1		50	1.0
Notropis lutipinnis	yellowfin shiner	1		48	1.1
Notropis lutipinnis	yellowfin shiner	1		48	0.9

ALTAMAHA RIVER BASIN
2004 Water Year

02207414 RANDY POYNTER LAKE AT SPILLWAY, NEAR MILSTEAD, GA

LOCATION.—Lat 33°43'49", long 83°56'11", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, on east side of channel upstream of Jack Turner Dam, up on gated Rockdale County gravel maintenance road, 0.8 miles west of GA 138, and 8.8 miles northeast of Conyers.

DRAINAGE AREA.—43.3 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—December 3, 2002, to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Hydrologic condition 9 indicates baseflow, and 8 indicates rising stage. Sample type 9 indicates a routine sample. Hydrologic event 9 indicates a routine sample. Sampler type code 3060 represents a weighted-bottle sampler. Sampling method code 30 indicates single vertical sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis of Biological Oxygen Demand (BOD-5) during the period of October through September analyzed by the US Geological Survey, Ocala Water-Quality Laboratory. Biological Oxygen Demand samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratories, Inc.-Denver, and stored under analyzing agency code 80855. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02207414 RANDY POYNTER LAKE AT SPILLWAY, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydrologic condition	Sample type	Hydrologic event	Sampler type, code (84164)	Sampling method, code (82398)	Agency analyzing sample, code (00028)	Lake or reservoir elevation, NGVD feet (62614)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Barometric pressure, mm Hg (00025)
OCT													
16...	0850	9	9	9	9	3060	30	80020	732.06	4.0	6.6	70	749
NOV													
12...	1150	9	9	9	9	3060	30	80020	733.41	3.6	8.6	45	749
DEC													
11...	1000	9	9	9	9	3060	30	80020	734.39	--	--	--	739
JAN													
21...	1050	9	9	9	9	3060	30	80020	734.38	5.8	6.6	49	745
FEB													
17...	1015	9	9	9	9	3060	30	80020	735.02	7.5	6.9	47	--
MAR													
17...	1015	9	9	9	9	3060	30	80020	734.83	4.5	7.1	47	741
APR													
05...	1050	9	9	9	9	3060	30	80020	734.06	--	7.2	46	740
MAY													
26...	0910	9	9	9	9	3060	30	80020	734.21	3.0	7.0	48	744
JUN													
07...	0915	9	9	9	9	3060	30	80020	733.99	2.8	7.5	50	746
JUL													
20...	0915	9	9	9	9	3060	30	80020	734.06	5.0	6.7	55	745
AUG													
02...	0920	9	9	9	9	3060	30	80020	734.12	3.0	6.5	53	744
16...	0730	9	9	9	9	3060	30	80020	734.28	5.2	7.8	53	743
SEP													
16...	1440	9	8	9	9	3060	30	80020	734.33	8.1	6.5	51	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Dissolved oxygen, mg/L (00300)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Hardness, water, mg/L as CaCO3 (00900)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)
OCT													
16...	13.0	17.2	1.0	1.9	4k	3.15	.838	11	.58	.247	.32	E.011n	.33
NOV													
12...	17.8	23.7	--	8.7	24	--	--	--	--	--	--	--	--
DEC													
11...	--	5.5	.6	--	E4k	3.41	.835	12	.66	.393d	.51	.121	.27
JAN													
21...	7.3	9.6	.9	11.4	E3k	2.55	.626	9	.58	.272	.35	.250	.31
FEB													
17...	6.6	3.1	1.3	--	E5k	2.33	.542	8	.51	.149	.19	.388	.36
MAR													
17...	9.3	12.8	.8	10.2	E1k	2.67	.767	10	.23	.032	.04	.406	.20
APR													
05...	14.1	11.5	.4	6.5	E1k	2.33	.576	8	.23	.031	.04	.502	.19
MAY													
26...	14.5	27.1	1.0	8.2	E1k	2.86	.767	10	.28	.073	.09	.314	.21
JUN													
07...	15.6	24.0	<.1	8.3	E1k	2.54	.652	9	.27	.075	.10	.379	.19
JUL													
20...	15.9	--	2.0	5.0	E2k	2.88	.741	10	.41	.120	.15	.193	.29
AUG													
02...	18.5	27.2	<2.0	6.1	--l	2.93	.732	10	.29	.066	.08	.092	.22
16...	16.7	--	2.6	2.4	--	2.85	.724	10	.50	.078	.10	.024	.42
SEP													
16...	--	--	--	--	>60k	2.55	.637	9	.46	.166	.21	.028	.29

02207414 RANDY POYNTER LAKE AT SPILLWAY, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

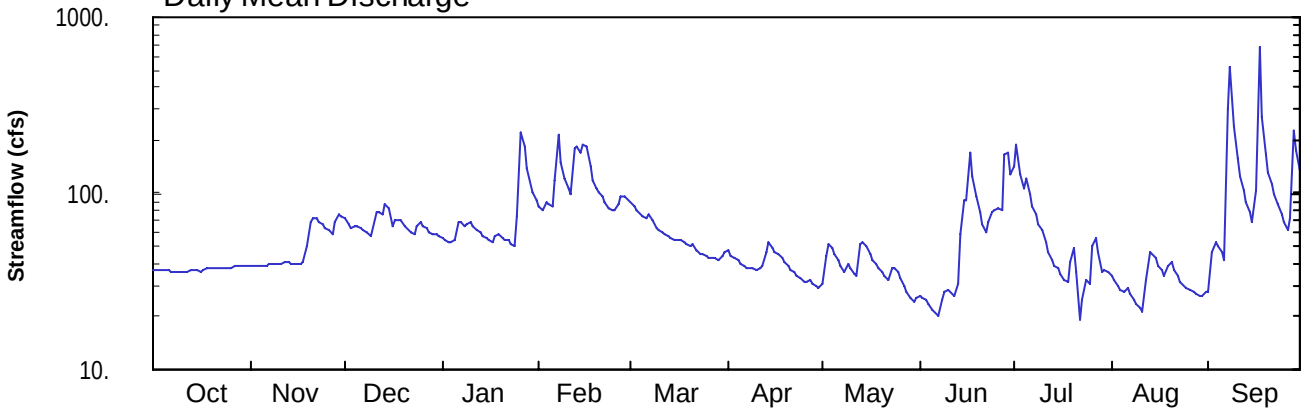
Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)
OCT									
16...	<.006	.015	--	<.4	.10	E.4n	4.1	E3.7d	<.1d
NOV									
12...	--	--	--	--	--	--	4.1	E9.1	E.2
DEC									
11...	<.006	.011	.78	<.4	E.08n	E.5n	3.5	4.4d	<.1d
JAN									
21...	<.006	.012	.83	E.4n	<.08	2.1	2.7	E2.4d	<.1d
FEB									
17...	<.006	.017	.90	.4	E.06n	2.9	2.9	E6.4	<.1
MAR									
17...	<.006	.011	.64	E.4n	E.06n	1.4	3.3	3.9d	<.1d
APR									
05...	<.006	.011	.73	.6	E.06n	1.6	2.9	2.0d	E.2d
MAY									
26...	<.006	.013	.60	E.3n	<.08	1.3	2.4	4.0d	E.2d
JUN									
07...	<.006	.174	.65	.5	<.08	1.4	3.2	2.8d	<.1d
JUL									
20...	<.006	.008	.60	E.4n	<.08	1.6	4.1	E7.5d	E.7d
AUG									
02...	<.006	.013	.38	<.4	<.08	1.7	4.1	E.9d	E.2d
16...	<.006	.016	.53	1.1	.24	1.4	4.5	14.0d	2.8d
SEP									
16...	<.006	.018	.49	E.3n	<.08	1.5	4.2	--	--

Remark codes used in this table:
  < -- Less than
  > -- Greater than
  E -- Estimated value
Value qualifier codes used in this table:
  d -- Diluted sample: method hi range exceeded
  k -- Counts outside acceptable range
  n -- Below the LRL and above the LT-MDL
Null value qualifier codes used in this table:
  l -- Analysis discarded: lab QC failure

02207418 BIG HAYNES CREEK AT JACK TURNER DAM,NR MILSTEAD GA

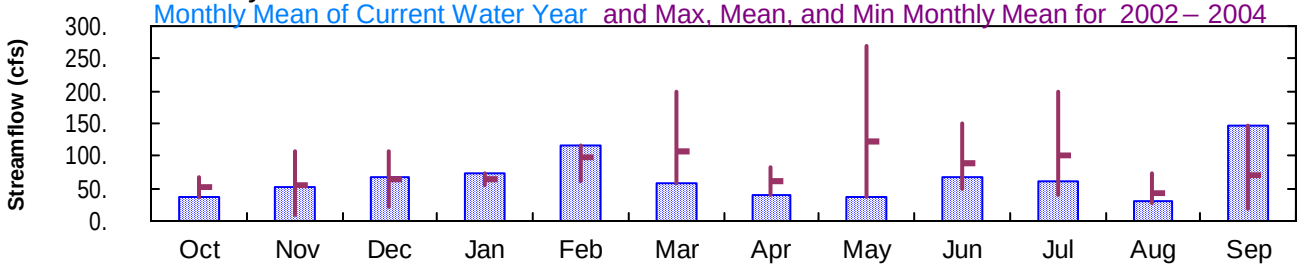
Latitude: 33°43'45" Longitude: 083°56'14" Hydrologic Unit Code: 03070103
Rockdale County Datum: 670.00 feet Drainage Area: 46.3 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



ALTAMAHA RIVER BASIN
2004 Water Year

02207418 BIG HAYNES CREEK AT JACK TURNER DAM, NEAR MILSTEAD, GA

LOCATION.—Lat 33°43'45", long 83°56'14", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on right bank of west channel, 100.00 feet downstream of Jack Turner dam, 1.7 miles north of GA 138, 3.5 miles east of GA 20, 4.9 miles west of Walnut Grove, on Rockdale County gated gravel maintenance road.

DRAINAGE AREA.—46.3 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 12, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 670.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Flow is regulated by Jack Turner Dam.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 12, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 670.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Flow is regulated by Jack Turner Dam.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.59 feet, September 17; minimum gage-height recorded, 2.10 feet, July 21-23.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 12, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207418 BIG HAYNES CREEK AT JACK TURNER DAM,NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334345 LONGITUDE 0835614 NAD83 DRAINAGE AREA 46.3 CONTRIBUTING DRAINAGE AREA 46.3* DATUM 670.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	39	72	55	84	88	47	30	26	140	34	28
2	37	39	67	54	80	83	44	44	26	191	32	46
3	37	38	64	53	89	80	43	52	25	129	30	53
4	37	38	64	52	88	77	42	49	23	108	28	51
5	36	39	65	54	84	73	39	46	22	123	28	46
6	36	39	64	68	119	73	38	42	21	99	29	42
7	36	40	62	69	217	75	38	39	20	84	27	300
8	36	40	60	65	150	71	38	36	25	77	25	526
9	36	40	58	68	121	64	38	39	28	67	23	236
10	36	40	64	68	108	62	37	38	28	61	22	157
11	36	40	78	65	99	61	38	35	27	53	21	125
12	36	40	78	62	180	59	39	34	26	47	32	105
13	36	40	76	60	185	57	46	51	31	42	47	89
14	36	40	86	58	168	56	53	53	59	39	46	77
15	36	40	81	56	187	55	49	50	92	37	42	68
16	36	40	64	55	186	55	47	46	90	35	39	103
17	36	40	70	53	141	54	45	42	170	32	37	679
18	38	41	71	57	120	53	43	39	125	31	34	269
19	38	51	70	58	108	52	41	38	97	41	39	167
20	38	68	65	56	101	50	39	36	79	49	41	132
21	38	73	63	55	96	52	37	34	67	36	37	113
22	38	72	60	54	88	48	35	32	60	19	34	99
23	38	69	59	52	83	46	34	38	68	25	32	86
24	37	67	66	50	80	45	33	38	79	32	30	77
25	37	64	68	75	80	44	32	35	79	30	29	69
26	38	61	65	219	86	43	32	33	82	50	28	62
27	38	59	63	185	95	43	33	30	81	56	28	72
28	39	69	60	137	97	43	31	28	167	47	27	226
29	39	76	58	111	93	42	30	25	171	36	26	176
30	39	75	58	102	---	44	29	24	127	37	26	136
31	39	---	57	92	---	46	---	25	---	36	28	---
TOTAL	1149	1517	2056	2318	3413	1794	1170	1181	2021	1889	981	4415
MEAN	37.1	50.6	66.3	74.8	118	57.9	39.0	38.1	67.4	60.9	31.6	147
MAX	39	76	86	219	217	88	53	53	171	191	47	679
MIN	36	38	57	50	80	42	29	24	20	19	21	28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	51.6	56.0	64.7	64.2	97.6	107	61.0	122	88.9	99.6	43.8	70.6
MAX	66.2	107	106	74.8	118	199	82.4	270	151	199	72.6	147
(WY)	2003	2003	2003	2004	2004	2003	2003	2003	2003	2003	2003	2004
MIN	37.1	10.2	21.6	54.0	61.1	57.9	39.0	38.1	48.3	38.7	27.3	18.8
(WY)	2004	2002	2002	2002	2002	2004	2004	2004	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	41206		23904			
ANNUAL MEAN	113		65.3		94.3	
HIGHEST ANNUAL MEAN					123	2003
LOWEST ANNUAL MEAN					65.3	2004
HIGHEST DAILY MEAN	1360	Mar 20	679	Sep 17	1360	Mar 20 2003
LOWEST DAILY MEAN	16	Jun 5	19	Jul 22	6.7	Sep 20 2002
ANNUAL SEVEN-DAY MINIMUM	36	Oct 5	23	Jun 2	7.6	Sep 26 2002
MAXIMUM PEAK FLOW			1050	Sep 17	1820	Mar 20 2003
MAXIMUM PEAK STAGE			5.59	Sep 17	6.85	Mar 20 2003
10 PERCENT EXCEEDS	191		112		165	
50 PERCENT EXCEEDS	78		50		67	
90 PERCENT EXCEEDS	38		30		34	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207418 BIG HAYNES CREEK AT JACK TURNER DAM,NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334345 LONGITUDE 0835614 NAD83 DRAINAGE AREA 46.3 CONTRIBUTING DRAINAGE AREA 46.3* DATUM 670.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.32	2.35	2.63	2.50	2.72	2.75	2.43	2.25	2.20	3.06	2.30	2.22
2	2.32	2.35	2.60	2.49	2.69	2.72	2.40	2.40	2.20	3.32	2.27	2.41
3	2.32	2.34	2.58	2.48	2.75	2.69	2.39	2.47	2.18	2.99	2.25	2.48
4	2.32	2.34	2.58	2.47	2.75	2.66	2.38	2.44	2.17	2.87	2.23	2.46
5	2.32	2.35	2.59	2.49	2.72	2.64	2.35	2.41	2.15	2.96	2.22	2.42
6	2.32	2.35	2.58	2.60	2.91	2.63	2.34	2.38	2.13	2.82	2.24	2.38
7	2.32	2.35	2.56	2.60	3.45	2.65	2.34	2.35	2.13	2.72	2.21	3.51
8	2.32	2.36	2.54	2.59	3.11	2.62	2.34	2.32	2.18	2.66	2.19	4.43
9	2.32	2.36	2.52	2.59	2.95	2.57	2.33	2.35	2.22	2.59	2.17	3.52
10	2.32	2.36	2.57	2.60	2.87	2.55	2.33	2.34	2.23	2.54	2.15	3.15
11	2.32	2.36	2.68	2.58	2.82	2.54	2.33	2.31	2.22	2.48	2.14	2.97
12	2.32	2.36	2.69	2.56	3.24	2.53	2.34	2.30	2.20	2.42	2.27	2.86
13	2.32	2.36	2.67	2.54	3.30	2.51	2.41	2.46	2.26	2.38	2.42	2.76
14	2.32	2.36	2.74	2.52	3.21	2.50	2.48	2.48	2.52	2.34	2.41	2.67
15	2.32	2.36	2.70	2.51	3.31	2.49	2.44	2.45	2.78	2.33	2.38	2.60
16	2.32	2.36	2.58	2.49	3.30	2.50	2.43	2.41	2.76	2.30	2.35	2.77
17	2.32	2.36	2.63	2.48	3.06	2.49	2.41	2.37	3.22	2.27	2.32	4.80
18	2.34	2.36	2.63	2.52	2.94	2.48	2.39	2.35	2.97	2.26	2.29	3.65
19	2.34	2.46	2.62	2.53	2.87	2.47	2.37	2.34	2.81	2.36	2.34	3.20
20	2.34	2.61	2.59	2.51	2.83	2.46	2.35	2.31	2.68	2.44	2.37	3.01
21	2.34	2.65	2.56	2.50	2.80	2.47	2.33	2.29	2.59	2.30	2.33	2.90
22	2.34	2.64	2.55	2.49	2.75	2.43	2.31	2.28	2.53	2.11	2.29	2.82
23	2.34	2.61	2.54	2.47	2.71	2.41	2.30	2.34	2.60	2.18	2.27	2.74
24	2.33	2.60	2.59	2.45	2.69	2.40	2.28	2.34	2.68	2.27	2.25	2.66
25	2.33	2.58	2.61	2.64	2.69	2.40	2.27	2.31	2.68	2.25	2.24	2.60
26	2.33	2.55	2.58	3.46	2.74	2.39	2.27	2.28	2.71	2.45	2.23	2.55
27	2.34	2.54	2.57	3.30	2.80	2.39	2.28	2.25	2.69	2.50	2.22	2.62
28	2.35	2.61	2.55	3.04	2.81	2.38	2.26	2.22	3.20	2.42	2.21	3.48
29	2.35	2.67	2.53	2.89	2.78	2.38	2.25	2.19	3.22	2.32	2.20	3.25
30	2.35	2.66	2.53	2.84	---	2.40	2.24	2.18	2.99	2.33	2.20	3.04
31	2.35	---	2.51	2.78	---	2.42	---	2.19	---	2.32	2.22	---
MEAN	2.33	2.45	2.59	2.63	2.92	2.51	2.35	2.33	2.54	2.50	2.26	2.96
MAX	2.35	2.67	2.74	3.46	3.45	2.75	2.48	2.48	3.22	3.32	2.42	4.80
MIN	2.32	2.34	2.51	2.45	2.69	2.38	2.24	2.18	2.13	2.11	2.14	2.22

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207418 BIG HAYNES CREEK AT JACK TURNER DAM,NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334345 LONGITUDE 0835614 NAD83 DRAINAGE AREA 46.3 CONTRIBUTING DRAINAGE AREA 46.3* DATUM 670.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	1.77
2	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.74	0.00	0.00	0.00	0.26
3	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
4	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
5	0.00	1.66	0.02	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00
6	0.02	0.05	0.00	0.00	1.04	0.14	0.00	0.00	0.00	0.00	0.00	0.27
7	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	4.47
8	0.03	0.00	0.00	0.04	0.00	0.00	0.01	0.00	1.24	0.00	0.00	0.05
9	0.00	0.00	0.00	0.24	0.00	0.02	0.00	0.09	0.05	0.00	0.00	0.00
10	0.00	0.00	0.93	0.01	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
11	0.01	0.00	0.00	0.00	0.21	0.00	0.07	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.21	0.00	0.29	0.76	0.37	0.00	1.40	0.00
13	0.00	0.00	0.39	0.00	0.00	0.00	0.43	0.00	0.86	0.00	0.00	0.00
14	0.00	0.00	0.30	0.00	0.52	0.00	0.01	0.00	0.73	0.37	0.00	0.00
15	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.40	0.00	0.00	0.00
16	0.00	0.00	0.02	0.00	0.01	0.09	0.00	0.07	1.64	0.00	0.00	2.52
17	0.07	0.03	0.23	0.24	0.00	0.00	0.00	0.00	0.00	0.21	0.01	0.21
18	0.00	0.54	0.00	0.22	0.00	0.01	0.00	0.56	0.00	0.00	0.00	0.00
19	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
21	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
23	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00
24	0.00	0.19	0.01	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	2.20	---	0.00	0.00	0.00	0.00	1.96	0.00	0.00
26	2.06	0.00	0.00	0.14	---	0.00	0.31	0.00	0.00	0.44	0.00	0.00
27	0.01	0.43	0.00	0.00	---	0.00	0.00	0.00	0.00	0.09	0.00	2.61
28	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
29	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.11	0.00
30	0.00	0.00	0.05	0.00	---	0.31	0.02	0.00	0.00	0.00	0.30	0.00
31	0.00	---	0.00	0.00	---	0.16	---	0.48	---	0.00	0.01	---
TOTAL	2.21	4.66	2.83	3.74	---	0.86	1.14	3.13	5.72	3.60	2.67	12.17

ALTAMAHA RIVER BASIN
2003 and 2004 Water Years

02207420 BIG HAYNES CREEK AT GA 138, NEAR CONYERS, GA

LOCATION.-- Lat 33°42'41", long 83°55'52", referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit Code 03070103, 0.4 miles north of Costley Mill Road, 1.39 miles northeast of Interstate 20, 1.68 miles northeast of Conyers.

DRAINAGE AREA.—50.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 12, 1999 to January 2000, September 24, 2003 to December 17, 2003 (discontinued).

REMARKS.— Medium code 9 is a surface water sample. Hydrologic condition codes represent the stage present during the sample; 9 is for normal, stable stage, and 5 is falling stage. Sample type 9 is a regular sample. Hydrologic event code 9 is for a routine sample. Sampler type used at this site, 3070 is a grab sample. Sampling method code 10 is for an equal width increment (EWI) sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory, Denver, CO. Laboratory sediment analyses with analyzing agency code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory, Atlanta, GA. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2004

Date	Time	Medium code	Hydrologic condition	Sample type	Hydrologic event	Sampler type, code (84164)	Sampling method, code (82398)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)
SEP 24...	1035	9	9	9	9	3070	10	80020	1.82	34	45	6.8	22.1
DEC 17...	1200	9	5	9	9	3070	10	80020	2.06	80	51	6.9	8.9

Date	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)
SEP 24...	7.8	750	6.9	80	E100klu	2.67	.739	.056	.68	.099	<.007	.024	5.3
DEC 17...	11	742	10.5	93	E11k	3.34	.875	.142	.59	.334d	<.006	.016	3.4

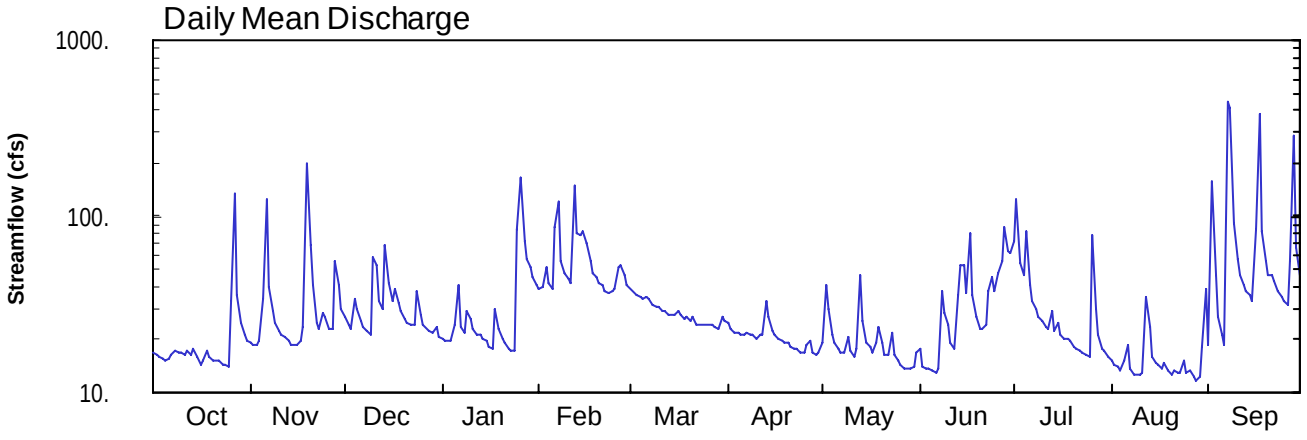
02207420 BIG HAYNES CREEK AT GA 138, NEAR CONYERS, GA—continued.

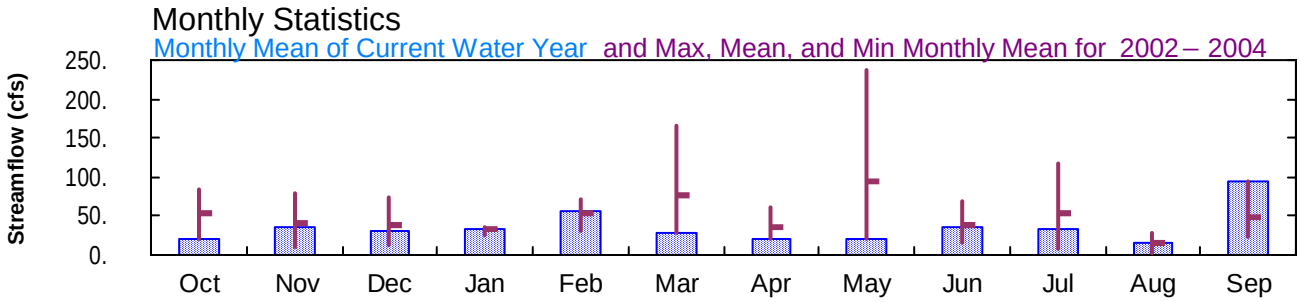
Date	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Sus-pended sedi-ment concen-tration mg/L (80154)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
SEP					
24...	3.3	.27	52.7	26	66
DEC					
17...	<.4	E.07n	E.5n	16	58

Remark codes used in this table:
< -- Less than
E -- Estimated value
Value qualifier codes used in this table:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
l -- Sample lab preparation problem
n -- Below the LRL and above the LT-MDL
u -- Value reported not confirmable, interfer

02207435 LITTLE HAYNES CREEK AT DIAL MILL RD NR MILSTEAD GA

Latitude: 33°42'40" Longitude: 083°54'52" Hydrologic Unit Code: 03070103
Rockdale County Datum: 650.00 feet Drainage Area: 25.1 mi²





ALTAMAHA RIVER BASIN
2004 Water Year

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°42'40", long 83°54'52" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on right bank on downstream side of bridge on Dial Mill Road, 0.1 miles north west of Hightower Trail Road, 0.7 miles south of GA 138, 0.6 miles west of Mount Zion Road, and 0.6 miles east of confluence with Big Haynes Creek.

DRAINAGE AREA.—25.1 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 16, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage 650.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those for periods of estimated daily discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 16, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage 650.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.26 feet, September 7; minimum gage-height recorded, 3.39 feet, June 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 15, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207435 LITTLE HAYNES CREEK AT DIAL MILL RD NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334240 LONGITUDE 0835452 NAD83 DRAINAGE AREA 25.1 CONTRIBUTING DRAINAGE AREA 25.1* DATUM 650.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	19	27	20	39	39	25	19	18	72	15	19
2	16	18	24	20	39	37	23	41	14	125	15	158
3	16	19	23	20	52	36	22	30	14	54	14	46
4	16	20	34	19	42	35	22	21	14	46	13	27
5	15	34	30	24	39	34	21	19	13	83	15	21
6	15	124	25	41	86	35	21	18	13	41	19	19
7	16	39	24	24	122	34	22	17	14	33	14	446
8	17	29	22	22	56	31	21	17	37	30	13	414
9	17	25	22	29	47	30	21	21	28	27	13	92
10	17	22	59	26	44	30	20	17	24	25	13	58
11	16	21	53	23	42	29	21	16	19	24	13	47
12	17	21	33	21	148	29	21	18	18	23	35	41
13	17	20	30	21	80	28	33	46	36	29	24	37
14	18	19	68	20	77	28	27	26	53	23	16	36
15	16	19	42	20	82	28	22	19	53	25	15	33
16	15	19	33	18	71	29	21	18	36	21	14	85
17	15	20	39	18	55	28	20	17	79	20	14	378
18	17	23	32	29	48	26	20	19	36	20	15	83
19	16	200	29	23	45	27	19	24	27	19	13	56
20	15	68	26	20	42	25	19	19	23	18	13	47
21	15	41	25	19	41	27	18	16	23	18	13	46
22	15	25	24	18	38	24	18	16	24	17	13	43
23	14	23	24	17	37	24	18	22	38	17	13	38
24	15	28	37	17	38	24	17	16	46	16	15	35
25	14	27	27	85	38	24	17	15	38	16	13	33
26	33	23	24	166	52	24	19	14	48	77	13	31
27	133	23	23	72	54	24	20	14	56	30	12	55
28	36	56	23	57	46	24	17	14	87	21	12	290
29	25	41	22	52	41	23	16	14	63	18	12	67
30	21	30	23	45	---	27	17	14	62	17	18	47
31	20	---	21	41	---	26	---	17	---	16	39	---
TOTAL	665	1096	948	1047	1641	889	618	614	1054	1021	489	2828
MEAN	21.5	36.5	30.6	33.8	56.6	28.7	20.6	19.8	35.1	32.9	15.8	94.3
MAX	133	200	68	166	148	39	33	46	87	125	39	446
MIN	14	18	21	17	37	23	16	14	13	16	12	19
CFSM	0.85	1.46	1.22	1.35	2.25	1.14	0.82	0.79	1.40	1.31	0.63	3.76
IN.	0.99	1.62	1.41	1.55	2.43	1.32	0.92	0.91	1.56	1.51	0.72	4.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	52.3	42.1	38.8	32.1	52.6	77.1	36.1	93.8	39.4	52.8	16.2	47.4
MAX	83.2	79.9	73.3	36.3	70.8	165	61.6	238	67.7	117	29.0	94.3
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2004
MIN	21.5	9.83	12.7	26.2	30.4	28.7	20.6	19.8	15.3	8.77	3.69	23.5
(WY)	2004	2002	2002	2002	2002	2004	2004	2004	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	27426		12910			
ANNUAL MEAN	75.1		35.3		61.4	
HIGHEST ANNUAL MEAN					87.6	2003
LOWEST ANNUAL MEAN					35.3	2004
HIGHEST DAILY MEAN	1340	May 6	446	Sep 7	1340	May 6 2003
LOWEST DAILY MEAN	13	Sep 18	12	Aug 27 a	1.8	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	14	Sep 15	13	Aug 23	2.0	Sep 7 2002
MAXIMUM PEAK FLOW			995	Sep 7	2530	Mar 20 2003
MAXIMUM PEAK STAGE			9.26	Sep 7	11.69	Mar 20 2003
ANNUAL RUNOFF (CFSM)	2.99		1.41		2.45	
ANNUAL RUNOFF (INCHES)	40.65		19.13		33.23	
10 PERCENT EXCEEDS	146		56		112	
50 PERCENT EXCEEDS	39		24		34	
90 PERCENT EXCEEDS	17		15		16	

a Also Aug 28,29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207435 LITTLE HAYNES CREEK AT DIAL MILL RD NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334240 LONGITUDE 0835452 NAD83 DRAINAGE AREA 25.1 CONTRIBUTING DRAINAGE AREA 25.1* DATUM 650.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.18	4.26	4.45	4.28	4.47	4.47	4.02	3.80	3.72	5.08	3.62	3.77
2	4.17	4.24	4.39	4.27	4.48	4.42	3.95	4.52	3.56	5.78	3.59	6.06
3	4.16	4.25	4.35	4.27	4.83	4.39	3.91	4.18	3.55	4.71	3.56	4.65
4	4.15	4.27	4.59	4.26	4.55	4.35	3.89	3.88	3.54	4.50	3.53	4.08
5	4.14	4.51	4.52	4.37	4.46	4.32	3.88	3.79	3.52	5.22	3.61	3.89
6	4.14	5.60	4.41	4.72	5.19	4.36	3.88	3.74	3.51	4.36	3.77	3.78
7	4.17	4.71	4.37	4.38	5.78	4.31	3.89	3.71	3.53	4.14	3.54	7.14
8	4.20	4.50	4.34	4.33	4.92	4.23	3.87	3.69	4.24	4.04	3.49	7.50
9	4.19	4.40	4.32	4.50	4.70	4.21	3.88	3.85	3.97	3.93	3.48	5.54
10	4.19	4.34	4.91	4.43	4.62	4.21	3.85	3.72	3.82	3.88	3.48	4.97
11	4.17	4.31	4.91	4.35	4.56	4.17	3.89	3.66	3.64	3.82	3.51	4.70
12	4.20	4.30	4.59	4.32	5.97	4.17	3.88	3.73	3.57	3.79	4.27	4.54
13	4.18	4.27	4.52	4.31	5.37	4.12	4.30	4.61	4.21	4.00	3.97	4.43
14	4.22	4.24	5.11	4.28	5.33	4.12	4.08	4.04	4.67	3.77	3.66	4.38
15	4.16	4.24	4.75	4.27	5.41	4.12	3.93	3.80	4.65	3.85	3.60	4.28
16	4.12	4.24	4.59	4.23	5.22	4.16	3.88	3.75	4.12	3.71	3.58	5.02
17	4.14	4.28	4.70	4.21	4.90	4.12	3.84	3.70	5.19	3.68	3.55	7.32
18	4.20	4.36	4.57	4.51	4.73	4.07	3.82	3.78	4.23	3.68	3.59	5.41
19	4.16	6.11	4.50	4.36	4.64	4.09	3.79	3.97	3.93	3.65	3.52	4.92
20	4.13	5.12	4.44	4.28	4.57	4.03	3.79	3.79	3.78	3.60	3.49	4.69
21	4.13	4.74	4.40	4.25	4.53	4.08	3.76	3.68	3.78	3.57	3.52	4.68
22	4.14	4.41	4.39	4.21	4.45	4.00	3.74	3.67	3.83	3.56	3.51	4.58
23	4.11	4.35	4.38	4.20	4.41	4.00	3.73	3.89	4.28	3.54	3.51	4.45
24	4.11	4.48	4.67	4.19	4.43	4.00	3.70	3.68	4.48	3.51	3.61	4.35
25	4.10	4.44	4.46	5.27	4.46	3.99	3.69	3.61	4.25	3.51	3.51	4.29
26	4.46	4.36	4.39	6.26	4.81	3.99	3.77	3.57	4.54	5.11	3.52	4.24
27	5.67	4.36	4.36	5.24	4.86	3.98	3.81	3.55	4.49	4.19	3.46	4.70
28	4.64	4.96	4.35	4.96	4.68	3.98	3.70	3.53	5.33	3.88	3.44	6.94
29	4.41	4.72	4.33	4.82	4.54	3.95	3.68	3.54	4.90	3.74	3.46	5.25
30	4.32	4.52	4.37	4.66	---	4.08	3.69	3.55	4.69	3.71	3.75	4.83
31	4.28	---	4.30	4.54	---	4.04	---	3.69	---	3.67	4.42	---
MEAN	4.25	4.53	4.51	4.50	4.82	4.15	3.85	3.80	4.12	4.04	3.62	4.98
MAX	5.67	6.11	5.11	6.26	5.97	4.47	4.30	4.61	5.33	5.78	4.42	7.50
MIN	4.10	4.24	4.30	4.19	4.41	3.95	3.68	3.53	3.51	3.51	3.44	3.77

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207435 LITTLE HAYNES CREEK AT DIAL MILL RD NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334240 LONGITUDE 0835452 NAD83 DRAINAGE AREA 25.1 CONTRIBUTING DRAINAGE AREA 25.1* DATUM 650.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	1.33	0.00	2.00
2	0.04	0.00	0.00	0.00	0.56	0.00	0.00	0.55	0.00	0.09	0.00	0.20
3	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.00
4	0.05	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.01
5	0.00	1.55	0.00	0.51	0.01	0.00	0.00	0.00	0.00	0.00	0.76	0.00
6	0.02	0.04	0.00	0.00	1.05	0.12	0.00	0.00	0.00	0.00	0.00	0.24
7	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.51	0.58	0.00	4.42
8	0.11	0.00	0.00	0.04	0.00	0.00	0.01	0.00	2.23	0.01	0.00	0.09
9	0.01	0.00	0.00	0.24	0.00	0.06	0.01	0.01	0.03	0.00	0.00	0.00
10	0.00	0.00	0.94	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00
11	0.01	0.00	0.03	0.00	0.18	0.00	0.07	0.00	0.00	0.00	0.01	0.00
12	0.00	0.00	0.00	0.00	1.19	0.00	0.34	1.23	0.28	0.03	1.46	0.00
13	0.00	0.00	0.35	0.00	0.00	0.00	0.40	0.01	0.59	0.00	0.00	0.00
14	0.02	0.00	0.33	0.00	0.51	0.00	0.01	0.00	0.37	0.29	0.00	0.01
15	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.34	0.01	0.00	0.26
16	0.01	0.00	0.02	0.00	0.00	0.07	0.00	0.38	2.36	0.00	0.00	2.62
17	0.09	0.04	0.24	0.17	0.00	0.00	0.00	0.00	0.01	0.14	0.43	0.21
18	0.00	0.63	0.00	0.34	0.00	0.00	0.00	0.47	0.73	0.09	0.00	0.00
19	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.05	0.00	0.12	0.00
21	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.08	0.00	0.14	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.65	0.00	0.01	0.01
23	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.01	0.00
24	0.00	0.22	0.00	0.00	0.05	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	0.00	2.09	0.35	0.00	0.00	0.00	0.54	1.06	0.00	0.00
26	2.88	0.00	0.00	0.13	---	0.00	0.40	0.00	0.00	0.41	0.00	0.00
27	0.01	0.38	0.00	0.00	---	0.00	0.00	0.00	2.09	0.50	0.00	2.56
28	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.11	0.93	0.00	0.00	0.02
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.16	0.00
30	0.00	0.00	0.05	0.00	---	0.29	0.02	0.00	1.77	0.00	0.20	0.00
31	0.00	---	0.00	0.00	---	0.14	---	0.40	---	0.00	0.01	---
TOTAL	3.26	4.80	2.79	3.54	---	0.81	1.26	3.87	14.00	5.19	3.32	12.65

ALTAMAHA RIVER BASIN
2004 Water Year

02207435 LITTLE HAYNES CREEK AT DIALS MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°42'40", long 83°54'52", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, on right bank of downstream side of bridge on Dial Mill Road, 0.1 miles northwest of Hightower Trail Road, 0.7 miles south of GA 138, 0.6 miles west of Mount Zion Road, and 0.6 miles east of confluence with Big Haynes Creek.

DRAINAGE AREA.—25.1 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 19, 2002, to current year.

REMARKS.— Medium code 9 indicates a surface water sample and medium code 1 indicates a suspended sediment sample. Hydrologic condition 9 indicates baseflow, 8 indicates rising stage, 7 indicates peak stage, 5 indicates falling stage, and 4 indicates low stable stage. Sample type 9 indicates a routine sample. Hydrologic event 9 indicates a routine sample. Sampler type code 3001 represents a DH-48, 3044 represents a DH-81, 3052 represents a DH-95 with a plastic bottle, and 3070 represents a grab sample. Sampling method code 10 indicates Equal-Width-Increment, and 70 indicates grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis of Biological Oxygen Demand (BOD-5) during the period of October through September were analyzed by the US Geological Survey, Ocala Water-Quality Laboratory. Biological Oxygen Demand samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratories, Inc.-Denver, and stored under analyzing agency code 80855. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02207435 LITTLE HAYNES CREEK AT DIALS MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydrologic condition	Sample type	Hydrologic event	Sampler type, code (84164)	Sampling method, code (82398)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
16...	1015	9	9	9	9	3044	10	80020	4.15	16	9.8	6.9	52
NOV													
12...	1120	9	9	9	9	3070	70	80020	4.34	22	13	6.8	54
DEC													
10...	0950	9	8	9	9	3044	10	80020	4.65	36	31	6.9	47
JAN													
21...	1155	9	9	9	9	3044	10	80020	4.24	19	16	6.7	49
FEB													
17...	0915	9	5	9	9	3044	10	80020	4.90	55	19	6.8	43
MAR													
17...	0945	9	4	9	9	3044	10	80020	4.13	28	31	6.8	48
APR													
05...	0955	9	9	9	9	3070	10	80020	3.38	11	15	7.0	49
MAY													
03...	0840	9	5	9	9	3045	10	80020	4.21	30	61	6.9	46
26...	1000	9	9	9	9	3070	70	80020	3.60	15	32	7.0	53
JUN													
23...	1010	9	5	9	9	3070	10	80020	4.44	38	92	6.6	46
JUL													
19...	0935	9	4	9	9	3044	10	80020	3.66	16	18	6.9	54
26...	1030	9	7	9	9	3052	10	80020	6.12	140	280	6.4	37
AUG													
03...	1015	9	9	9	9	3044	10	80020	3.61	15	17	7.4	55
SEP													
08...	0910	9	5	9	9	3052	10	80020	7.96	510	120	6.3	32
08...	0911	9	5	9	9	3052	10	80855	7.96	510	120	6.3	32
08...	0912	1	5	9	9	3052	10	81350	7.96	510	120	6.3	32
17...	1130	9	5	9	9	3044	10	80020	7.45	373	120	7.2	32
17...	1131	9	5	9	9	3044	10	80855	7.45	373	120	7.2	32
17...	1132	1	5	9	9	3001	10	81350	7.45	373	120	7.2	32

02207435 LITTLE HAYNES CREEK AT DIALS MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Baro-metric pres-sure, mm Hg (00025)	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Dis-solved oxygen, mg/L (00300)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Hard-ness, water, mg/L as CaCO3 (00900)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
16...	751	13.3	14.3	.5	10.1	110	3.19	1.06	12	.17	.022	.03	.239
NOV													
12...	747	13.3	23.4	--	10.3	100	--	--	--	--	--	--	--
DEC													
10...	734	9.4	13.8	.9	11.6	E240k	2.77	.918	11	.35	.062	.08	.392
JAN													
21...	748	3.7	8.9	.2	11.0	E45k	2.79	.840	10	.18	.075	.10	.471
FEB													
17...	--	6.6	2.5	.3	--	160	2.18	.569	8	.23	.038	.05	.423
MAR													
17...	745	11.7	14.3	.2	11.3	100	2.82	.918	11	.14	.041	.05	.358
APR													
05...	742	10.9	13.7	<.1	10.4	72	2.41	.701	9	.16	.043	.06	.379
MAY													
03...	743	15.0	12.8	.5	8.8	--	1.94	.500	7	.30	.062	.08	.281
26...	745	22.0	28.1	--	9.3	110	--	--	--	--	--	--	--
JUN													
23...	749	22.5	--	1.2	11.7	330	2.99	.820	11	.49	.042	.05	.361
JUL													
19...	743	22.1	24.1	<2.0	8.6	150	3.31	.989	12	.16	.040	.05	.309
26...	751	22.9	30.1	3.7d	8.4	--	1.72	.460	6	.97	.064	.08	.317
AUG													
03...	744	23.6	24.7	<2.0	8.2	--p	3.56	.970	13	.15	.030	.04	.292
SEP													
08...	738	22.3	24.0	--	8.0	--	1.90	.553	7	.64	E.008n	.170	<.006
08...	738	22.3	24.0	<2.0	8.0	--	--	--	--	--	--	--	--
08...	738	22.3	24.0	--	--	--	--	--	--	--	--	--	--
17...	739	21.9	--	--	7.9	--	1.75	.524	7	.58	<.010	.139	<.006
17...	739	21.9	--	E1.3	7.9	E4200k	--	--	--	--	--	--	--
17...	739	21.9	--	--	7.9	--	--	--	--	--	--	--	--

02207435 LITTLE HAYNES CREEK AT DIALS MILL ROAD, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT													
16...	.15	<.006	.009	.41	<.4	<.08	E.4n	2.0	E.4	<.1	3	.12	71
NOV													
12...	--	--	--	--	--	--	--	3.1	E.3	<.1	--	--	--
DEC													
10...	.29	<.006	.044	.75	<.4	<.08	.6	4.3	1.2d	<.1d	21	2.1	58
JAN													
21...	.10	<.006	.009	.65	E.3n	<.08	.8	1.6	E.4d	<.1d	6	.29	65
FEB													
17...	.20	<.006	.017	.66	E.3n	E.04n	2.6	2.3	E.9	E.2	10	1.5	57
MAR													
17...	.10	<.006	.012	.50	E.3n	<.08	E.4n	2.3	.9d	<.1d	11	.83	76
APR													
05...	.11	<.006	.011	.54	E.4n	<.08	1.4	2.0	E.5d	<.1d	5	.15	86
MAY													
03...	.24	<.006	.042	.58	E.3n	E.06n	1.1	4.0	E.7d	E.2d	34	2.8	81
MAY													
26...	--	--	--	--	--	--	--	--	<.1d	<.1d	--	--	--
JUN													
23...	.45	<.006	.065	.85	.4	<.08	1.0	5.7	.6d	E.1d	22	2.2	84
JUL													
19...	.12	<.006	.013	.47	<.4	<.08	E.5n	2.4	E.6d	<.1d	10	.41	68
26...	.91	E.004n	.176	1.3	1.0	.15	1.8	10.8	3.5d	E.5d	186	70	80
AUG													
03...	.12	<.006	.011	.44	<.4	.11	E.4n	2.7	--	--	10	.40	86
SEP													
08...	--	--	.121	.81	1.0	.20	1.3	10.8	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	108	149	61
17...	--	--	.06	.72	5.8	.19	1.5	E8.2	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	104	105	65

Remark codes used in this table:
  < -- Less than
  E -- Estimated value
Value qualifier codes used in this table:
  d -- Diluted sample: method hi range exceeded
  k -- Counts outside acceptable range
  n -- Below the LRL and above the LT-MDL
Null value qualifier codes used in this table:
  p -- Sample discarded: improper preservation

ALTAMAHA RIVER BASIN
2004 Water Year

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°42'40", long 83°54'52", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on right bank on downstream side of bridge on Dial Mill Road, 0.1 miles north west of Hightower Trail Road, 0.7 miles south of GA 138, 0.6 miles west of Mount Zion Road, and 0.6 miles east of confluence with Big Haynes Creek.

DRAINAGE AREA.—25.9 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.— Invertebrates: June 6, 2003 and August 3, 2004. Fishes: August 14, 2003 and September 24, 2004.

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 500 meters. Abbreviations: sp.-species, mm- millimeters, g-grams.

Invertebrates

	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Veneroida		
Corbiculidae		
Corbicula fluminea	5	
ANNELIDA		
Oligochaeta		
Lumbriculida		
Lumbriculidae	3	
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Procambarus sp.	6	
Insecta		
Ephemeroptera		
Baetidae		1
Acentrella ampla	1	
Baetis sp.	2	
Baetis intercalaris	1	
Ephemeridae		
Hexagenia sp.	3	
Heptageniidae		
Stenonema sp.	6	
Isonychiidae		
Isonychia sp.	3	
Odonata		
Calopterygidae		
Calopteryx sp.	1	
Gomphidae		1
Gomphus sp.	4	
Progomphus obscurus		1
Plecoptera		
Perlidae		
Neoperla sp.	2	

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

	Abundance	
	Multi-habitat	Visual
Hemiptera		
Gerridae		
Aquarius sp.		1
Megaloptera		
Corydalidae		
Corydalus cornutus	3	
Nigronia serricornis	1	
Trichoptera		
Brachycentridae		
Micrasema sp.	18	
Hydropsychidae		
Ceratopsyche sparna	1	
Cheumatopsyche sp.	10	
Hydropsyche sp.	15	
Hydropsyche betteni gp.	22	1
Rhyacophilidae		
Rhyacophila sp.	4	
Rhyacophila fuscula		1
Coleoptera		
Elmidae		
Ancyronyx variegata	1	
Macronychus glabratus	3	
Stenelmis sp.		1
Gyrinidae		
Dineutus sp.		2
Diptera		
Chironomidae		
Ablabesmyia mallochi	5	
Ablabesmyia rhamphe gp.	1	
Conchapelopia sp.	1	
Cricotopus sp.	1	
Cricotopus bicinctus	2	
Polypedilum flavum	8	
Rheocricotopus robacki	2	
Rheotanytarsus sp.	8	
Thienemanniella xena	1	
Tribelos sp.	1	1
Tvetenia discoloripes gp.	4	
Simuliidae		
Simulium sp.	19	
Tipulidae		
Antocha sp.	26	1
Pseudolimnophila sp.		
Tipula sp.	1	

Fishes

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Ameiurus brunneus	snail bullhead	1	133	24.8
Ameiurus brunneus	snail bullhead	1	75	4.4
Ameiurus brunneus	snail bullhead	1	95	9.0
Ameiurus brunneus	snail bullhead	1	140	31.5
Ameiurus brunneus	snail bullhead	1	68	303.0
Ameiurus brunneus	snail bullhead	1	85	7.0
Ameiurus brunneus	snail bullhead	1	110	15.1
Ameiurus brunneus	snail bullhead	1	150	30.0
Ameiurus brunneus	snail bullhead	1	126	20.3
Ameiurus brunneus	snail bullhead	1	80	5.5
Ameiurus brunneus	snail bullhead	1	75	4.0
Ameiurus brunneus	snail bullhead	1	115	16.2
Ameiurus brunneus	snail bullhead	1	115	15.6
Ameiurus brunneus	snail bullhead	1	138	26.0
Ameiurus brunneus	snail bullhead	1	160	44.1
Ameiurus brunneus	snail bullhead	1	103	10.8
Ameiurus brunneus	snail bullhead	1	115	16.9
Ameiurus brunneus	snail bullhead	1	98	8.8
Ameiurus brunneus	snail bullhead	1	100	9.7
Ameiurus brunneus	snail bullhead	1	75	4.1
Ameiurus brunneus	snail bullhead	1	74	5.0
Ameiurus brunneus	snail bullhead	1	118	19.6

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Ameiurus brunneus	snail bullhead	1	200	82.0
Ameiurus brunneus	snail bullhead	1	148	33.0
Ameiurus brunneus	snail bullhead	1	100	10.1
Ameiurus brunneus	snail bullhead	1	85	6.9
Ameiurus brunneus	snail bullhead	1	78	4.5
Ameiurus brunneus	snail bullhead	1	88	7.0
Ameiurus brunneus	snail bullhead	1	105	10.8
Ameiurus brunneus	snail bullhead	1	85	6.3
Ameiurus brunneus	snail bullhead	1	40	0.7
Ameiurus brunneus	snail bullhead	41	batch	1218.0
Ameiurus natalis	yellow bullhead	1	134	29.3
Ameiurus natalis	yellow bullhead	1	110	15.5
Ameiurus natalis	yellow bullhead	1	128	21.0
Ameiurus natalis	yellow bullhead	1	145	28.9
Ameiurus natalis	yellow bullhead	1	108	15.2
Ameiurus natalis	yellow bullhead	1	123	21.0
Ameiurus natalis	yellow bullhead	1	130	23.0
Centrarchus macropterus	flier	1	138	49.6
Cyprinella xaenura	Altamaha shiner	1	70	2.8
Cyprinella xaenura	Altamaha shiner	1	100	9.0
Cyprinella xaenura	Altamaha shiner	1	70	2.4
Cyprinella xaenura	Altamaha shiner	1	58	1.5
Cyprinella xaenura	Altamaha shiner	1	89	6.0
Cyprinella xaenura	Altamaha shiner	1	55	1.3
Cyprinella xaenura	Altamaha shiner	1	80	3.2
Cyprinella xaenura	Altamaha shiner	1	76	3.3
Cyprinella xaenura	Altamaha shiner	1	71	2.9
Cyprinella xaenura	Altamaha shiner	1	95	7.0
Cyprinella xaenura	Altamaha shiner	1	95	7.3
Cyprinella xaenura	Altamaha shiner	1	110	11.0
Cyprinella xaenura	Altamaha shiner	1	56	1.4
Cyprinella xaenura	Altamaha shiner	1	90	3.5
Cyprinella xaenura	Altamaha shiner	1	65	0.6
Cyprinella xaenura	Altamaha shiner	1	87	3.0
Cyprinella xaenura	Altamaha shiner	1	110	6.8
Cyprinella xaenura	Altamaha shiner	1	80	1.9
Cyprinella xaenura	Altamaha shiner	1	63	1.4
Cyprinella xaenura	Altamaha shiner	1	95	5.1
Cyprinella xaenura	Altamaha shiner	1	71	2.1
Cyprinella xaenura	Altamaha shiner	1	115	9.2
Cyprinella xaenura	Altamaha shiner	1	60	1.0
Cyprinella xaenura	Altamaha shiner	1	78	2.6
Cyprinella xaenura	Altamaha shiner	1	80	2.6
Cyprinella xaenura	Altamaha shiner	1	58	0.9
Cyprinella xaenura	Altamaha shiner	1	88	3.2
Cyprinella xaenura	Altamaha shiner	1	91	3.5
Cyprinella xaenura	Altamaha shiner	1	95	3.8
Cyprinella xaenura	Altamaha shiner	1	100	6.0
Cyprinella xaenura	Altamaha shiner	1	98	4.8
Cyprinella xaenura	Altamaha shiner	31	batch	131.2
Cyprinella xaenura	Altamaha shiner	1	40	0.5
Cyprinella xaenura	Altamaha shiner	1	90	5.8
Cyprinella xaenura	Altamaha shiner	1	87	5.3
Cyprinella xaenura	Altamaha shiner	1	31	0.2
Cyprinella xaenura	Altamaha shiner	1	26	0.2
Etheostoma hopkinsi	Christmas darter	1	45	0.9
Etheostoma inscriptum	turquoise darter	1	43	0.8
Etheostoma inscriptum	turquoise darter	1	60	1.4
Etheostoma inscriptum	turquoise darter	1	57	1.2
Etheostoma inscriptum	turquoise darter	1	50	1.1
Etheostoma inscriptum	turquoise darter	1	46	0.8
Gambusia holbrooki	eastern mosquitofish	1	31	0.3
Lepomis auritus	redbreast sunfish	1	90	10.0
Lepomis auritus	redbreast sunfish	1	123	34.0
Lepomis auritus	redbreast sunfish	1	128	34.0
Lepomis auritus	redbreast sunfish	1	125	29.0
Lepomis auritus	redbreast sunfish	1	65	2.8
Lepomis auritus	redbreast sunfish	1	118	22.0
Lepomis auritus	redbreast sunfish	1	75	2.6
Lepomis auritus	redbreast sunfish	1	80	6.2
Lepomis auritus	redbreast sunfish	1	63	2.4
Lepomis auritus	redbreast sunfish	1	69	2.7
Lepomis auritus	redbreast sunfish	1	81	4.8
Lepomis auritus	redbreast sunfish	1	83	5.2
Lepomis auritus	redbreast sunfish	1	74	4.1
Lepomis auritus	redbreast sunfish	1	85	6.4

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Lepomis auritus	redbreast sunfish	1	61	2.1
Lepomis auritus	redbreast sunfish	1	58	2.0
Lepomis auritus	redbreast sunfish	1	183	105.0
Lepomis auritus	redbreast sunfish	1	164	73.0
Lepomis auritus	redbreast sunfish	1	125	34.0
Lepomis auritus	redbreast sunfish	1	83	5.7
Lepomis auritus	redbreast sunfish	1	76	4.5
Lepomis auritus	redbreast sunfish	1	98	13.0
Lepomis auritus	redbreast sunfish	1	75	4.1
Lepomis auritus	redbreast sunfish	1	87	6.6
Lepomis auritus	redbreast sunfish	1	75	4.1
Lepomis auritus	redbreast sunfish	1	72	3.6
Lepomis auritus	redbreast sunfish	1	85	6.7
Lepomis auritus	redbreast sunfish	1	90	7.1
Lepomis auritus	redbreast sunfish	1	68	3.2
Lepomis auritus	redbreast sunfish	1	83	6.4
Lepomis auritus	redbreast sunfish	100	batch	1495.5
Lepomis cyanellus	green sunfish	1	56	2.7
Lepomis cyanellus	green sunfish	1	78	8.9
Lepomis cyanellus	green sunfish	1	70	5.7
Lepomis cyanellus	green sunfish	1	62	3.8
Lepomis cyanellus	green sunfish	1	125	41.0
Lepomis cyanellus	green sunfish	1	75	4.2
Lepomis cyanellus	green sunfish	1	75	4.7
Lepomis cyanellus	green sunfish	1	93	8.2
Lepomis cyanellus	green sunfish	1	45	1.0
Lepomis cyanellus	green sunfish	1	42	1.0
Lepomis cyanellus	green sunfish	1	80	5.4
Lepomis cyanellus	green sunfish	1	77	5.5
Lepomis cyanellus	green sunfish	1	88	7.1
Lepomis cyanellus	green sunfish	1	90	13.0
Lepomis cyanellus	green sunfish	1	76	9.8
Lepomis cyanellus	green sunfish	1	84	8.8
Lepomis cyanellus	green sunfish	1	125	35.0
Lepomis gulosus	warmouth	1	68	4.8
Lepomis gulosus	warmouth	1	70	6.4
Lepomis gulosus	warmouth	1	75	7.2
Lepomis gulosus	warmouth	1	80	8.4
Lepomis gulosus	warmouth	1	80	9.4
Lepomis gulosus	warmouth	1	80	9.3
Lepomis gulosus	warmouth	1	87	12.9
Lepomis gulosus	warmouth	1	97	17.1
Lepomis gulosus	warmouth	1	72	6.4
Lepomis gulosus	warmouth	1	68	5.5
Lepomis gulosus	warmouth	1	133	51.3
Lepomis gulosus	warmouth	1	81	9.3
Lepomis gulosus	warmouth	1	88	12.4
Lepomis gulosus	warmouth	1	95	13.5
Lepomis gulosus	warmouth	1	85	11.7
Lepomis gulosus	warmouth	1	70	5.8
Lepomis gulosus	warmouth	1	80	10.4
Lepomis gulosus	warmouth	1	80	10.5
Lepomis gulosus	warmouth	1	107	20.5
Lepomis gulosus	warmouth	1	90	12.1
Lepomis gulosus	warmouth	1	103	19.4
Lepomis gulosus	warmouth	1	98	17.0
Lepomis gulosus	warmouth	1	65	4.9
Lepomis gulosus	warmouth	1	100	13.5
Lepomis gulosus	warmouth	1	80	9.2
Lepomis gulosus	warmouth	1	85	11.2
Lepomis gulosus	warmouth	1	78	8.5
Lepomis gulosus	warmouth	1	80	4.3
Lepomis gulosus	warmouth	1	80	5.7
Lepomis gulosus	warmouth	1	98	10.4
Lepomis gulosus	warmouth	1	140	58.0
Lepomis gulosus	warmouth	1	150	70.0
Lepomis macrochirus	bluegill	1	80	8.5
Lepomis macrochirus	bluegill	1	99	15.0
Lepomis macrochirus	bluegill	1	96	4.5
Lepomis macrochirus	bluegill	1	120	28.0
Lepomis macrochirus	bluegill	1	80	7.8
Lepomis macrochirus	bluegill	1	85	9.0
Lepomis macrochirus	bluegill	1	78	7.5
Lepomis macrochirus	bluegill	1	80	8.6
Lepomis macrochirus	bluegill	1	87	10.3
Lepomis macrochirus	bluegill	1	105	18.5

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Lepomis macrochirus	bluegill	1	75	6.9
Lepomis macrochirus	bluegill	1	75	5.5
Lepomis macrochirus	bluegill	1	90	11.5
Lepomis macrochirus	bluegill	1	90	12.2
Lepomis macrochirus	bluegill	1	65	2.2
Lepomis macrochirus	bluegill	1	68	3.2
Lepomis macrochirus	bluegill	1	53	1.9
Lepomis macrochirus	bluegill	1	65	4.3
Lepomis macrochirus	bluegill	1	54	2.1
Lepomis macrochirus	bluegill	1	63	3.8
Lepomis macrochirus	bluegill	1	66	3.9
Lepomis macrochirus	bluegill	1	75	6.6
Lepomis macrochirus	bluegill	1	68	4.4
Lepomis macrochirus	bluegill	1	75	9.0
Lepomis macrochirus	bluegill	1	76	6.8
Lepomis macrochirus	bluegill	1	75	6.7
Lepomis macrochirus	bluegill	1	85	10.4
Lepomis macrochirus	bluegill	1	58	2.9
Lepomis macrochirus	bluegill	1	70	4.1
Lepomis macrochirus	bluegill	179	batch	1968.0
Lepomis megalotis	longear sunfish	1	84	6.2
Lepomis microlophus	redear sunfish	1	64	4.2
Lepomis microlophus	redear sunfish	1	70	5.0
Lepomis microlophus	redear sunfish	1	75	6.9
Lepomis microlophus	redear sunfish	1	60	3.6
Lepomis microlophus	redear sunfish	1	55	2.7
Lepomis microlophus	redear sunfish	1	57	2.6
Lepomis microlophus	redear sunfish	1	60	3.8
Lepomis microlophus	redear sunfish	1	75	7.2
Lepomis microlophus	redear sunfish	1	70	5.4
Lepomis microlophus	redear sunfish	1	70	5.4
Lepomis microlophus	redear sunfish	1	75	6.3
Lepomis microlophus	redear sunfish	1	72	5.2
Lepomis microlophus	redear sunfish	1	110	22.1
Lepomis microlophus	redear sunfish	1	110	22.0
Lepomis microlophus	redear sunfish	1	70	5.1
Lepomis microlophus	redear sunfish	1	104	18.0
Micropterus salmoides	largemouth bass	1	85	7.0
Micropterus salmoides	largemouth bass	1	96	10.9
Nocomis leptocephalus	bluehead chub	1	60	1.9
Nocomis leptocephalus	bluehead chub	1	105	27.8
Nocomis leptocephalus	bluehead chub	1	120	18.9
Nocomis leptocephalus	bluehead chub	1	40	2.4
Nocomis leptocephalus	bluehead chub	1	65	2.9
Nocomis leptocephalus	bluehead chub	1	93	5.0
Nocomis leptocephalus	bluehead chub	1	75	3.3
Nocomis leptocephalus	bluehead chub	1	120	11.6
Nocomis leptocephalus	bluehead chub	1	110	8.8
Nocomis leptocephalus	bluehead chub	1	68	2.1
Nocomis leptocephalus	bluehead chub	1	74	2.8
Nocomis leptocephalus	bluehead chub	1	62	1.7
Nocomis leptocephalus	bluehead chub	1	106	7.8
Nocomis leptocephalus	bluehead chub	1	40	0.4
Nocomis leptocephalus	bluehead chub	1	30	0.1
Nocomis leptocephalus	bluehead chub	1	65	1.9
Nocomis leptocephalus	bluehead chub	1	60	1.8
Nocomis leptocephalus	bluehead chub	1	94	6.1
Nocomis leptocephalus	bluehead chub	1	106	7.4
Nocomis leptocephalus	bluehead chub	1	96	6.6
Nocomis leptocephalus	bluehead chub	1	118	10.4
Nocomis leptocephalus	bluehead chub	1	30	0.2
Nocomis leptocephalus	bluehead chub	1	52	1.8
Nocomis leptocephalus	bluehead chub	1	64	1.5
Nocomis leptocephalus	bluehead chub	1	65	2.0
Nocomis leptocephalus	bluehead chub	1	68	1.5
Nocomis leptocephalus	bluehead chub	1	56	1.4
Nocomis leptocephalus	bluehead chub	1	110	8.6
Nocomis leptocephalus	bluehead chub	1	55	1.2
Nocomis leptocephalus	bluehead chub	1	97	7.1
Nocomis leptocephalus	bluehead chub	1	101	5.7
Nocomis leptocephalus	bluehead chub	1	91	5.3
Nocomis leptocephalus	bluehead chub	28	batch	379.0
Nocomis leptocephalus	bluehead chub	1	30	0.3
Nocomis leptocephalus	bluehead chub	1	33	0.5
Notropis cummingsae	dusky shiner	1	39	0.5
Notropis cummingsae	dusky shiner	1	37	0.3

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Notropis cummingsae	dusky shiner	1	33	0.3
Notropis cummingsae	dusky shiner	1	36	0.3
Notropis cummingsae	dusky shiner	1	35	0.4
Notropis cummingsae	dusky shiner	1	53	1.1
Notropis cummingsae	dusky shiner	1	48	0.9
Notropis hudsonius	spottail shiner	1	110	9.8
Notropis hudsonius	spottail shiner	1	62	1.9
Notropis hudsonius	spottail shiner	1	105	9.8
Notropis hudsonius	spottail shiner	1	66	2.4
Notropis hudsonius	spottail shiner	1	105	10.0
Notropis hudsonius	spottail shiner	1	100	6.9
Notropis hudsonius	spottail shiner	1	110	10.2
Notropis hudsonius	spottail shiner	1	70	2.6
Notropis hudsonius	spottail shiner	1	100	5.4
Notropis hudsonius	spottail shiner	1	100	4.8
Notropis hudsonius	spottail shiner	1	125	9.2
Notropis hudsonius	spottail shiner	1	105	6.6
Notropis hudsonius	spottail shiner	1	105	6.8
Notropis hudsonius	spottail shiner	1	95	4.2
Notropis hudsonius	spottail shiner	1	65	1.3
Notropis hudsonius	spottail shiner	1	105	6.5
Notropis hudsonius	spottail shiner	1	85	2.6
Notropis hudsonius	spottail shiner	1	91	2.8
Notropis hudsonius	spottail shiner	1	114	6.0
Notropis hudsonius	spottail shiner	1	100	4.5
Notropis hudsonius	spottail shiner	1	118	8.2
Notropis hudsonius	spottail shiner	1	76	2.1
Notropis hudsonius	spottail shiner	1	96	4.4
Notropis hudsonius	spottail shiner	1	70	1.7
Notropis hudsonius	spottail shiner	1	101	4.8
Notropis hudsonius	spottail shiner	1	63	1.2
Notropis hudsonius	spottail shiner	1	79	3.4
Notropis hudsonius	spottail shiner	1	100	5.8
Notropis hudsonius	spottail shiner	1	65	1.4
Notropis hudsonius	spottail shiner	1	72	3.2
Notropis hudsonius	spottail shiner	1	74	3.4
Notropis hudsonius	spottail shiner	1	73	3.2
Notropis hudsonius	spottail shiner	1	80	4.0
Notropis longirostris	longnose shiner	1	47	0.9
Notropis longirostris	longnose shiner	1	45	0.9
Notropis longirostris	longnose shiner	1	43	0.6
Notropis longirostris	longnose shiner	1	42	0.4
Notropis longirostris	longnose shiner	1	48	0.5
Notropis longirostris	longnose shiner	1	57	1.5
Notropis longirostris	longnose shiner	1	43	0.7
Notropis lutipinnis	yellowfin shiner	1	55	1.0
Notropis lutipinnis	yellowfin shiner	1	58	1.1
Notropis lutipinnis	yellowfin shiner	1	50	0.6
Notropis lutipinnis	yellowfin shiner	1	60	1.6
Notropis lutipinnis	yellowfin shiner	1	62	1.5
Notropis lutipinnis	yellowfin shiner	1	45	0.4
Notropis lutipinnis	yellowfin shiner	1	65	1.6
Notropis lutipinnis	yellowfin shiner	1	55	1.8
Notropis lutipinnis	yellowfin shiner	1	55	0.9
Notropis lutipinnis	yellowfin shiner	1	54	1.0
Notropis lutipinnis	yellowfin shiner	1	46	1.5
Notropis lutipinnis	yellowfin shiner	1	55	1.0
Notropis lutipinnis	yellowfin shiner	1	50	0.9
Notropis lutipinnis	yellowfin shiner	1	56	1.8
Notropis lutipinnis	yellowfin shiner	1	61	2.1
Notropis lutipinnis	yellowfin shiner	1	53	1.1
Notropis lutipinnis	yellowfin shiner	1	42	0.6
Notropis lutipinnis	yellowfin shiner	1	46	0.5
Notropis petersoni	coastal shiner	1	58	1.6
Noturus insignus	margined madtom	1	74	3.8
Noturus insignus	margined madtom	1	68	2.6
Noturus insignus	margined madtom	1	80	5.3
Noturus insignus	margined madtom	1	105	10.2
Noturus insignus	margined madtom	1	78	4.0
Noturus insignus	margined madtom	1	83	4.7
Noturus insignus	margined madtom	1	90	6.4
Noturus insignus	margined madtom	1	80	4.5
Noturus insignus	margined madtom	1	72	3.1
Noturus insignus	margined madtom	1	90	7.0
Noturus insignus	margined madtom	1	70	3.3
Noturus insignus	margined madtom	1	90	6.7

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Scientific Name	Common Name	Count	Total Length,mm	Weight,g
Noturus insignus	margined madtom	1	74	3.4
Noturus insignus	margined madtom	1	74	3.1
Noturus insignus	margined madtom	1	102	9.4
Noturus insignus	margined madtom	1	78	4.7
Noturus insignus	margined madtom	1	88	6.3
Noturus insignus	margined madtom	1	68	2.6
Noturus insignus	margined madtom	1	90	6.5
Noturus insignus	margined madtom	1	65	2.7
Noturus insignus	margined madtom	1	65	2.4
Noturus insignus	margined madtom	1	70	1.9
Noturus insignus	margined madtom	1	80	2.8
Noturus insignus	margined madtom	1	86	2.9
Noturus insignus	margined madtom	1	80	2.6
Noturus insignus	margined madtom	1	100	5.0
Noturus insignus	margined madtom	1	70	1.7
Noturus insignus	margined madtom	1	78	2.8
Noturus insignus	margined madtom	1	78	4.0
Noturus insignus	margined madtom	1	98	7.0
Noturus insignus	margined madtom	1	85	3.8
Noturus insignus	margined madtom	1	96	5.4
Percina nigrofasciata	blackbanded darter	1	76	4.5
Percina nigrofasciata	blackbanded darter	1	90	7.4
Percina nigrofasciata	blackbanded darter	1	65	1.9
Percina nigrofasciata	blackbanded darter	1	83	5.2
Percina nigrofasciata	blackbanded darter	1	55	1.6
Percina nigrofasciata	blackbanded darter	1	58	2.0
Percina nigrofasciata	blackbanded darter	1	84	5.3
Percina nigrofasciata	blackbanded darter	1	58	1.9
Percina nigrofasciata	blackbanded darter	1	71	3.2
Percina nigrofasciata	blackbanded darter	1	76	4.6
Percina nigrofasciata	blackbanded darter	1	64	2.2
Percina nigrofasciata	blackbanded darter	1	61	2.1
Percina nigrofasciata	blackbanded darter	1	80	5.0
Percina nigrofasciata	blackbanded darter	1	82	5.1
Percina nigrofasciata	blackbanded darter	1	67	2.6
Percina nigrofasciata	blackbanded darter	1	77	4.3
Percina nigrofasciata	blackbanded darter	1	66	2.7
Percina nigrofasciata	blackbanded darter	1	61	2.3
Percina nigrofasciata	blackbanded darter	1	64	2.3
Percina nigrofasciata	blackbanded darter	1	55	1.3
Percina nigrofasciata	blackbanded darter	1	63	2.1
Percina nigrofasciata	blackbanded darter	1	60	1.9
Percina nigrofasciata	blackbanded darter	1	60	1.8
Percina nigrofasciata	blackbanded darter	1	70	3.4
Percina nigrofasciata	blackbanded darter	1	73	3.7
Percina nigrofasciata	blackbanded darter	1	61	1.8
Percina nigrofasciata	blackbanded darter	1	70	2.9
Percina nigrofasciata	blackbanded darter	1	78	5.1
Percina nigrofasciata	blackbanded darter	1	60	1.9
Percina nigrofasciata	blackbanded darter	1	60	2.1
Percina nigrofasciata	blackbanded darter	103	batch	338.3
Percina nigrofasciata	blackbanded darter	1	97	9.2
Percina nigrofasciata	blackbanded darter	1	77	5.1
Percina nigrofasciata	blackbanded darter	1	48	0.9
Scartomyzon rupiscartes	striped jumprock	1	239	158.0
Scartomyzon rupiscartes	striped jumprock	1	178	52.0
Scartomyzon rupiscartes	striped jumprock	1	105	7.8
Scartomyzon rupiscartes	striped jumprock	1	215	115.0
Scartomyzon rupiscartes	striped jumprock	1	230	130.0
Scartomyzon rupiscartes	striped jumprock	1	205	98.0
Scartomyzon rupiscartes	striped jumprock	1	195	80.0
Scartomyzon rupiscartes	striped jumprock	1	220	119.0
Scartomyzon rupiscartes	striped jumprock	1	200	100.0
Scartomyzon rupiscartes	striped jumprock	1	180	65.0
Scartomyzon rupiscartes	striped jumprock	1	100	11.0
Scartomyzon rupiscartes	striped jumprock	1	180	64.0
Scartomyzon rupiscartes	striped jumprock	1	100	10.0
Scartomyzon rupiscartes	striped jumprock	1	175	60.0
Scartomyzon rupiscartes	striped jumprock	1	199	80.0
Scartomyzon rupiscartes	striped jumprock	1	176	55.0

ALTAMAHA RIVER BASIN
2004 Water Year

02207440 BIG HAYNES CREEK BELOW LITTLE HAYNES CREEK, NEAR CONYERS, GA

LOCATION.—Lat 33°42'31", long 83°55'29", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, located 120’ south of the confluence with Little Haynes Creek, 4.8 miles north of the confluence with Yellow River, 5 miles east of Milstead, and two miles west of Gum Creek Rd.

DRAINAGE AREA.—75.1 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 19, 2002, to current year.

REMARKS.— Medium code 9 indicates a surface water sample and medium code 1 indicates a suspended sediment sample. Hydrologic condition 9 indicates baseflow, 8 indicates rising stage, 5 indicates falling stage, and 4 indicates low stable stage. Sample type 9 indicates a routine sample. Hydrologic event 9 indicates a routine sample. Sampler type code 3001 represents a DH-48, and 3044 represents a DH-81. Sampling method code 10 indicates Equal-Width-Increment, 30 indicates single vertical, and 70 indicates grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis of Biological Oxygen Demand (BOD-5) during the period of October through September analyzed by the US Geological Survey, Ocala Water-Quality Laboratory. Biological Oxygen Demand samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratories, Inc.-Denver, and stored under analyzing agency code 80855. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02207440 BIG HAYNES CREEK BELOW LITTLE HAYNES CREEK, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydrologic condition	Sample type	Hydrologic event	Sampler type, code (84164)	Sampling method, code (82398)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
15...	1000	9	5	9	9	3044	10	80020	2.11	48	11	7.0	46
NOV													
12...	1050	9	9	9	9	3070	30	80020	2.32	62	8.9	6.9	49
DEC													
10...	1030	9	8	9	9	3044	10	80020	2.91	119	21	6.7	50
JAN													
20...	1230	9	9	9	9	3044	10	80020	2.54	87	10	6.8	49
FEB													
18...	0910	9	5	9	9	3044	10	80020	3.51	163	16	6.8	46
MAR													
18...	0930	9	4	9	9	3070	10	80020	2.46	79	16	6.8	47
APR													
05...	0810	9	9	9	9	3070	10	80020	2.32	57	10	6.9	48
MAY													
27...	1050	9	9	9	9	3070	70	80020	1.82	45	19	6.7	50
JUN													
07...	1115	9	4	9	9	3070	10	80020	1.45	33	15	6.8	52
23...	0925	9	5	9	9	3044	10	80020	2.67	132	36	6.7	45
JUL													
20...	1100	9	9	9	9	3044	10	80020	2.03	67	13	6.6	47
AUG													
02...	1130	9	9	9	9	3044	10	80020	1.77	47	14	7.0	45
SEP													
13...	0955	9	9	9	9	3044	10	80020	2.85	129	18	7.5	45
13...	0956	9	9	9	9	3070	10	80855	2.85	129	18	7.5	45
13...	0957	1	9	9	9	3001	10	81350	2.85	129	18	7.5	45
16...	1600	9	8	9	9	3044	10	80020	2.84	129	30	6.4	49
16...	1601	9	8	9	9	3044	10	80855	2.84	129	30	6.4	49
16...	1602	1	8	9	9	3001	10	81350	2.84	129	30	6.4	49

Date	Barometric pressure, mm Hg (00025)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Dissolved oxygen, mg/L (00300)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Hardness, water, mg/L as CaCO3 (00900)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
15...	746	18.3	16.3	.9	8.5	110	2.86	.884	11	.28	.057	.07	.097
NOV													
12...	750	15.6	21.9	--	9.7	60	--	--	--	--	--	--	--
DEC													
10...	735	10.6	11.0	.9	11.0	E230k	3.34	.884	12	--	--	--	--
JAN													
20...	747	6.9	7.2	.9	11.8	32	2.07	.491	7	.41	.183	.24	.326
FEB													
18...	753	6.5	9.3	1.1	12.6	E35k	2.87	.776	10	.34	.093	.12	.432
MAR													
18...	746	12.2	16.3	.5	10.3	47	2.22	.597	8	.18	.033	.04	.437
APR													
05...	739	12.4	8.3	.2	9.8	62	2.46	.641	9	.20	.039	.05	.445
MAY													
27...	746	25.2	25.9	--	8.5	--	--	--	--	--	--	--	--
JUN													
07...	749	23.6	28.6	<.1	8.1	120	3.13	.828	11	.23	.053	.07	.346
23...	746	26.4	--	.8	--	E3200k	2.35	.641	9	.42	.056	.07	.266
JUL													
20...	746	25.6	--	<2.0	8.2	44	2.68	.811	10	.32	.087	.11	.198
AUG													
02...	745	28.6	28.7	2.0	6.7	--p	2.45	.777	9	.26	.069	.09	.132
SEP													
13...	749	24.0	21.0	--	7.9	--	2.79	.765	10	.33	.014	.02	.085
13...	749	24.0	21.0	<2.0	7.9	--	--	--	--	--	--	--	--
16...	734	23.2	--	--	7.8	E10000k	2.93	.805	11	.38	.053	.07	.124
16...	734	23.2	--	E1.9	7.8	--	--	--	--	--	--	--	--

02207440 BIG HAYNES CREEK BELOW LITTLE HAYNES CREEK, NEAR CONYERS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT													
15...	.22	<.006	.013	.37	E.2n	<.08	<.6	3.8	E1.3	<.1	9	1.1	70
NOV													
12...	--	--	--	--	--	--	--	3.3	E.9	<.1	--	--	--
DEC													
10...	--	--	--	--	<.4	E.06n	1.7	2.9	2.1d	<.1d	15	4.8	47
JAN													
20...	.22	<.006	.014	.73	.7	<.08	1.6	3.8	E1.3d	<.1d	4	.94	84
FEB													
18...	.24	<.006	.019	.77	E.3n	E.07n	1.1	2.7	E6.7	<.1	11	4.8	74
MAR													
18...	.14	<.006	.014	.61	.5	E.07n	1.9	2.8	1.3d	<.1d	21	4.5	52
APR													
05...	.16	<.006	.012	.64	.6	<.08	.9	2.5	.7d	<.1d	7	1.1	76
MAY													
27...	--	--	--	--	--	--	--	--	--r	--r	--	--	--
JUN													
07...	.18	E.003n	<.004	.57	.4	<.08	E.4n	2.6	<.1d	<.1d	8	.73	74
23...	.37	<.006	.035	.69	.7	E.05n	1.5	3.8	.2d	<.1d	22	7.8	84
JUL													
20...	.23	<.006	.018	.52	E.3n	E.04n	E.4n	3.4	4.3d	E.3d	10	1.8	95
AUG													
02...	.19	<.006	.015	.39	E.2n	E.06n	1.0	3.5	E1.0d	E.3d	13	1.6	90
SEP													
13...	.32	<.006	.021	.42	E.4n	E.04n	.7	4.6	--	--	--	--	--
16...	.33	<.006	.043	.50	E.4n	E.07n	E.5n	4.8	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	38	13	82

Remark codes used in this table:
  < -- Less than
  E -- Estimated value
Value qualifier codes used in this table:
  d -- Diluted sample: method hi range exceeded
  k -- Counts outside acceptable range
  n -- Below the LRL and above the LT-MDL
Null value qualifier codes used in this table:
  p -- Sample discarded: improper preservation
  r -- Sample ruined in preparation

2004 Water Year

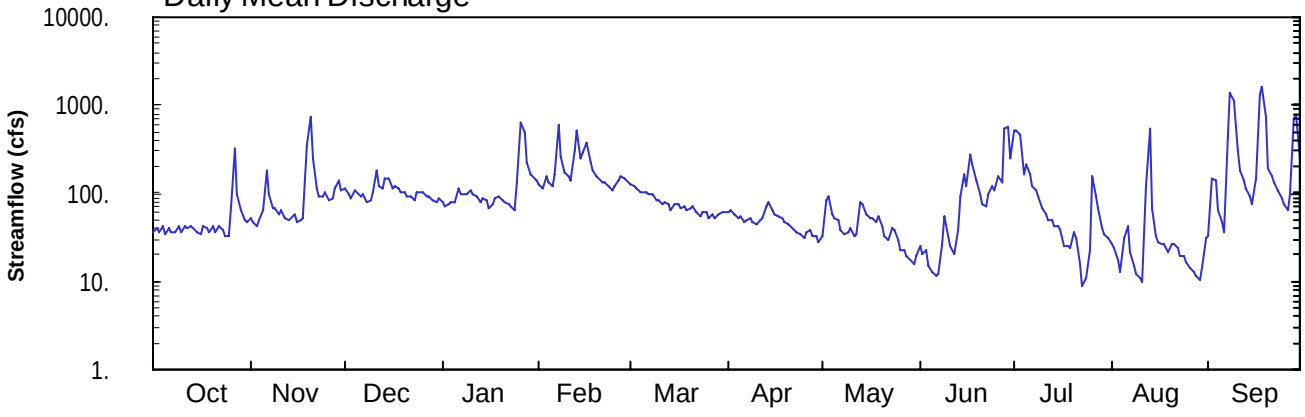
ALTAMAHA RIVER BASIN

02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NR MILSTEAD GA

Latitude: 33°39'41" Longitude: 083°55'40" Hydrologic Unit Code: 03070103

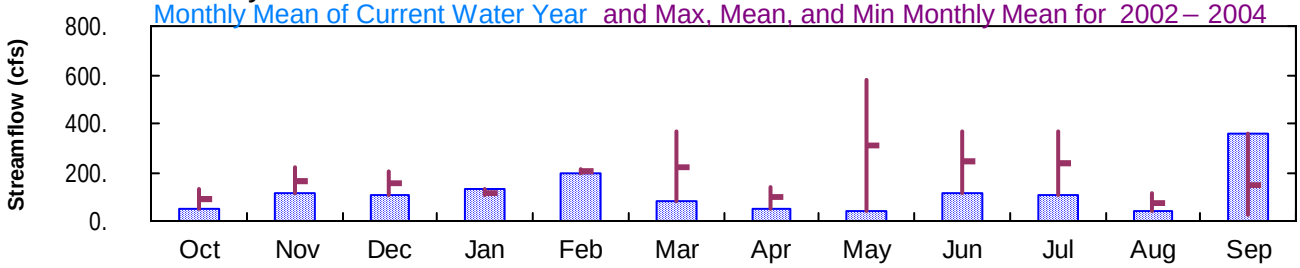
Newton County Datum: 620 feet Drainage Area: 79. mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2004 Water Year

02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°39'41", long 83°55'40", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on downstream left bank at Bald Rock Road, 0.75 miles upstream of Yellow River confluence, 0.5 miles south of Gees Mill Road, and 4.0 miles east of Milstead.

DRAINAGE AREA.—79.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 10, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 620.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair, except those for periods of estimated daily discharge, which are poor. Flow is regulated by Jack Turner Dam.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 10, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 620.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Flow is regulated by Jack Turner Dam.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.72 feet, September 18; minimum gage-height recorded, 3.25 feet, July 23, August 31.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 10, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333941 LONGITUDE 0835540 NAD83 DRAINAGE AREA 79* CONTRIBUTING DRAINAGE AREA DATUM 620 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	52	112	81	126	128	60	33	25	524	27	32
2	40	46	96	73	115	122	64	85	21	525	24	146
3	37	43	88	76	157	114	59	93	22	472	18	139
4	42	51	108	77	131	105	53	59	15	165	13	63
5	35	63	104	79	122	104	55	52	13	215	31	47
6	40	180	91	113	164	104	47	50	12	165	42	37
7	35	98	96	98	606	99	50	39	12	118	22	e450
8	36	67	81	99	255	99	51	35	27	108	15	e1400
9	43	67	84	97	174	84	46	36	55	92	12	e1100
10	36	58	102	105	154	85	44	40	34	69	11	302
11	43	63	179	99	143	75	49	34	25	58	10	178
12	40	52	118	93	303	78	51	34	21	50	120	139
13	42	50	116	80	522	77	72	79	38	49	e550	112
14	40	53	150	88	249	66	79	76	93	42	69	91
15	36	57	148	82	296	73	64	58	167	43	32	74
16	34	48	112	69	382	75	57	53	122	38	29	150
17	42	49	117	74	223	69	54	51	282	25	26	e1300
18	39	52	116	87	182	70	51	47	215	26	26	e1600
19	36	354	105	94	156	63	48	55	141	24	22	e750
20	43	e750	102	84	147	67	44	43	98	37	27	192
21	36	e250	90	79	136	70	42	33	76	32	26	156
22	42	111	93	73	130	60	38	30	69	16	23	135
23	37	93	84	70	120	55	36	40	96	9.0	20	110
24	33	92	104	66	110	60	34	38	120	11	19	90
25	33	102	103	137	118	61	31	30	106	23	16	74
26	70	84	102	e650	139	53	36	22	153	157	15	66
27	319	88	93	e500	157	57	38	22	131	93	13	95
28	95	115	92	226	145	53	32	19	535	67	11	e700
29	64	140	85	166	138	58	33	17	558	40	10	e800
30	50	111	79	153	---	62	28	16	254	34	14	246
31	46	---	86	137	---	62	---	19	---	32	31	---
TOTAL	1600	3439	3236	4005	5800	2408	1446	1338	3536	3359.0	1324	10774
MEAN	51.6	115	104	129	200	77.7	48.2	43.2	118	108	42.7	359
MAX	319	750	179	650	606	128	79	93	558	525	550	1600
MIN	33	43	79	66	110	53	28	16	12	9.0	10	32
CFSM	0.65	1.45	1.32	1.64	2.53	0.98	0.61	0.55	1.49	1.37	0.54	4.55
IN.	0.75	1.62	1.52	1.89	2.73	1.13	0.68	0.63	1.67	1.58	0.62	5.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	90.9	167	156	118	205	221	94.8	310	242	237	76.7	147
MAX	130	220	208	129	210	364	142	577	365	365	111	359
(WY)	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2003	2004
MIN	51.6	115	104	107	200	77.7	48.2	43.2	118	108	42.7	22.6
(WY)	2004	2004	2004	2003	2004	2004	2004	2004	2004	2004	2004	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	78342		42265.0			
ANNUAL MEAN	215		115		177	
HIGHEST ANNUAL MEAN					239	2003
LOWEST ANNUAL MEAN					115	2004
HIGHEST DAILY MEAN	3000	May 7	e 1600	Sep 18	3000	May 7 2003
LOWEST DAILY MEAN	22	Sep 18	9.0	Jul 23	3.0	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	31	Sep 15	14	Aug 24	6.5	Sep 7 2002
MAXIMUM PEAK STAGE			12.72	Sep 18	17.07	May 7 2003
ANNUAL RUNOFF (CFSM)	2.72		1.46		2.24	
ANNUAL RUNOFF (INCHES)	36.89		19.90		30.45	
10 PERCENT EXCEEDS	354		185		307	
50 PERCENT EXCEEDS	131		70		104	
90 PERCENT EXCEEDS	43		25		32	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333941 LONGITUDE 0835540 NAD83 DRAINAGE AREA 79* CONTRIBUTING DRAINAGE AREA DATUM 620 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.89	4.08	4.47	4.31	4.54	4.55	4.16	3.83	3.70	6.23	3.75	3.80
2	3.94	4.01	4.39	4.26	4.49	4.52	4.19	4.29	3.63	6.24	3.69	4.62
3	3.90	3.98	4.35	4.28	4.69	4.48	4.14	4.36	3.65	6.01	3.54	4.59
4	3.97	4.06	4.45	4.29	4.56	4.44	4.09	4.15	3.49	4.72	3.41	4.18
5	3.87	4.14	4.43	4.30	4.52	4.43	4.10	4.08	3.43	4.94	3.71	4.03
6	3.94	4.79	4.37	4.48	4.71	4.43	4.02	4.06	3.38	4.72	3.95	3.89
7	3.88	4.40	4.39	4.40	6.58	4.41	4.05	3.92	3.40	4.50	3.64	6.26
8	3.89	4.22	4.31	4.41	5.11	4.41	4.07	3.87	3.70	4.45	3.49	10.86
9	3.98	4.22	4.33	4.40	4.76	4.33	4.01	3.88	4.11	4.37	3.41	9.28
10	3.89	4.14	4.42	4.44	4.67	4.33	3.99	3.94	3.85	4.23	3.35	5.31
11	3.97	4.18	4.78	4.41	4.62	4.28	4.05	3.85	3.72	4.14	3.32	4.78
12	3.93	4.07	4.50	4.37	5.31	4.29	4.07	3.86	3.60	4.05	4.22	4.60
13	3.96	4.06	4.49	4.31	6.23	4.29	4.25	4.27	3.89	4.04	6.57	4.47
14	3.94	4.08	4.65	4.35	5.09	4.21	4.30	4.28	4.32	3.96	4.13	4.36
15	3.88	4.13	4.64	4.32	5.28	4.26	4.19	4.14	4.73	3.98	3.84	4.27
16	3.86	4.03	4.47	4.24	5.64	4.27	4.13	4.08	4.52	3.90	3.78	4.62
17	3.96	4.04	4.50	4.27	4.98	4.24	4.10	4.06	5.22	3.72	3.73	10.17
18	3.93	4.08	4.49	4.34	4.80	4.24	4.07	4.02	4.94	3.72	3.73	12.33
19	3.89	5.50	4.44	4.38	4.68	4.19	4.03	4.11	4.61	3.69	3.64	7.23
20	3.97	7.80	4.42	4.33	4.64	4.22	3.99	3.97	4.40	3.90	3.74	4.84
21	3.88	5.19	4.36	4.29	4.59	4.24	3.96	3.85	4.28	3.82	3.73	4.68
22	3.96	4.47	4.38	4.26	4.56	4.16	3.92	3.80	4.24	3.49	3.68	4.58
23	3.90	4.38	4.33	4.24	4.51	4.11	3.88	3.93	4.39	3.27	3.60	4.46
24	3.84	4.37	4.43	4.21	4.46	4.16	3.85	3.91	4.51	3.34	3.59	4.36
25	3.84	4.42	4.43	4.56	4.50	4.17	3.82	3.77	4.44	3.56	3.52	4.27
26	4.12	4.33	4.42	7.38	4.60	4.09	3.89	3.65	4.67	4.68	3.47	4.21
27	5.37	4.35	4.38	6.41	4.69	4.13	3.91	3.66	4.56	4.37	3.43	4.37
28	4.38	4.48	4.37	4.99	4.63	4.09	3.83	3.59	6.29	4.22	3.37	7.28
29	4.19	4.60	4.33	4.73	4.60	4.14	3.84	3.55	6.38	3.93	3.33	8.08
30	4.06	4.47	4.30	4.67	---	4.18	3.77	3.52	5.10	3.85	3.45	5.07
31	4.01	---	4.34	4.59	---	4.18	---	3.58	---	3.83	3.71	---
MEAN	4.00	4.44	4.43	4.56	4.86	4.27	4.02	3.93	4.30	4.25	3.73	5.66
MAX	5.37	7.80	4.78	7.38	6.58	4.55	4.30	4.36	6.38	6.24	6.57	12.33
MIN	3.84	3.98	4.30	4.21	4.46	4.09	3.77	3.52	3.38	3.27	3.32	3.80

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333941 LONGITUDE 0835540 NAD83 DRAINAGE AREA 79* CONTRIBUTING DRAINAGE AREA DATUM 620 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.31	0.00	2.48
2	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.36	0.00	0.02	0.00	0.27
3	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00
4	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
5	0.00	1.57	0.01	0.47	0.01	0.00	0.00	0.00	0.00	0.00	2.12	0.00
6	0.03	0.02	0.00	0.00	1.19	0.10	0.00	0.00	0.00	0.00	0.00	0.34
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.74	0.00	3.92
8	0.03	0.00	0.00	0.04	0.00	0.00	0.03	0.00	0.11	0.00	0.00	0.06
9	0.00	0.00	0.00	0.24	0.00	0.10	0.00	0.00	0.04	0.20	0.00	0.00
10	0.01	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
11	0.01	0.00	0.00	0.01	0.20	0.00	0.04	0.05	0.00	0.00	0.00	0.00
12	0.01	0.00	0.00	0.00	1.12	0.00	0.30	0.78	0.72	0.23	1.25	0.00
13	0.00	0.00	0.32	0.00	0.00	0.00	0.40	0.06	0.19	0.00	0.00	0.00
14	0.01	0.00	0.34	0.00	0.62	0.00	0.00	0.00	0.22	0.52	0.00	0.00
15	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.37	0.00	0.00	0.00
16	0.00	0.00	0.01	0.00	0.00	0.06	0.00	0.00	0.47	0.00	0.00	2.08
17	0.06	0.00	0.23	0.26	0.00	0.00	0.00	0.00	0.00	0.05	0.08	0.18
18	0.00	0.54	0.00	0.23	0.00	0.00	0.00	1.07	0.17	0.01	0.00	0.00
19	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.13	0.00
21	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.29	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.28	0.00	0.01	0.00
23	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
24	0.00	0.17	0.01	0.00	0.10	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	0.00	2.15	0.32	0.00	0.00	0.00	0.64	2.53	0.00	0.00
26	3.59	0.00	0.00	0.12	0.42	0.00	0.26	0.00	0.00	0.51	0.00	0.00
27	0.00	0.37	0.00	0.01	0.14	0.00	0.01	0.00	1.06	0.08	0.00	2.18
28	0.01	0.57	0.00	0.00	0.00	0.00	0.00	0.02	0.94	0.01	0.00	0.01
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.07	0.01	0.16	0.00	0.00
30	0.00	0.00	0.02	0.00	---	0.29	0.01	0.00	3.38	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.14	---	0.42	---	0.00	0.00	---
TOTAL	3.76	4.52	2.57	3.53	4.95	0.84	1.05	3.23	10.10	5.91	3.61	11.52

ALTAMAHA RIVER BASIN
2004 Water Year

02208050 ALCOVY RIVER NEAR LAWRENCEVILLE, GA

LOCATION.—Lat 33°58'40", long 83°56'23", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at bridge on US 29, 3.2 miles northeast of Lawrenceville.

DRAINAGE AREA.—9.97 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-STAGE RECORDS

PERIOD OF RECORD.—1964 to 1974, 1995 to April 23, 2003 (crest-stage gage), April 23, 2003 to current year.

GAGE.—Water-stage recorder. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to April 23, 2003, station was operated as a crest-stage gage at the same location and datum.

REMARKS.—Records good.

EXTREMES FOR 2003 WATER YEAR.—Maximum gage-height recorded, 6.88 feet, July 1; minimum gage-height recorded, 1.51 feet, September 19.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.00 feet, September 16; minimum gage-height recorded, 1.41 feet, July 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 23, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208050 ALCOVY RIVER NEAR LAWRENCEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 297
LATITUDE 335840 LONGITUDE 0835623 NAD27 DRAINAGE AREA 9.97 CONTRIBUTING DRAINAGE AREA 9.97* DATUM 920.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.60	1.74	1.82	1.78	1.77	1.86	1.80	1.87	1.68	2.29	1.67	1.76
2	1.59	1.73	1.80	1.77	2.04	1.86	1.75	2.50	1.57	2.26	1.61	2.41
3	1.58	1.71	1.78	1.76	2.16	1.86	1.73	1.97	1.53	1.93	1.57	1.84
4	1.60	1.72	2.00	1.76	1.93	1.84	1.71	1.87	1.52	2.11	1.52	1.70
5	1.58	1.96	1.90	2.06	1.88	1.83	1.70	1.82	1.48	1.97	1.87	1.64
6	1.57	2.07	1.84	1.96	2.49	2.04	1.69	1.77	1.47	1.78	1.85	1.62
7	1.58	1.87	1.81	1.86	2.18	1.86	1.70	1.74	1.60	1.71	1.67	4.04
8	1.68	1.79	1.87	1.83	1.99	1.79	1.70	1.70	2.02	1.66	1.57	2.83
9	1.62	1.75	1.89	1.97	1.92	1.79	1.67	1.70	1.99	1.75	1.52	2.20
10	1.61	1.74	2.51	1.87	1.88	1.77	1.67	1.71	1.74	1.68	1.50	2.04
11	1.62	1.73	2.10	1.83	1.85	1.76	1.78	1.67	1.59	1.59	1.52	1.93
12	1.62	1.73	1.96	1.82	2.58	1.76	1.90	1.87	1.61	1.57	2.63	1.85
13	1.60	1.72	1.99	1.81	2.08	1.75	2.53	2.09	1.76	1.55	1.97	1.81
14	1.61	1.70	2.34	1.80	2.28	1.77	2.06	1.85	1.73	1.76	1.78	1.80
15	1.61	1.71	2.00	1.78	2.50	1.78	1.94	1.76	1.68	1.89	1.70	1.79
16	1.59	1.72	2.00	1.80	2.20	1.85	1.88	1.73	1.67	1.68	1.65	3.38
17	1.59	1.85	2.13	1.79	2.03	1.80	1.84	1.70	1.67	1.78	1.62	2.87
18	1.60	1.93	1.94	1.98	1.97	1.88	1.82	2.23	1.56	1.73	1.59	2.17
19	1.58	2.99	1.86	1.82	1.95	1.87	1.80	2.12	1.50	1.55	1.56	1.92
20	1.58	2.07	1.83	1.79	1.95	1.78	1.77	2.04	1.46	1.48	1.55	1.84
21	1.58	1.89	1.82	1.77	1.92	1.75	1.74	1.84	1.81	1.46	1.57	1.74
22	1.60	1.81	1.81	1.76	1.86	1.74	1.77	1.86	1.98	1.45	1.55	1.65
23	1.62	1.78	1.87	1.74	1.83	1.73	1.80	1.76	1.96	1.45	1.54	1.62
24	1.63	1.88	2.17	1.73	1.84	1.76	1.70	1.73	1.86	1.44	1.54	1.61
25	1.63	1.81	1.90	2.87	1.84	1.82	1.67	1.69	2.34	1.45	1.54	1.62
26	2.16	1.78	1.85	2.37	2.08	1.74	1.82	1.61	2.06	1.74	1.53	1.59
27	2.08	1.98	1.83	2.06	2.12	1.73	1.76	1.57	2.15	1.81	1.51	2.72
28	1.85	2.26	1.81	1.93	1.98	1.72	1.68	1.54	2.21	2.22	1.50	2.70
29	1.80	1.96	1.80	1.89	1.89	1.70	1.68	1.55	1.90	1.97	1.78	2.03
30	1.76	1.87	1.88	1.86	---	2.03	1.68	1.56	1.81	2.05	1.77	1.85
31	1.76	---	1.80	1.79	---	1.86	---	1.84	---	1.76	1.63	---
MEAN	1.66	1.88	1.93	1.89	2.03	1.81	1.79	1.81	1.76	1.76	1.66	2.09
MAX	2.16	2.99	2.51	2.87	2.58	2.04	2.53	2.50	2.34	2.29	2.63	4.04
MIN	1.57	1.70	1.78	1.73	1.77	1.70	1.67	1.54	1.46	1.44	1.50	1.59

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208050 ALCOVY RIVER NEAR LAWRENCEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 297
LATITUDE 335840 LONGITUDE 0835623 NAD27 DRAINAGE AREA 9.97 CONTRIBUTING DRAINAGE AREA 9.97* DATUM 920.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.87	0.00	2.05	0.00	1.92
2	0.00	0.00	0.00	0.00	0.68	0.02	0.00	1.04	0.00	0.05	0.00	0.52
3	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.01	0.42	0.00	0.01	0.00	0.00	0.00	0.00	0.86	0.00	0.00
5	0.00	0.90	0.02	0.65	0.04	0.00	0.00	0.00	0.00	0.00	0.63	0.00
6	0.00	0.04	0.00	0.01	0.97	0.39	0.00	0.00	0.00	0.01	0.00	0.17
7	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	6.58
8	0.20	0.00	0.00	0.05	0.00	0.00	0.01	0.00	1.52	0.00	0.00	0.10
9	0.00	0.00	0.00	0.23	0.00	0.05	0.00	0.00	0.58	0.00	0.00	0.00
10	0.00	0.00	1.16	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.05	0.00	0.00	0.00	0.13	0.00	0.17	0.01	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.01	0.97	0.00	0.90	0.87	0.11	0.00	2.34	0.00
13	0.00	0.00	0.54	0.00	0.00	0.00	0.55	0.03	0.33	0.00	0.00	0.00
14	0.08	0.00	0.25	0.00	0.51	0.00	0.00	0.00	0.12	0.61	0.00	0.00
15	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.21	0.00	0.00	0.00
16	0.00	0.01	0.08	0.00	0.00	0.13	0.00	0.00	0.32	0.00	0.00	5.24
17	0.03	0.24	0.15	0.19	0.00	0.00	0.00	0.00	0.01	0.64	0.00	0.32
18	0.01	0.98	0.01	0.20	0.00	0.00	0.00	2.38	0.07	0.00	0.00	0.00
19	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
21	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	0.20	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.26	0.00	0.00	0.00
23	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00
24	0.00	0.28	0.01	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.02	0.00
25	0.00	0.00	0.00	2.17	0.16	0.00	0.00	0.00	0.69	0.22	0.00	0.00
26	1.25	0.00	0.00	0.01	0.06	0.00	0.30	0.00	0.02	0.28	0.00	0.00
27	0.02	0.68	0.00	0.03	0.69	0.00	0.00	0.00	0.74	1.20	0.00	3.65
28	0.00	0.31	0.01	0.00	0.00	0.00	0.00	0.02	0.33	0.01	0.00	0.05
29	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.13	1.27	0.00
30	0.00	0.00	0.11	0.00	---	0.49	0.07	0.00	0.11	0.01	0.00	0.00
31	0.00	---	0.00	0.00	---	0.09	---	0.53	---	0.00	0.00	---
TOTAL	1.65	4.85	3.51	3.57	4.90	1.19	2.01	6.79	6.58	6.07	4.32	18.55

2004 Water Year

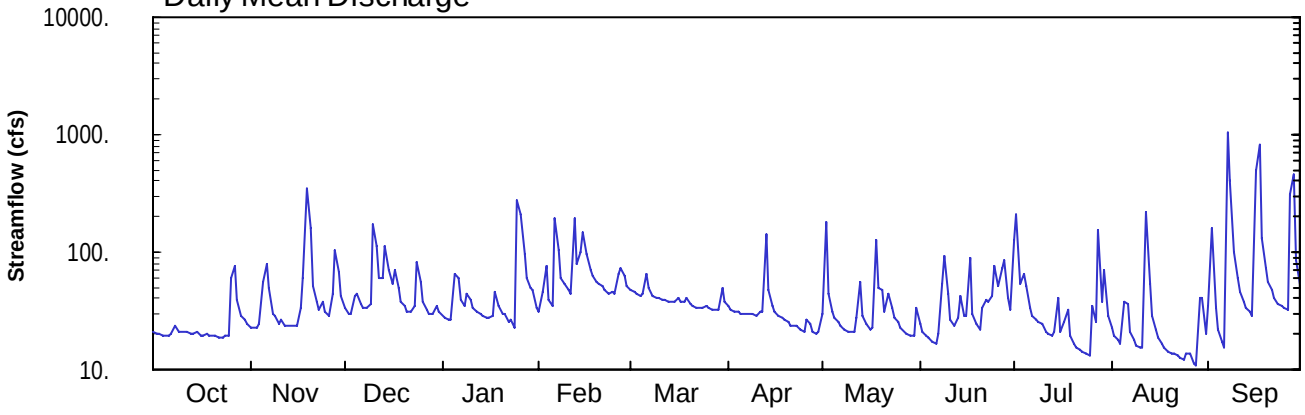
ALTAMAHA RIVER BASIN

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

Latitude: 33°55'03" Longitude: 083°53'17" Hydrologic Unit Code: 03070103

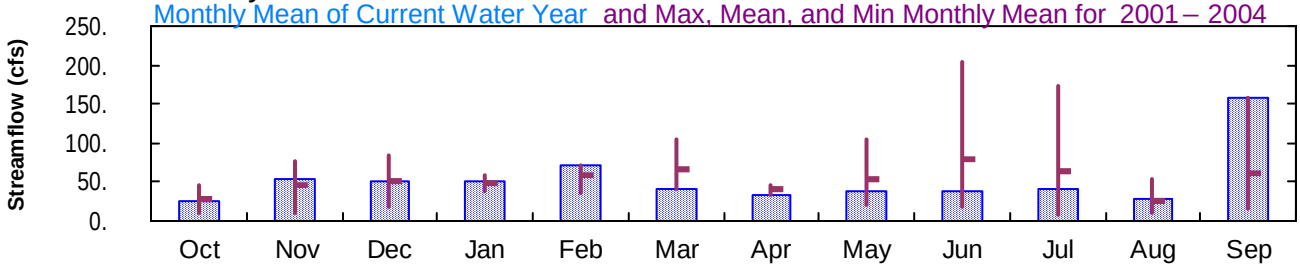
Gwinnett County Datum: 850.00 feet Drainage Area: 30.8 mi^2

Daily Mean Discharge

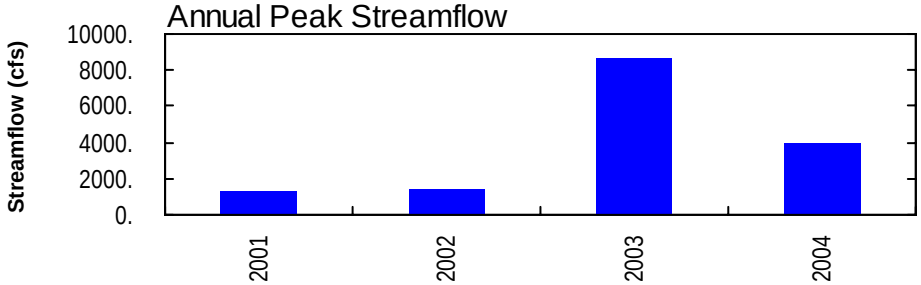


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

LOCATION.—Lat 33°55'03", long 83°53'17", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 8.0 feet downstream of bridge at New Hope Road, and 4.2 miles northeast of Grayson.

DRAINAGE AREA.—30.8 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 7, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 7, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 12.14 feet, September 17; minimum gage-height, 2.73 feet, August 28, 29.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 7, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8* DATUM 850.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	e23	e34	e28	31	48	35	30	24	125	22	35
2	21	e23	e30	e27	46	45	32	182	21	209	20	158
3	20	e22	e29	e26	76	45	31	44	19	54	18	33
4	20	e25	e43	e26	39	43	31	31	18	65	17	22
5	19	e56	e43	e65	35	43	30	27	17	52	38	17
6	19	e79	e36	e60	196	65	29	26	16	33	37	16
7	20	e49	e33	e40	105	49	29	24	20	29	21	1050
8	24	e30	e33	e34	61	42	30	22	53	26	18	407
9	21	e29	e36	e44	53	41	29	21	92	25	16	99
10	21	e25	e174	e40	47	41	28	21	45	24	16	60
11	21	e26	e114	e34	44	39	31	21	27	21	16	46
12	21	e23	e59	e31	194	39	31	27	23	21	221	38
13	20	e23	e60	e30	80	38	144	56	27	19	53	34
14	20	e23	e111	e29	98	37	48	28	42	21	28	31
15	21	e23	e70	e28	150	37	35	24	28	41	22	29
16	20	e23	e54	e28	95	41	31	22	29	21	19	500
17	20	e33	e71	e28	e70	38	29	23	90	26	17	809
18	20	e59	e49	e47	e62	37	27	125	30	32	16	129
19	20	e345	e38	e35	56	41	27	50	25	19	14	73
20	19	e160	e34	e29	54	36	25	48	22	17	14	55
21	19	e51	e32	e29	51	35	24	31	34	15	14	48
22	19	e37	e31	e25	47	34	23	45	39	15	13	41
23	19	e32	e34	e26	45	33	24	34	38	14	13	37
24	19	e38	e83	e23	46	33	22	27	42	13	12	35
25	19	e31	e57	e271	44	34	21	26	76	13	14	34
26	61	e28	e38	e209	65	33	26	23	52	35	14	33
27	e76	e45	e32	e96	73	32	25	21	74	25	11	313
28	e39	e103	e30	e59	62	32	21	20	87	152	11	450
29	e28	e67	e30	e50	51	32	20	19	42	38	41	86
30	e27	e43	e35	e48	---	49	21	19	33	70	41	54
31	e24	---	e31	33	---	38	---	34	---	28	20	---
TOTAL	758	1574	1584	1578	2076	1230	959	1151	1185	1298	847	4772
MEAN	24.5	52.5	51.1	50.9	71.6	39.7	32.0	37.1	39.5	41.9	27.3	159
MAX	76	345	174	271	196	65	144	182	92	209	221	1050
MIN	19	22	29	23	31	32	20	19	16	13	11	16
CFSM	0.79	1.70	1.66	1.65	2.32	1.29	1.04	1.21	1.28	1.36	0.89	5.16
IN.	0.92	1.90	1.91	1.91	2.51	1.49	1.16	1.39	1.43	1.57	1.02	5.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	27.2	46.8	50.4	49.5	59.4	66.7	40.8	53.0	79.3	64.2	25.9	61.5
MAX	46.9	76.9	83.3	59.4	71.6	104	46.5	104	205	173	53.8	159
(WY)	2003	2003	2003	2002	2004	2003	2003	2003	2003	2003	2003	2004
MIN	10.2	11.1	16.7	38.4	36.5	39.7	32.0	21.6	18.6	8.75	9.27	14.9
(WY)	2002	2002	2002	2003	2002	2004	2004	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	28958		19012			
ANNUAL MEAN	79.3		51.9		55.9	
HIGHEST ANNUAL MEAN					86.0	2003
LOWEST ANNUAL MEAN					29.8	2002
HIGHEST DAILY MEAN	2240	Jun 17	1050	Sep 7	2240	Jun 17 2003
LOWEST DAILY MEAN	19	Oct 5	11	Aug 27 a	2.5	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	19	Oct 19	13	Aug 22	2.8	Aug 9 2002
MAXIMUM PEAK FLOW			3920	Sep 17		
MAXIMUM PEAK STAGE			12.14	Sep 17	14.93	Jun 17 2003
ANNUAL RUNOFF (CFSM)	2.58		1.69		1.82	
ANNUAL RUNOFF (INCHES)	34.98		22.96		24.67	
10 PERCENT EXCEEDS	124		81		92	
50 PERCENT EXCEEDS	42		32		32	
90 PERCENT EXCEEDS	23		19		9.6	

e Estimated
a Also Aug 28

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8* DATUM 850.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.23	---	---	---	3.48	3.66	3.42	3.38	3.15	4.11	3.11	3.35
2	3.22	---	---	---	3.65	3.62	3.35	4.97	3.06	5.12	3.03	4.70
3	3.20	---	---	---	4.17	3.61	3.33	3.67	3.02	3.77	2.99	3.37
4	3.19	---	---	---	3.65	3.58	3.31	3.41	2.99	3.81	2.94	3.09
5	3.18	---	---	---	3.56	3.59	3.30	3.32	2.96	3.72	3.29	2.96
6	3.18	---	---	---	4.88	3.91	3.28	3.28	2.94	3.38	3.43	2.91
7	3.20	---	---	---	4.44	3.68	3.28	3.23	3.04	3.28	3.07	7.66
8	3.30	---	---	---	3.88	3.57	3.30	3.18	3.73	3.21	2.99	6.34
9	3.24	---	---	---	3.74	3.55	3.28	3.15	4.21	3.18	2.93	4.38
10	3.22	---	---	---	3.65	3.54	3.26	3.15	3.58	3.16	2.91	3.86
11	3.22	---	---	---	3.59	3.51	3.33	3.16	3.22	3.08	2.91	3.63
12	3.23	---	---	---	5.04	3.50	3.34	3.30	3.13	3.06	4.85	3.48
13	3.21	---	---	---	4.14	3.47	4.80	3.83	3.23	3.01	3.73	3.39
14	3.20	---	---	---	4.36	3.47	3.73	3.35	3.54	3.04	3.25	3.32
15	3.24	---	---	---	4.81	3.47	3.50	3.25	3.26	3.49	3.09	3.27
16	3.19	---	---	---	4.34	3.54	3.42	3.19	3.26	3.07	3.00	5.10
17	3.19	---	---	---	---	3.49	3.36	3.21	4.12	3.14	2.95	7.25
18	3.21	---	---	---	---	3.46	3.33	4.26	3.29	3.32	2.91	4.71
19	3.19	---	---	---	3.79	3.53	3.31	3.68	3.17	3.02	2.86	4.05
20	3.17	---	---	---	3.76	3.44	3.27	3.65	3.10	2.94	2.85	3.79
21	3.17	---	---	---	3.73	3.43	3.24	3.31	3.32	2.90	2.85	3.66
22	3.17	---	---	---	3.65	3.39	3.22	3.56	3.48	2.89	2.83	3.53
23	3.17	---	---	---	3.61	3.38	3.23	3.39	3.46	2.86	2.81	3.46
24	3.17	---	---	---	3.63	3.37	3.19	3.24	3.53	2.84	2.80	3.41
25	3.18	---	---	---	3.60	3.40	3.16	3.19	3.87	2.83	2.85	3.39
26	3.78	---	---	---	3.92	3.38	3.29	3.12	3.71	3.40	2.84	3.36
27	---	---	---	---	4.06	3.36	3.26	3.07	3.80	3.14	2.77	4.83
28	---	---	---	---	3.89	3.35	3.16	3.03	4.20	4.65	2.75	6.34
29	---	---	---	---	3.72	3.34	3.14	3.02	3.55	3.45	3.22	4.22
30	---	---	---	---	---	3.67	3.16	3.02	3.36	3.91	3.49	3.76
31	---	---	---	3.54	---	3.48	---	3.35	---	3.25	3.04	---
MEAN	---	---	---	---	---	3.51	3.35	3.38	3.41	3.36	3.08	4.15
MAX	---	---	---	---	---	3.91	4.80	4.97	4.21	5.12	4.85	7.66
MIN	---	---	---	---	---	3.34	3.14	3.02	2.94	2.83	2.75	2.91

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8* DATUM 850.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	0.00	0.00	0.00	0.36	0.00	1.82	0.00	0.47
2	0.00	---	---	---	0.57	0.00	0.00	1.05	0.00	0.16	0.00	1.99
3	0.00	---	---	---	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.00
4	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
5	0.00	---	---	---	0.04	0.00	0.00	0.00	0.00	0.00	0.63	0.00
6	0.00	---	---	---	---	0.27	0.00	0.00	0.00	0.01	0.00	0.21
7	0.02	---	---	---	---	0.00	0.00	0.00	0.27	0.00	0.00	4.97
8	0.20	---	---	---	---	0.00	0.18	0.00	0.40	0.00	0.00	0.06
9	0.00	---	---	---	---	0.03	0.00	0.00	0.77	0.00	0.00	0.00
10	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.03	---	---	---	---	0.00	0.09	0.32	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	0.00	0.47	0.41	0.01	0.00	1.80	0.00
13	0.00	---	---	---	0.00	0.00	0.51	0.06	1.22	0.00	0.00	0.00
14	0.07	---	---	---	0.55	0.00	0.01	0.00	0.77	0.37	0.00	0.00
15	0.00	---	---	---	0.53	0.00	0.00	0.00	0.18	0.00	0.00	0.00
16	0.00	---	---	---	0.00	0.07	0.00	0.00	0.77	0.00	0.00	3.07
17	0.14	---	---	---	0.00	0.00	0.00	0.00	0.02	0.28	0.00	0.21
18	0.01	---	---	---	0.00	0.00	0.00	0.87	0.03	0.00	0.00	0.00
19	0.00	---	---	---	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00
21	0.00	---	---	---	0.01	0.02	0.00	0.00	0.04	0.00	0.00	0.00
22	0.00	---	---	---	0.00	0.00	0.00	0.40	0.25	0.00	0.00	0.00
23	0.00	---	---	---	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00
24	0.00	---	---	---	0.10	0.00	0.00	0.00	0.02	0.00	0.02	0.00
25	0.00	---	---	---	0.16	0.00	0.00	0.00	0.41	1.25	0.00	0.00
26	2.17	---	---	---	0.07	0.00	0.25	0.00	0.02	0.29	0.00	0.00
27	---	---	---	---	0.73	0.00	0.00	0.00	1.29	0.10	0.00	3.18
28	---	---	---	---	0.00	0.00	0.00	0.01	0.17	0.00	0.00	0.03
29	---	---	---	---	0.00	0.00	0.00	0.03	0.01	0.32	1.05	0.00
30	---	---	---	---	---	0.41	0.05	0.00	0.22	0.00	0.25	0.00
31	---	---	---	0.00	---	0.11	---	0.33	---	0.00	0.01	---
TOTAL	---	---	---	---	---	0.91	1.56	3.85	7.39	4.65	4.08	14.19

ALTAMAHA RIVER BASIN
2004 Water Year

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

LOCATION.—Lat 33°55'03", long 83°53'17", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 8.0 feet downstream of bridge at New Hope Road, and 4.2 miles northeast of Grayson.

DRAINAGE AREA.—30.8 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.— March 8, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: March 8, 2001 to current year.
WATER TEMPERATURE: March 8, 2001 to current year.
TURBIDITY: March 8, 2001 to current year.

INSTRUMENTATION.— Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.— Records good, except turbidity, which are poor. Missing record caused by bridge construction, during which minimum temperature may not have been recorded.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 114 microsiemens, September 14, 2004; minimum recorded, 14 microsiemens, June 17, 2003.
WATER TEMPERATURE: Maximum recorded, 26.5°C, July 11, 2001, July 13, 2004; minimum recorded, 0.0°C, January 4, 5, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <2.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 114 microsiemens, September 14; minimum recorded, 25 microsiemens, September 16, 17.
WATER TEMPERATURE: Maximum recorded, 26.5°C, July 13; minimum recorded, 4.0°C, February 8.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	80	79	79	---	---	---	---	---	---	---	---	---
2	80	74	78	---	---	---	---	---	---	---	---	---
3	79	78	79	---	---	---	---	---	---	---	---	---
4	80	78	79	---	---	---	---	---	---	---	---	---
5	80	77	79	---	---	---	---	---	---	---	---	---
6	79	78	78	---	---	---	---	---	---	---	---	---
7	80	79	79	---	---	---	---	---	---	---	---	---
8	83	79	80	---	---	---	---	---	---	---	---	---
9	83	78	80	---	---	---	---	---	---	---	---	---
10	80	78	79	---	---	---	---	---	---	---	---	---
11	80	79	79	---	---	---	---	---	---	---	---	---
12	80	79	80	---	---	---	---	---	---	---	---	---
13	80	79	79	---	---	---	---	---	---	---	---	---
14	80	78	79	---	---	---	---	---	---	---	---	---
15	82	79	81	---	---	---	---	---	---	---	---	---
16	81	78	79	---	---	---	---	---	---	---	---	---
17	79	78	79	---	---	---	---	---	---	---	---	---
18	79	78	79	---	---	---	---	---	---	---	---	---
19	79	78	78	---	---	---	---	---	---	---	---	---
20	79	78	78	---	---	---	---	---	---	---	---	---
21	79	78	78	---	---	---	---	---	---	---	---	---
22	79	78	78	---	---	---	---	---	---	---	---	---
23	79	78	78	---	---	---	---	---	---	---	---	---
24	79	78	79	---	---	---	---	---	---	---	---	---
25	79	78	79	---	---	---	---	---	---	---	---	---
26	79	64	76	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	77	74	76
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	77	75	76	75	74	75	76	73	75	79	72	77
2	77	66	75	76	75	75	75	74	75	72	44	57
3	70	54	60	76	75	75	76	75	75	69	62	66
4	66	60	63	76	75	76	76	74	75	---	---	---
5	62	61	62	77	75	76	76	74	75	---	---	---
6	64	45	56	78	68	74	78	74	76	---	---	---
7	54	47	51	75	69	73	92	74	81	---	---	---
8	57	54	56	77	75	76	77	73	75	---	---	---
9	59	57	58	77	75	76	76	74	75	---	---	---
10	---	---	---	78	75	77	76	75	75	---	---	---
11	---	---	---	77	76	77	77	74	75	77	75	76
12	---	---	---	77	76	76	78	73	75	79	67	76
13	---	---	---	77	75	76	73	59	64	75	61	66
14	---	---	---	76	75	76	72	68	70	75	71	73
15	---	---	---	76	75	76	73	71	72	78	75	76
16	---	---	---	76	73	75	74	73	73	78	77	78
17	---	---	---	77	74	75	74	73	74	81	76	79
18	---	---	---	76	74	75	75	74	74	77	50	68
19	75	73	74	81	70	74	76	74	75	---	---	---
20	74	72	73	74	73	74	76	75	75	---	---	---
21	74	72	72	75	74	75	78	76	77	78	73	76
22	74	72	73	76	75	75	79	78	78	80	52	74
23	74	72	73	76	75	75	80	76	78	78	70	73
24	74	73	73	76	74	75	83	77	79	81	78	80
25	75	72	74	77	72	75	79	76	78	83	79	82
26	75	71	73	74	72	73	84	74	78	82	79	80
27	87	73	81	75	73	74	---	---	---	83	81	82
28	81	73	75	75	74	75	---	---	---	83	81	82
29	75	73	74	76	74	75	77	76	77	83	80	82
30	---	---	---	82	70	75	77	75	76	84	81	83
31	---	---	---	74	70	73	---	---	---	86	70	78
MONTH	---	---	---	82	68	75	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	75	70	73	88	53	82	73	69	71	76	58	69
2	78	75	77	69	53	64	75	72	73	64	38	52
3	81	78	80	74	69	72	78	75	76	75	64	71
4	81	79	80	77	65	74	80	75	77	78	75	76
5	80	79	79	77	65	71	79	56	73	79	78	79
6	80	79	79	88	77	81	69	56	64	80	79	80
7	80	61	76	---	---	---	72	68	70	79	32	48
8	81	59	69	---	---	---	75	71	72	60	44	53
9	65	37	56	---	---	---	74	72	73	71	60	67
10	70	48	62	---	---	---	78	73	76	78	71	75
11	76	70	73	---	---	---	78	77	77	85	78	81
12	78	76	77	---	---	---	78	34	55	89	85	86
13	87	59	79	---	---	---	67	53	60	94	89	91
14	74	61	68	87	74	84	71	65	68	114	85	99
15	76	69	74	87	68	73	74	71	73	85	83	84
16	80	56	78	79	74	76	79	74	75	84	25	70
17	66	43	58	80	77	79	78	76	77	49	25	40
18	77	66	72	79	62	69	84	78	81	58	49	53
19	80	77	79	79	74	77	80	78	79	65	58	61
20	80	79	79	---	---	---	81	78	79	72	65	68
21	91	73	79	---	---	---	82	79	80	74	71	72
22	79	73	75	---	---	---	81	80	80	80	74	76
23	75	70	72	81	79	80	81	80	80	82	78	81
24	78	70	73	79	78	79	81	80	80	82	81	81
25	82	63	76	80	63	78	82	78	80	84	82	83
26	80	66	75	82	53	68	79	76	78	84	82	82
27	84	60	78	73	63	68	80	77	78	82	42	72
28	71	58	66	70	39	54	79	78	79	62	43	54
29	82	70	77	68	44	65	80	53	74	71	62	66
30	87	82	85	65	41	52	70	52	64	76	71	75
31	---	---	---	69	61	66	76	70	74	---	---	---
MONTH	91	37	74	---	---	---	84	34	74	114	25	72

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	80	79	79	---	---	---	---	---	---	---	---	---
2	80	74	78	---	---	---	---	---	---	---	---	---
3	79	78	79	---	---	---	---	---	---	---	---	---
4	80	78	79	---	---	---	---	---	---	---	---	---
5	80	77	79	---	---	---	---	---	---	---	---	---
6	79	78	78	---	---	---	---	---	---	---	---	---
7	80	79	79	---	---	---	---	---	---	---	---	---
8	83	79	80	---	---	---	---	---	---	---	---	---
9	83	78	80	---	---	---	---	---	---	---	---	---
10	80	78	79	---	---	---	---	---	---	---	---	---
11	80	79	79	---	---	---	---	---	---	---	---	---
12	80	79	80	---	---	---	---	---	---	---	---	---
13	80	79	79	---	---	---	---	---	---	---	---	---
14	80	78	79	---	---	---	---	---	---	---	---	---
15	82	79	81	---	---	---	---	---	---	---	---	---
16	81	78	79	---	---	---	---	---	---	---	---	---
17	79	78	79	---	---	---	---	---	---	---	---	---
18	79	78	79	---	---	---	---	---	---	---	---	---
19	79	78	78	---	---	---	---	---	---	---	---	---
20	79	78	78	---	---	---	---	---	---	---	---	---
21	79	78	78	---	---	---	---	---	---	---	---	---
22	79	78	78	---	---	---	---	---	---	---	---	---
23	79	78	78	---	---	---	---	---	---	---	---	---
24	79	78	79	---	---	---	---	---	---	---	---	---
25	79	78	79	---	---	---	---	---	---	---	---	---
26	79	64	76	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	77	74	76
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	77	75	76	75	74	75	76	73	75	79	72	77
2	77	66	75	76	75	75	75	74	75	72	44	57
3	70	54	60	76	75	75	76	75	75	69	62	66
4	66	60	63	76	75	76	76	74	75	---	---	---
5	62	61	62	77	75	76	76	74	75	---	---	---
6	64	45	56	78	68	74	78	74	76	---	---	---
7	54	47	51	75	69	73	92	74	81	---	---	---
8	57	54	56	77	75	76	77	73	75	---	---	---
9	59	57	58	77	75	76	76	74	75	---	---	---
10	---	---	---	78	75	77	76	75	75	---	---	---
11	---	---	---	77	76	77	77	74	75	77	75	76
12	---	---	---	77	76	76	78	73	75	79	67	76
13	---	---	---	77	75	76	73	59	64	75	61	66
14	---	---	---	76	75	76	72	68	70	75	71	73
15	---	---	---	76	75	76	73	71	72	78	75	76
16	---	---	---	76	73	75	74	73	73	78	77	78
17	---	---	---	77	74	75	74	73	74	81	76	79
18	---	---	---	76	74	75	75	74	74	77	50	68
19	75	73	74	81	70	74	76	74	75	---	---	---
20	74	72	73	74	73	74	76	75	75	---	---	---
21	74	72	72	75	74	75	78	76	77	78	73	76
22	74	72	73	76	75	75	79	78	78	80	52	74
23	74	72	73	76	75	75	80	76	78	78	70	73
24	74	73	73	76	74	75	83	77	79	81	78	80
25	75	72	74	77	72	75	79	76	78	83	79	82
26	75	71	73	74	72	73	84	74	78	82	79	80
27	87	73	81	75	73	74	---	---	---	83	81	82
28	81	73	75	75	74	75	---	---	---	83	81	82
29	75	73	74	76	74	75	77	76	77	83	80	82
30	---	---	---	82	70	75	77	75	76	84	81	83
31	---	---	---	74	70	73	---	---	---	86	70	78
MONTH	---	---	---	82	68	75	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	75	70	73	88	53	82	73	69	71	76	58	69
2	78	75	77	69	53	64	75	72	73	64	38	52
3	81	78	80	74	69	72	78	75	76	75	64	71
4	81	79	80	77	65	74	80	75	77	78	75	76
5	80	79	79	77	65	71	79	56	73	79	78	79
6	80	79	79	88	77	81	69	56	64	80	79	80
7	80	61	76	---	---	---	72	68	70	79	32	48
8	81	59	69	---	---	---	75	71	72	60	44	53
9	65	37	56	---	---	---	74	72	73	71	60	67
10	70	48	62	---	---	---	78	73	76	78	71	75
11	76	70	73	---	---	---	78	77	77	85	78	81
12	78	76	77	---	---	---	78	34	55	89	85	86
13	87	59	79	---	---	---	67	53	60	94	89	91
14	74	61	68	87	74	84	71	65	68	114	85	99
15	76	69	74	87	68	73	74	71	73	85	83	84
16	80	56	78	79	74	76	79	74	75	84	25	70
17	66	43	58	80	77	79	78	76	77	49	25	40
18	77	66	72	79	62	69	84	78	81	58	49	53
19	80	77	79	79	74	77	80	78	79	65	58	61
20	80	79	79	---	---	---	81	78	79	72	65	68
21	91	73	79	---	---	---	82	79	80	74	71	72
22	79	73	75	---	---	---	81	80	80	80	74	76
23	75	70	72	81	79	80	81	80	80	82	78	81
24	78	70	73	79	78	79	81	80	80	82	81	81
25	82	63	76	80	63	78	82	78	80	84	82	83
26	80	66	75	82	53	68	79	76	78	84	82	82
27	84	60	78	73	63	68	80	77	78	82	42	72
28	71	58	66	70	39	54	79	78	79	62	43	54
29	82	70	77	68	44	65	80	53	74	71	62	66
30	87	82	85	65	41	52	70	52	64	76	71	75
31	---	---	---	69	61	66	76	70	74	---	---	---
MONTH	91	37	74	---	---	---	84	34	74	114	25	72

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.9	<5.0	<5.0	---	---	---	---	---	---	---	---	---
2	14	<5.0	<5.0	---	---	---	---	---	---	---	---	---
3	8.2	<5.0	<5.0	---	---	---	---	---	---	---	---	---
4	5.8	<5.0	<5.0	---	---	---	---	---	---	---	---	---
5	7.6	<5.0	<5.0	---	---	---	---	---	---	---	---	---
6	20	<5.0	<5.0	---	---	---	---	---	---	---	---	---
7	8.0	<5.0	<5.0	---	---	---	---	---	---	---	---	---
8	21	<5.0	7.7	---	---	---	---	---	---	---	---	---
9	14	<5.0	<5.0	---	---	---	---	---	---	---	---	---
10	11	<5.0	<5.0	---	---	---	---	---	---	---	---	---
11	19	<5.0	6.5	---	---	---	---	---	---	---	---	---
12	9.1	<5.0	<5.0	---	---	---	---	---	---	---	---	---
13	24	<5.0	7.2	---	---	---	---	---	---	---	---	---
14	30	<5.0	7.5	---	---	---	---	---	---	---	---	---
15	13	6.5	9.5	---	---	---	---	---	---	---	---	---
16	10	5.0	5.7	---	---	---	---	---	---	---	---	---
17	12	<5.0	5.7	---	---	---	---	---	---	---	---	---
18	9.6	<5.0	5.4	---	---	---	---	---	---	---	---	---
19	22	<5.0	8.3	---	---	---	---	---	---	---	---	---
20	16	7.7	10	---	---	---	---	---	---	---	---	---
21	128	13	22	---	---	---	---	---	---	---	---	---
22	516	17	21	---	---	---	---	---	---	---	---	---
23	25	11	12	---	---	---	---	---	---	---	---	---
24	23	9.5	12	---	---	---	---	---	---	---	---	---
25	21	12	15	---	---	---	---	---	---	---	---	---
26	519	11	14	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	23	13	16
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	16	9.6	12	18	8.6	10	15	7.4	8.7	24	6.5	14
2	183	9.2	11	15	8.0	9.9	10	6.1	7.5	1280	19	173
3	244	36	64	14	7.8	9.3	12	5.8	7.1	84	32	45
4	50	23	32	15	7.2	9.0	10	5.9	7.2	34	18	24
5	40	12	21	31	7.9	11	9.9	6.1	7.1	23	12	14
6	1390	11	42	91	9.2	33	12	5.8	7.2	---	---	---
7	451	72	112	28	10	14	11	5.7	6.8	---	---	---
8	---	---	---	14	7.8	9.5	22	6.2	8.2	---	---	---
9	---	---	---	13	7.1	9.0	10	5.2	6.9	---	---	---
10	---	---	---	12	6.5	8.1	15	5.1	6.7	---	---	---
11	21	12	14	18	6.1	7.7	20	5.6	8.3	30	5.8	9.9
12	>2200	14	107	12	6.4	7.7	143	5.9	7.8	256	7.2	12
13	52	24	31	17	7.5	9.3	632	47	143	410	35	100
14	---	---	---	20	10	13	51	20	27	36	12	17
15	---	---	---	25	11	14	25	11	16	16	8.4	10
16	---	---	---	58	12	18	18	8.4	11	18	6.6	8.9
17	---	---	---	65	6.4	8.6	17	7.1	9.6	17	7.7	10
18	---	---	---	19	5.7	7.3	14	5.9	7.4	---	---	---
19	21	14	15	20	6.0	9.0	13	5.7	7.1	---	---	---
20	16	12	14	12	5.5	7.3	14	5.2	7.9	---	---	---
21	16	12	13	12	6.1	7.5	14	5.4	7.1	---	---	---
22	18	10	12	12	5.9	7.2	11	5.2	6.7	---	---	---
23	15	9.3	12	11	5.8	7.0	13	<5.0	7.0	---	---	---
24	28	11	12	11	6.2	7.4	10	5.2	7.0	---	---	---
25	27	10	14	13	6.2	7.8	9.6	<5.0	6.4	---	---	---
26	64	13	20	13	6.2	7.8	40	6.1	8.7	---	---	---
27	67	20	30	11	6.5	8.0	---	---	---	---	---	---
28	39	14	20	11	6.6	8.0	---	---	---	---	---	---
29	18	11	12	17	6.6	8.4	12	<5.0	6.2	---	---	---
30	---	---	---	66	7.9	27	8.2	<5.0	6.2	---	---	---
31	---	---	---	22	9.0	12	---	---	---	---	---	---
MAX	---	---	---	91	12	33	---	---	---	---	---	---
MIN	---	---	---	11	5.5	7.0	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	28	16	20	478	12	62
2	16	8.8	11	---	---	---	84	16	18	1870	56	266
3	19	8.2	11	---	---	---	20	13	17	94	36	49
4	19	9.3	12	---	---	---	20	13	15	62	36	46
5	17	8.9	11	---	---	---	555	13	16	63	34	52
6	24	8.8	11	---	---	---	221	35	68	70	27	51
7	1330	7.5	13	17	8.5	12	130	26	40	1190	43	371
8	1340	78	148	---	---	---	---	---	---	245	74	133
9	2150	91	226	---	---	---	---	---	---	---	---	---
10	562	42	87	---	---	---	---	---	---	---	---	---
11	46	18	27	---	---	---	54	7.0	8.8	---	---	---
12	30	12	17	---	---	---	---	---	---	---	---	---
13	285	14	30	---	---	---	---	---	---	---	---	---
14	214	36	79	266	7.1	9.6	---	---	---	---	---	---
15	40	14	22	356	30	118	---	---	---	10	7.1	8.1
16	>2200	11	16	30	12	15	---	---	---	1630	7.3	10
17	>2200	100	216	227	9.2	13	---	<5.0	---	815	128	228
18	100	27	50	239	18	44	12	7.8	9.5	137	55	88
19	30	14	21	---	---	---	10	6.6	8.2	63	28	39
20	22	10	13	---	---	---	34	6.3	7.9	30	21	24
21	247	9.3	14	---	---	---	10	6.1	7.3	45	16	20
22	147	31	92	15	6.4	8.2	8.8	5.8	6.6	20	15	16
23	272	31	66	17	6.5	8.2	9.0	5.6	6.9	17	14	15
24	235	23	48	11	6.4	8.0	9.1	5.7	6.8	18	12	14
25	1450	16	23	232	6.4	7.8	14	5.7	7.0	20	11	12
26	481	42	96	734	35	65	23	8.5	10	16	10	11
27	1370	22	38	448	15	26	10	5.6	7.1	528	10	14
28	635	100	146	1230	57	184	8.2	5.5	6.7	370	76	149
29	286	28	48	787	31	46	1020	5.6	7.0	84	34	46
30	61	19	26	1660	67	209	298	35	66	41	23	28
31	---	---	---	70	24	35	36	14	19	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

LOCATION.—Lat 33°55'03", long 83°53'17", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, and 4.2 miles northeast of Grayson.

DRAINAGE AREA.—30.8 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 15, 1996 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)	Magnes-ium, water, fltrd, mg/L (00925)
OCT													
02...	1200	--	9	81213	20	3.21	--	9.0	--	8	6.20	22	1.70
DEC													
16...	1335	--	9	81213	38	3.62	--	14	1.4	12	6.00	22	1.60
FEB													
12-12	0611	1102	J	81213	--	--	--	530	2.6	9	4.30	15	1.10
MAR													
04...	1155	--	9	81213	42	3.58	--	8.3	E.4	<5	5.70	21	1.70
24...	1145	--	9	81213	32	3.37	--	6.4	<.1	<5	5.50	21	1.70
MAY													
12-13	2336	0351	J	81213	--	--	--	250	2.6	17	4.50	16	1.20
27...	0955	--	9	81213	21	3.07	--	12	.9	6	5.20	19	1.40
MAY													
31-31	1038	1551	J	81213	--	--	--	170	3.2	9	5.40	20	1.50
JUL													
12...	0935	--	9	81213	21	3.06	--	9.6	.3	<5	6.80	24	1.80
AUG													
05-06	1500	0447	J	80855	--	--	250	320	5.6	E14	5.20	26	1.30
SEP													
16-17	1748	0229	J	80855	--	--	630	910	4.0	E15	2.30	21	.59

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Loss on ig-nition, from ROE, wat unf mg/L (00505)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)
OCT													
02...	--	--	54	4	2	.46	.470	A.069	<.20	<.02	<.02	<.5	<1
DEC													
16...	--	--	49	6	1	.53	.530	A.082	.20	<.02	<.02	<.5	<1
FEB													
12-12	--	--	34	446	62	.40	.400	A.078	1.0	<.02	.25	<.5	8
MAR													
04...	--	--	54	4	2	.55	.550	A.060	<.20	<.02	<.02	<.5	<1
24...	--	--	57	2	2	.54	.560	A.070	<.20	<.02	<.02	<.5	<1
MAY													
12-13	--	--	45	219	36	.51	.520	A.119	1.1	<.02	.17	<.5	5
27...	--	--	61	6	2	.53	.540	A.154	.30	<.02	<.02	<.5	<1
MAY													
31-31	--	--	53	155	24	.54	.540	A.123	1.0	<.02	.13	<.5	2
JUL													
12...	--	--	54	5	2	.13	.400	A.051	<.20	<.02	<.02	<.5	<1
AUG													
05-06	2.4	66	66	360	59	.530	.520	E.070	1.1	<.050	.082	<5	13
SEP													
16-17	2.5	--	130	730	100	.170	.210	E.044	.84	<.050	.370	<2.0	31

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT						
02...	<2	<2	355	2	--	7
DEC						
16...	<2	<2	255	5	--	7
FEB						
12-12	8	20	733	58	65	716
MAR						
04...	<2	<2	221	3	--	5
24...	<2	<2	290	3	--	6
MAY						
12-13	6	10	844	33	56	254
27...	<2	<2	379	2	--	8
MAY						
31-31	2	7	579	18	76	180
JUL						
12...	<2	<2	393	2	--	7
AUG						
05-06	M	M	910	60	90	359
SEP						
16-17	20	M	800	70	91	747

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)
OCT											
02...	1214	9	27.0	21	3.22	96	9.6	7.0	78	14.6	10
02...	1215	9	18.0	21	3.22	96	9.6	7.0	79	14.7	13
02...	1216	9	9.00	21	3.22	96	9.5	7.0	79	14.7	14
DEC											
16...	1340	9	7.00	38	3.62	91	10.8	6.7	74	7.0	16
16...	1341	9	17.0	38	3.62	91	10.8	6.7	75	7.0	16
16...	1342	9	27.0	38	3.62	91	10.8	6.7	75	7.0	17
FEB											
12...	0800	J	30.0	375	6.41	109	12.6	6.8	58	7.3	500
12...	0801	J	20.0	375	6.41	109	12.7	6.8	32	7.3	510
12...	0802	J	10.0	375	6.41	112	13.0	6.8	53	7.3	540
MAR											
04...	1159	9	4.00	42	3.58	98	9.9	6.5	77	14.7	9.6
04...	1200	9	11.0	42	3.58	98	9.9	6.5	76	14.7	9.6
04...	1201	9	18.0	42	3.58	98	9.9	6.5	76	14.7	9.6
24...	1151	9	7.00	32	3.37	94	10.4	7.1	77	10.5	7.5
24...	1153	9	14.0	33	3.38	94	10.4	7.1	77	10.6	8.1
24...	1154	9	21.0	33	3.38	95	10.4	7.1	77	10.6	8.1
MAY											
27...	0959	9	2.00	21	3.07	86	7.7	6.5	83	20.9	14
27...	1000	9	7.00	21	3.07	86	7.7	6.5	83	20.9	11
27...	1001	9	12.0	21	3.07	86	7.7	6.5	82	20.9	11
31...	1040	J	30.0	35	3.41	97	8.4	7.1	69	21.2	230
31...	1041	J	20.0	35	3.41	94	8.1	7.0	69	21.2	260
31...	1042	J	10.0	35	3.41	91	7.9	7.0	69	21.2	270
JUL											
12...	0944	9	21.0	21	3.06	95	8.0	7.0	76	22.9	8.4
12...	0945	9	14.0	21	3.06	95	8.0	7.0	76	22.9	8.9
12...	0946	9	7.00	21	3.06	95	8.0	7.0	76	22.9	8.3
AUG											
05...	1846	J	30.0	31	3.31	90	7.3	7.0	70	24.2	130
05...	1847	J	20.0	31	3.31	90	7.3	7.0	70	24.2	120
05...	1848	J	10.0	31	3.31	88	7.2	7.0	71	24.2	120
SEP											
17...	0829	J	5.00	564	7.25	83	7.3	6.4	48	21.8	290
17...	0830	J	15.0	564	7.25	83	7.3	6.4	48	21.8	280
17...	0831	J	25.0	564	7.25	83	7.3	6.3	48	21.8	270
17...	0832	J	35.0	564	7.25	83	7.2	6.3	48	21.8	280
17...	0833	J	45.0	564	7.25	84	7.4	6.3	48	21.8	250
17...	0834	J	55.0	564	7.25	82	7.2	6.3	48	21.8	260

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M – Presence verified, not quantified

02208177 CEDAR CREEK AT INDIAN SHOALS ROAD, NEAR DACULA, GA

LOCATION.—Lat 33°54'49", long 83°50'45", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Indian Shoals Road, 6.0 miles southeast of Dacula.

DRAINAGE AREA.—3.10 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1994 to current year.

GAGE.--Crest-stage partial-record gage. Datum of gage is 840.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.42 feet, October 5, 1995
DISCHARGE: 691 cfs, October 5, 1995

MAXIMUM FOR CURRENT YEAR.—
STAGE: 4.09 feet, September 16
DISCHARGE: 397 cfs, September 16

ALTAMAHA RIVER BASIN
2004 Water Year

02208192 BAY CREEK AT SHANNON ROAD, NEAR LOGANVILLE, GA

LOCATION.—Lat 33°52'36", long 83°52'54", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Shannon Road, 3.0 miles northeast of Loganville.

DRAINAGE AREA.—6.84 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1995 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 780.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 10.16 feet, March 20, 2003
DISCHARGE: 2,420 cfs, March 20, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.88 feet, September 16
DISCHARGE: 541 cfs, September 16

ALTAMAHA RIVER BASIN
2004 Water Year

02208198 ALCOVY RIVER AT NEW HOPE CHURCH ROAD, NEAR MONROE, GA

LOCATION.—Lat 33^{0}50'23", Long 83^{0}47'16", referenced to North American Datum (NAD) of 1927, Walton County, Hydrologic Unit 03070103, on downstream side of bridge on New Hope Church Road, 6.0 miles east of Loganville, and 1.9 miles north of Between.

DRAINAGE AREA.—81.3 square miles.

COOPERATION.—Monroe Water, Light, and Gas Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 10, 1992 to current water year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 736.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

RATING.—Rating Number 2, effective September 9, 1992 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/09/03	2.57	63.8
12/05/03	3.25	117
02/12/04	4.44	267
04/16/04	2.68	81.6
07/09/04	2.47	61.8
08/26/04	2.07	38.0

ALTAMAHA RIVER BASIN
2004 Water Year

02208300 ALCOVY RIVER AT US HIGHWAY 78, NEAR MONROE, GA

LOCATION.—Lat $33^{0}48'20"$, long $83^{0}45'34"$, referenced to North American Datum (NAD) of 1927, Walton County, Hydrologic Unit 03070103, on upstream side of bridge 3.2 miles west of Monroe.

DRAINAGE AREA.—99.0 square miles.

COOPERATION.—Monroe Water, Light, and Gas Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 10, 1992 to current water year.

GAGE.—Standard USGS reference point. Datum of gage is 700.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 3 is effective from October 1998 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/09/03	2.77	68.2
12/05/03	3.29	130
04/16/04	2.91	90.1
07/09/04	2.83	78.6
08/26/04	2.35	37.2

2004 Water Year

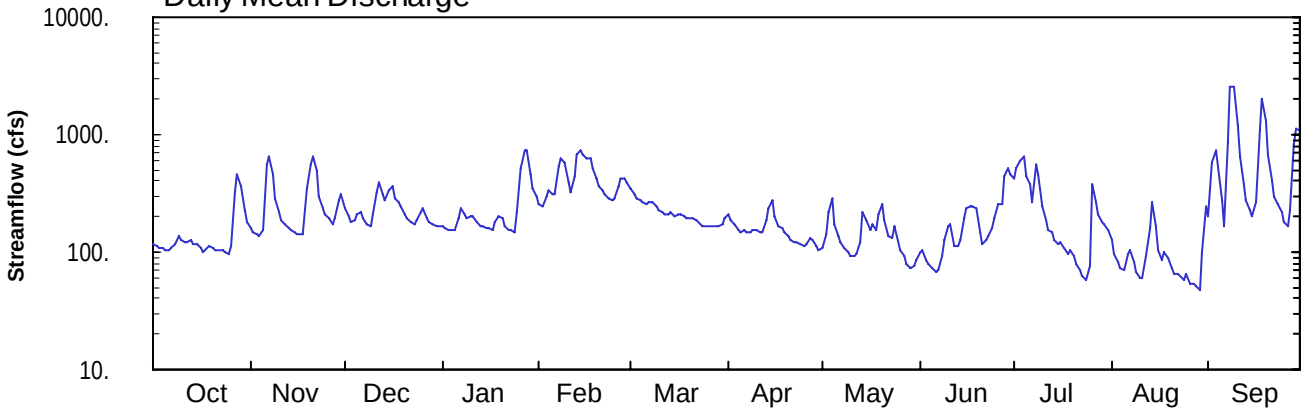
ALTAMAHA RIVER BASIN

02208450 ALCOVY RIVER ABOVE COVINGTON, GA

Latitude: 33°38'24" Longitude: 083°46'45" Hydrologic Unit Code: 03070103

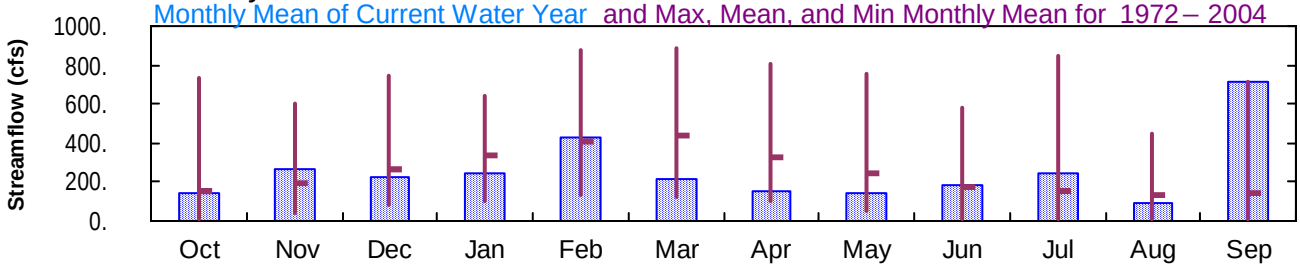
Newton County Datum: 646.10 feet Drainage Area: 185. mi²

Daily Mean Discharge

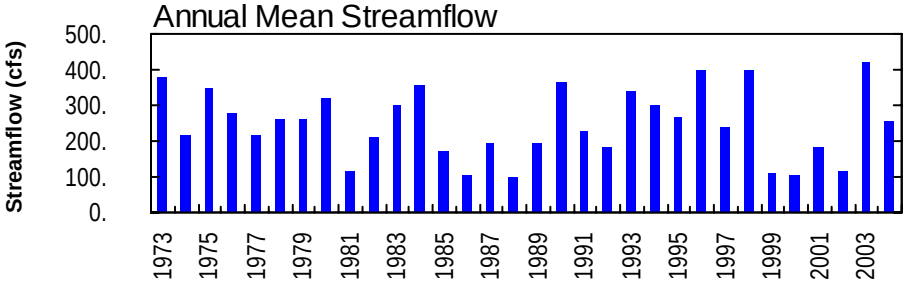


Monthly Statistics

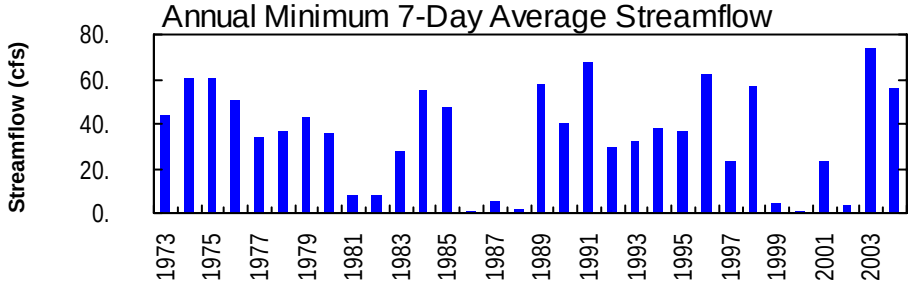
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1972 – 2004



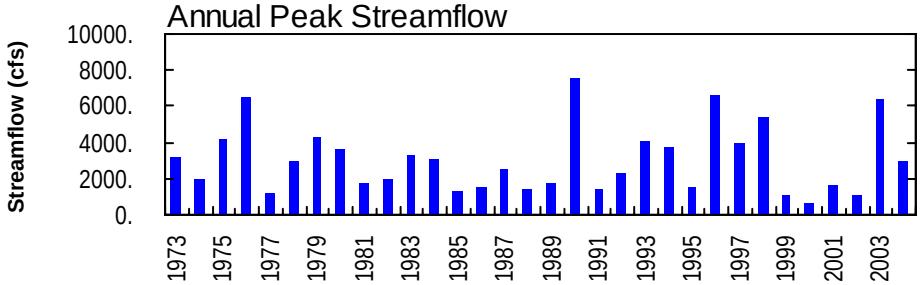
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02208450 ALCOVY RIVER ABOVE COVINGTON, GA

LOCATION.—Lat 33°38'24", long 83°46'45", referenced to North American Datum (NAD) of 1927, Newton County, Hydrologic Unit 03070103, at bridge on Alcovy Road, 200.0 feet downstream from Strouds Creek, 200.0 feet upstream from Georgia Railroad bridge, and 6.0 miles northeast of Covington.

DRAINAGE AREA.—185 square miles, approximately, includes that of Strouds Creek.

COOPERATION.—City of Covington.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1972 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 646.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). Prior to October 1986, at site 400 feet upstream at same datum.

REMARKS.—Records good, except for periods of estimated discharges, which are fair. Peak discharge for the 2004 water year was determined from hydrograph estimation. Discharge affected by diversions for irrigation.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/09	unknown	2,970*	unknown
09/18	1700	2,420	10.48

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1972 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 646.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). Prior to October 1986, at site 400 feet upstream at same datum.

REMARKS.—Records good. Peak stage for 2004 water year occurred during period of missing record on September 9.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.96 feet, September 9; minimum gage-height recorded, 1.86 feet, August 29.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208450 ALCOVY RIVER ABOVE COVINGTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333824 LONGITUDE 0834645 NAD27 DRAINAGE AREA 185 CONTRIBUTING DRAINAGE AREA 185* DATUM 646.10 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	159	240	165	259	343	209	108	102	426	124	200
2	111	148	200	157	242	308	188	145	103	508	95	590
3	109	142	180	153	297	290	171	221	86	606	82	723
4	107	138	188	151	332	275	156	287	79	642	73	532
5	105	155	207	157	310	262	148	174	73	441	71	272
6	105	549	215	193	307	259	152	138	68	379	95	166
7	108	649	194	233	531	261	148	119	70	267	106	868
8	118	451	174	208	636	270	149	108	93	565	82	2570
9	135	287	165	192	574	241	152	100	128	460	66	e2560
10	127	214	207	200	395	228	151	94	168	247	61	1230
11	121	185	323	198	325	220	146	93	170	183	59	648
12	123	170	392	179	437	213	149	94	110	152	92	383
13	126	162	311	168	683	212	183	123	112	150	161	275
14	119	154	280	166	743	215	233	220	124	125	263	226
15	115	145	336	163	670	203	276	187	193	116	168	204
16	107	142	362	159	631	206	199	152	239	121	105	262
17	102	145	290	152	616	208	166	174	250	108	84	1080
18	108	144	264	179	523	203	157	155	248	97	100	1990
19	114	355	245	203	417	195	149	209	238	105	90	1330
20	109	564	213	194	365	192	139	254	148	93	73	686
21	105	658	191	167	333	193	128	188	117	79	66	412
22	105	498	178	156	310	185	124	138	124	70	64	301
23	102	294	173	151	289	175	120	133	136	63	62	250
24	98	233	189	146	280	168	116	164	160	58	59	219
25	98	209	215	222	286	169	114	122	192	77	65	182
26	114	194	234	524	364	168	117	103	258	375	55	166
27	321	176	194	727	418	169	130	91	259	270	53	231
28	453	195	177	726	428	167	126	78	436	208	51	834
29	366	273	170	461	392	166	111	72	511	178	48	1120
30	224	315	167	352	---	173	106	77	453	176	100	1060
31	179	---	166	296	---	196	---	87	---	155	246	---
TOTAL	4452	8103	7040	7498	12393	6733	4613	4408	5448	7500	2919	21570
MEAN	144	270	227	242	427	217	154	142	182	242	94.2	719
MAX	453	658	392	727	743	343	276	287	511	642	263	2570
MIN	98	138	165	146	242	166	106	72	68	58	48	166
CFSM	0.78	1.46	1.23	1.31	2.31	1.17	0.83	0.77	0.98	1.31	0.51	3.89
IN.	0.90	1.63	1.42	1.51	2.49	1.35	0.93	0.89	1.10	1.51	0.59	4.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2004, BY WATER YEAR (WY)

MEAN	154	196	260	341	404	442	329	245	177	153	135	140
MAX	731	604	750	643	880	886	804	753	579	844	450	719
(WY)	1996	1996	1984	1996	1998	1975	1973	2003	2003	2003	1994	2004
MIN	7.66	42.4	83.1	102	129	118	100	48.5	7.89	5.91	9.14	11.8
(WY)	1988	1982	1988	1981	1989	1988	1986	2000	1988	1986	2002	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1972 - 2004	
ANNUAL TOTAL	145213		92677			
ANNUAL MEAN	398		253		248	
HIGHEST ANNUAL MEAN					424	2003
LOWEST ANNUAL MEAN					99.4	1988
HIGHEST DAILY MEAN	5550	Jul 2	2570	Sep 8	6470	Mar 18 1990
LOWEST DAILY MEAN	84	Sep 19	48	Aug 29	0.18	Jul 22 2000
ANNUAL SEVEN-DAY MINIMUM	91	Sep 15	56	Aug 23	0.73	Jul 16 1986
MAXIMUM PEAK FLOW			e2970	Sep 9	7620	Mar 18 1992
MAXIMUM PEAK STAGE			a	Sep 9	14.79	Mar 16 1976
INSTANTANEOUS LOW FLOW			46	Aug 29		
ANNUAL RUNOFF (CFSM)	2.15		1.37		1.34	
ANNUAL RUNOFF (INCHES)	29.20		18.64		18.22	
10 PERCENT EXCEEDS	709		501		508	
50 PERCENT EXCEEDS	261		178		160	
90 PERCENT EXCEEDS	120		93		47	

e Estimated
a unknown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208450 ALCOVY RIVER ABOVE COVINGTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333824 LONGITUDE 0834645 NAD27 DRAINAGE AREA 185 CONTRIBUTING DRAINAGE AREA 185* DATUM 646.10 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.90	3.33	4.25	3.59	4.30	4.69	3.69	2.67	2.59	5.05	2.96	3.68
2	2.82	3.22	3.92	3.52	4.17	4.45	3.49	3.07	2.60	5.51	2.62	6.14
3	2.79	3.16	3.74	3.47	4.59	4.33	3.34	3.78	2.39	6.01	2.44	6.85
4	2.77	3.11	3.81	3.46	4.83	4.22	3.19	4.29	2.29	6.17	2.31	5.91
5	2.74	3.28	3.98	3.51	4.68	4.12	3.12	3.37	2.20	5.10	2.29	4.29
6	2.74	5.95	4.05	3.85	4.64	4.09	3.15	3.01	2.13	4.73	2.61	3.39
7	2.78	6.51	3.87	4.20	6.02	4.11	3.11	2.80	2.15	3.95	2.75	6.75
8	2.90	5.46	3.68	3.99	6.56	4.18	3.12	2.67	2.48	5.75	2.44	10.65
9	3.09	4.41	3.59	3.84	6.23	3.95	3.15	2.56	2.90	5.19	2.21	---
10	2.99	3.84	3.97	3.92	5.24	3.85	3.14	2.49	3.30	3.83	2.13	8.53
11	2.94	3.58	4.87	3.90	4.78	3.78	3.10	2.48	3.33	3.30	2.10	6.49
12	2.96	3.44	5.32	3.73	5.42	3.72	3.12	2.50	2.69	3.03	2.56	5.05
13	2.99	3.36	4.78	3.63	6.66	3.71	3.46	2.84	2.71	3.03	3.35	4.32
14	2.91	3.28	4.56	3.60	6.86	3.73	3.88	3.77	2.86	2.78	4.23	3.93
15	2.87	3.20	4.95	3.57	6.51	3.63	4.22	3.48	3.54	2.69	3.40	3.75
16	2.76	3.16	5.12	3.53	6.32	3.66	3.59	3.15	3.93	2.77	2.75	4.16
17	2.70	3.19	4.63	3.46	6.25	3.68	3.30	3.36	4.00	2.64	2.47	8.02
18	2.78	3.18	4.44	3.73	5.76	3.63	3.20	3.17	4.00	2.52	2.67	9.90
19	2.85	4.81	4.29	3.94	5.16	3.56	3.12	3.68	3.92	2.64	2.55	8.75
20	2.78	6.09	4.02	3.86	4.84	3.54	3.01	4.05	3.11	2.50	2.31	6.67
21	2.74	6.56	3.83	3.61	4.63	3.54	2.90	3.50	2.77	2.33	2.20	5.23
22	2.74	5.74	3.71	3.50	4.47	3.47	2.85	3.00	2.85	2.22	2.18	4.51
23	2.71	4.51	3.67	3.45	4.31	3.38	2.81	2.95	2.96	2.14	2.15	4.13
24	2.66	4.09	3.82	3.40	4.25	3.32	2.77	3.27	3.19	2.08	2.09	3.88
25	2.65	3.92	4.04	4.04	4.29	3.32	2.74	2.83	3.48	2.34	2.18	3.55
26	2.84	3.82	4.20	6.02	4.83	3.31	2.77	2.60	4.01	5.00	2.02	3.40
27	4.62	3.69	3.86	6.99	5.17	3.32	2.93	2.45	3.99	4.28	2.00	3.91
28	5.49	3.87	3.71	6.97	5.23	3.31	2.87	2.27	5.16	3.78	1.96	7.30
29	4.94	4.50	3.64	5.63	5.01	3.29	2.70	2.19	5.57	3.51	1.90	8.38
30	3.92	4.81	3.61	4.96	---	3.35	2.64	2.26	5.23	3.49	2.66	8.13
31	3.53	---	3.60	4.58	---	3.57	---	2.39	---	3.29	4.05	---
MEAN	3.09	4.17	4.11	4.11	5.24	3.74	3.15	3.00	3.28	3.67	2.53	---
MAX	5.49	6.56	5.32	6.99	6.86	4.69	4.22	4.29	5.57	6.17	4.23	---
MIN	2.65	3.11	3.59	3.40	4.17	3.29	2.64	2.19	2.13	2.08	1.90	---

ALTAMAHA RIVER BASIN
2004 Water Year

02210000 JACKSON LAKE (LLOYD SHOALS) NEAR JACKSON, GA

LOCATION.—Lat 33°19'13", long 83°50'20", referenced to North American Datum (NAD) of 1927, Butts County, Hydrologic Unit 03070103, on Ocmulgee River, 1.0 mile upstream from bridge on GA 16, and 7.0 miles east of Jackson.

REMARKS.—Water levels and lake contents are collected by Georgia Power Corporation. Please see the following Internet location for more information:

http://lakes.southernco.com/

or call: 1-888-GPC-LAKE (1-888-472-5253)

2004 Water Year

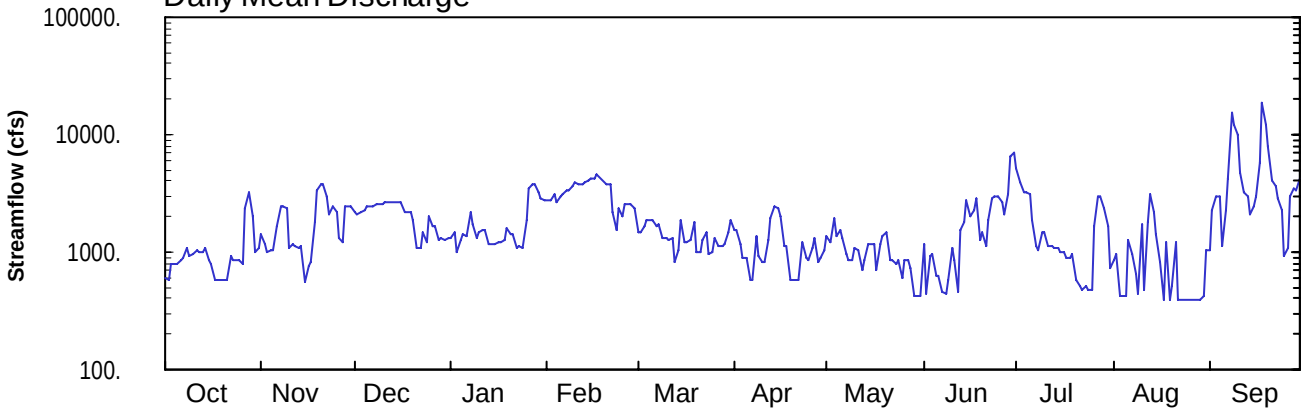
ALTAMAHA RIVER BASIN

02210500 OCMULGEE RIVER NEAR JACKSON, GA

Latitude: 33°18'28" Longitude: 083°50'18" Hydrologic Unit Code: 03070103

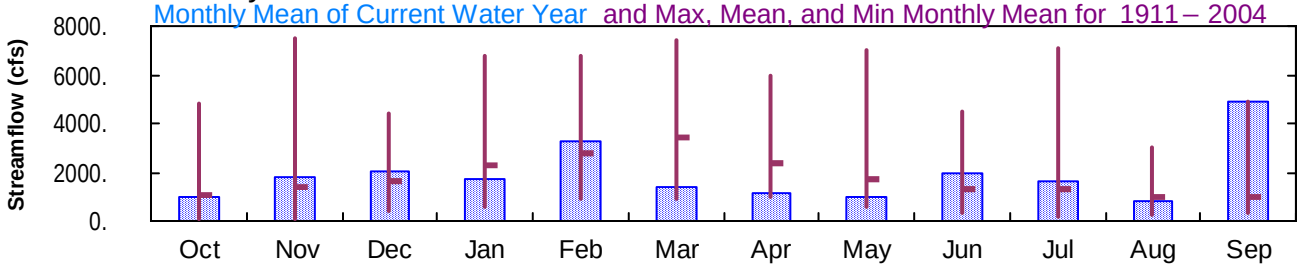
Butts County Datum: 419.29 feet Drainage Area: 1420. mi²

Daily Mean Discharge

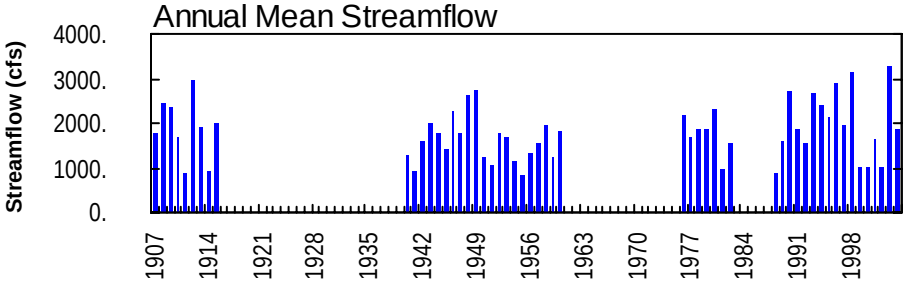


Monthly Statistics

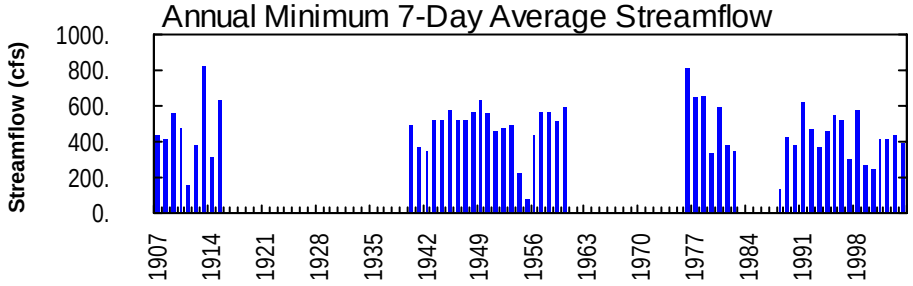
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1911 – 2004



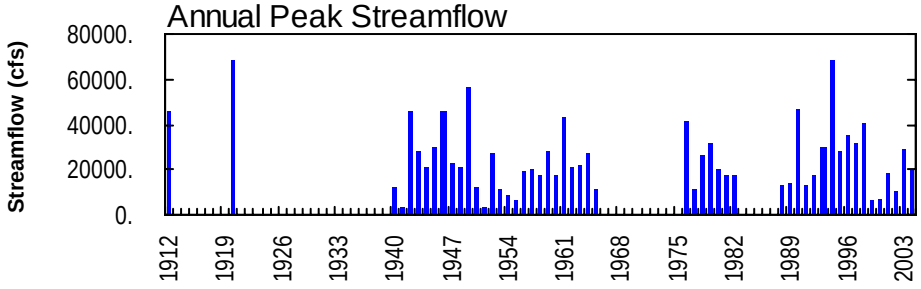
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02210500 OCMULGEE RIVER NEAR JACKSON, GA

LOCATION.—Lat 33°18'28", long 83°50'18", referenced to North American Datum (NAD) of 1927, Butts-Jasper County line, Hydrologic Unit 03070103, on right bank 500.0 feet upstream from bridge on GA 16, 0.5 miles upstream from Yellow Water Creek, 1.0 mile downstream from Lloyd Shoals Dam, and 7.0 miles east of Jackson.

DRAINAGE AREA.—1,420 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1906 to September 1915, August 1939 to September 1960, October 1975 to September 1982, March 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 419.29 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1913, staff gages were located at this site. From January 1 to December 31, 1913, a water-stage recorder was located at this site. From January 1, 1914 to December 31, 1915, a staff gage was located at this site. From August 1, 1939 to September 30, 1960 and from October 1, 1975 to September 30, 1982, a water-stage recorder was located at this site. All were at present site and gage datum.

REMARKS.—Records good, except for periods of estimated discharge, which are poor. Flow regulated by Lloyd Shoals Reservoir since November 1910. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum gage-height, 26.8 feet, Dec. 11, 1919, from graph based on gage readings, discharge, 69,000 cfs, by computation of flow over dam.

02210500 OCMULGEE RIVER NEAR JACKSON, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1906 to September 1915, August 1939 to September 1960, October 1975 to September 1982, March 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 419.29 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1913, staff gages were located at this site. From January 1 to December 31, 1913, a water-stage recorder was located at this site. From January 1, 1914 to December 31, 1915, a staff gage was located at this site. From August 1, 1939 to September 30, 1960 and from October 1, 1975 to September 30, 1982, a water-stage recorder was located at this site. All were at present site and gage datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.52 feet, September 17; minimum gage-height recorded, 3.93 feet, April 28, August 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 21, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02210500 OCMULGEE RIVER NEAR JACKSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 035
LATITUDE 331828 LONGITUDE 0835018 NAD27 DRAINAGE AREA 1420.00* CONTRIBUTING DRAINAGE AREA DATUM 419.29 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	597	1440	2160	1330	2800	1480	1530	1380	1190	5200	847	1020
2	581	1160	2110	1500	2780	1470	1510	1200	441	3920	947	2280
3	791	1010	2150	1010	3090	1640	1180	1950	908	3200	425	2960
4	798	1030	2250	1250	2680	1880	885	1360	970	3180	425	3000
5	798	1030	2480	1420	2950	1870	873	1520	634	3120	426	1110
6	868	1630	2480	1390	3160	1880	589	1300	635	1880	1270	2280
7	904	2420	2480	2150	3360	1680	589	962	451	1110	953	4280
8	1090	2410	2520	1720	3410	1700	1370	865	448	1050	646	15500
9	936	2360	2550	1310	3680	1300	925	859	582	e1480	445	12300
10	955	1070	2590	1490	3900	1300	837	1090	1080	1490	1730	9840
11	1030	1170	2620	1510	3780	1280	834	1060	857	1130	473	4770
12	1020	1120	2630	1520	3810	1290	1270	706	450	1110	1760	3240
13	1010	1090	2620	1170	3960	819	1930	854	1520	1090	3160	2930
14	1080	1110	2640	1170	4080	1040	2470	1170	1810	1090	2180	2070
15	846	552	2670	1180	4170	1870	2340	1180	2730	993	1390	2420
16	796	768	2670	1190	4260	1210	2020	1170	2030	989	821	2990
17	570	824	2150	1230	4590	1210	1140	692	2250	899	395	5870
18	570	1780	2160	1280	4280	1250	1140	1170	2820	889	1220	18900
19	570	3420	2160	1610	4050	1780	580	1380	1260	963	387	12400
20	570	3790	1860	1420	3830	983	587	1460	1470	577	521	7870
21	570	3800	1080	1420	3820	987	589	850	1130	518	1220	4030
22	936	3020	1100	1080	2150	1240	584	860	1880	478	387	3580
23	859	2090	1460	1120	1520	1460	1200	778	2890	508	387	2840
24	857	2460	e1230	1100	2320	971	882	864	2960	475	393	2310
25	841	2150	2020	1850	1980	993	857	613	3020	482	387	918
26	794	1300	1650	3460	2510	1300	1100	857	2670	1650	387	1080
27	2360	1230	1650	3730	2540	1130	1310	842	2100	2990	387	2930
28	3230	2440	1270	3810	2550	1140	821	745	3130	2960	387	3550
29	2050	2440	1300	3200	2350	1150	875	420	6450	2400	387	3420
30	997	2440	1240	2820	---	1470	1050	417	7020	1660	427	4290
31	1080	---	1290	2810	---	1840	---	423	---	746	1030	---
TOTAL	30954	54554	63240	54250	94360	42613	33867	30997	57786	50227	26200	146978
MEAN	999	1818	2040	1750	3254	1375	1129	1000	1926	1620	845	4899
MAX	3230	3800	2670	3810	4590	1880	2470	1950	7020	5200	3160	18900
MIN	570	552	1080	1010	1520	819	580	417	441	475	387	918
CFSM	0.70	1.28	1.44	1.23	2.29	0.97	0.80	0.70	1.36	1.14	0.60	3.45
IN.	0.81	1.43	1.66	1.42	2.47	1.12	0.89	0.81	1.51	1.32	0.69	3.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	1088	1406	1666	2305	2796	3407	2360	1717	1328	1310	991	1007
MAX	4805	7493	4427	6735	6788	7434	5949	7038	4496	7089	3002	4899
(WY)	1996	1949	1993	1946	1998	1952	1979	2003	1912	1994	1994	2004
MIN	119	98.6	370	593	910	906	954	571	308	155	253	299
(WY)	1955	1955	1955	1956	1941	1988	1999	2000	1988	1988	1988	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	1121491		686026			
ANNUAL MEAN	3073		1874		1781	
HIGHEST ANNUAL MEAN					3272	2003
LOWEST ANNUAL MEAN					866	1955
HIGHEST DAILY MEAN	26500	Jul 3	18900	Sep 18	62900	Jul 6 1994
LOWEST DAILY MEAN	440	Apr 2	387	Aug 19 a	18	Nov 20 1910
ANNUAL SEVEN-DAY MINIMUM	642	Oct 15	388	Aug 22	75	Nov 19 1954
MAXIMUM PEAK FLOW			20000	Sep 17	68500	Jul 6 1994
MAXIMUM PEAK STAGE			12.52	Sep 17	26.87	Jul 6 1994
ANNUAL RUNOFF (CFSM)	2.16		1.32		1.25	
ANNUAL RUNOFF (INCHES)	29.38		17.97		17.04	
10 PERCENT EXCEEDS	4650		3420		3200	
50 PERCENT EXCEEDS	2290		1300		1150	
90 PERCENT EXCEEDS	848		579		502	

e Estimated
a Also Aug 22,23,25-29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02210500 OCMULGEE RIVER NEAR JACKSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 035
LATITUDE 331828 LONGITUDE 0835018 NAD27 DRAINAGE AREA 1420.00* CONTRIBUTING DRAINAGE AREA DATUM 419.29 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.16	4.69	5.17	4.62	5.46	4.72	4.75	4.56	4.45	6.50	4.24	4.53
2	4.14	4.51	5.15	4.72	5.45	4.71	4.74	4.46	3.98	5.95	4.30	5.14
3	4.28	4.41	5.17	4.42	5.60	4.82	4.53	4.91	4.29	5.64	3.96	5.53
4	4.28	4.42	5.22	4.57	5.38	4.95	4.34	4.56	4.32	5.64	3.96	5.55
5	4.28	4.42	5.33	4.67	5.53	4.95	4.33	4.65	4.13	5.61	3.96	4.42
6	4.33	4.81	5.33	4.65	5.62	4.95	4.15	4.52	4.13	4.91	4.50	5.14
7	4.35	5.30	5.33	5.11	5.72	4.83	4.15	4.31	3.99	4.46	4.30	6.11
8	4.47	5.30	5.35	4.88	5.74	4.84	4.65	4.25	3.99	4.44	4.11	10.85
9	4.37	5.27	5.36	4.65	5.86	4.60	4.37	4.24	4.08	---	3.99	9.56
10	4.38	4.45	5.38	4.77	5.96	4.61	4.32	4.38	4.39	4.69	4.79	8.52
11	4.43	4.59	5.39	4.78	5.91	4.59	4.31	4.37	4.25	4.49	4.01	6.31
12	4.42	4.56	5.39	4.76	5.92	4.60	4.58	4.15	3.99	4.47	4.80	5.66
13	4.42	4.54	5.39	4.52	5.98	4.35	4.99	4.24	4.66	4.46	5.62	5.50
14	4.47	4.55	5.40	4.52	6.04	4.54	5.32	4.44	4.83	4.46	5.11	5.02
15	4.31	4.11	5.41	4.53	6.07	4.98	5.26	4.45	5.39	4.40	4.65	5.21
16	4.28	4.31	5.41	4.55	6.12	4.55	5.07	4.44	4.97	4.40	4.25	5.55
17	4.13	4.33	5.10	4.56	6.25	4.55	4.50	4.14	5.11	4.34	3.98	6.76
18	4.13	4.90	5.10	4.59	6.12	4.57	4.50	4.48	5.47	4.33	4.49	12.13
19	4.13	5.74	5.12	4.79	6.02	4.86	4.14	4.56	4.57	4.37	3.97	9.59
20	4.13	5.91	4.93	4.68	5.93	4.41	4.15	4.62	4.71	4.14	4.06	7.66
21	4.13	5.91	4.49	4.67	5.92	4.41	4.15	4.25	4.48	4.07	4.48	6.01
22	4.37	5.56	4.49	4.47	5.18	4.57	4.14	4.25	4.90	4.03	3.97	5.82
23	4.32	5.14	4.70	4.49	4.85	4.70	4.54	4.20	5.50	4.06	3.97	5.48
24	4.32	5.32	---	4.48	5.22	4.40	4.34	4.25	5.53	4.02	3.98	5.23
25	4.32	5.17	5.03	4.92	5.01	4.41	4.31	4.10	5.56	4.03	3.97	4.36
26	4.28	4.60	4.82	5.76	5.34	4.61	4.47	4.27	5.36	4.75	3.97	4.41
27	5.15	4.55	4.81	5.88	5.35	4.50	4.61	4.25	5.04	5.54	3.97	5.48
28	5.66	5.31	4.58	5.92	5.36	4.50	4.31	4.18	5.61	5.53	3.97	5.80
29	5.08	5.31	4.60	5.64	5.24	4.52	4.26	3.95	7.05	5.22	3.97	5.75
30	4.41	5.31	4.57	5.47	---	4.72	4.36	3.95	7.28	4.76	4.02	6.12
31	4.46	---	4.60	5.47	---	4.94	---	3.96	---	4.18	4.54	---
MEAN	4.40	4.91	---	4.86	5.66	4.65	4.49	4.33	4.87	---	4.25	6.31
MAX	5.66	5.91	---	5.92	6.25	4.98	5.32	4.91	7.28	---	5.62	12.13
MIN	4.13	4.11	---	4.42	4.85	4.35	4.14	3.95	3.98	---	3.96	4.36

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02210500 OCMULGEE RIVER NEAR JACKSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 035
LATITUDE 331828 LONGITUDE 0835018 NAD27 DRAINAGE AREA 1420.00* CONTRIBUTING DRAINAGE AREA DATUM 419.29 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.35	0.25	---	0.00	0.55
2	0.00	0.00	0.00	0.00	0.78	0.00	0.00	1.03	0.00	---	0.00	0.02
3	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	---	0.00	0.00
4	0.00	0.02	0.28	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
5	0.00	0.32	0.00	0.22	0.00	0.00	0.00	0.00	0.00	---	0.29	0.00
6	0.01	0.02	0.01	0.00	1.11	0.10	0.00	0.00	0.00	---	0.00	0.62
7	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	---	0.00	---
8	0.30	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.03	0.00	0.00	---
9	0.00	0.00	0.00	0.21	0.00	0.01	0.00	0.00	0.16	0.56	0.00	---
10	0.01	0.00	0.74	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.34	---
11	0.00	0.00	0.01	0.00	0.16	0.00	0.02	0.02	0.00	0.00	0.00	---
12	0.00	0.00	0.00	0.00	1.09	0.00	0.40	0.37	0.03	0.70	0.09	---
13	0.00	0.00	0.30	0.00	0.00	0.00	0.32	0.00	1.17	0.00	0.00	---
14	0.04	0.00	0.20	0.00	0.64	0.00	0.00	0.00	0.19	0.00	0.00	---
15	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.61	0.00	0.00	---
16	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.10	0.00	0.00	---
17	0.14	0.01	0.15	0.18	0.00	0.00	0.00	0.00	0.14	0.18	0.00	0.29
18	0.01	0.81	0.00	0.17	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
19	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00
21	0.00	0.00	0.00	0.00	0.00	0.19	0.00	1.30	1.13	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00
23	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
24	0.00	0.23	---	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	---	1.60	0.37	0.00	0.00	0.00	---	0.02	0.00	0.00
26	0.20	0.00	---	0.47	0.59	0.00	0.45	0.00	---	0.14	0.00	0.00
27	0.00	0.56	---	0.01	0.00	0.00	0.01	0.00	---	0.15	0.00	2.88
28	0.01	0.17	---	0.00	0.00	0.00	0.00	0.49	---	0.00	0.00	0.01
29	0.00	0.00	---	0.00	0.00	0.00	0.00	0.24	---	0.00	0.00	0.00
30	0.00	0.00	0.02	0.00	---	0.37	0.04	---	---	0.01	0.07	0.00
31	0.00	---	0.00	0.00	---	0.09	---	---	---	0.00	0.00	---
TOTAL	0.89	3.22	---	2.88	4.88	0.84	1.26	---	---	---	1.38	---

ALTAMAHA RIVER BASIN
2004 Water Year

02211258 TOWALIGA RIVER AT HAMPTON ROAD, NEAR HAMPTON, GA

LOCATION.—Lat 33°22'34", long 84°13'57", referenced to North American Datum (NAD) of 1927, Henry County, Hydrologic Unit 03070103, 3.5 miles east of Hampton, 3.0 miles west of intersection GA Highway 155 on Hampton Road, gage is downstream of bridge and can be reached from right bank.

DRAINAGE AREA.—10.9 square miles.

COOPERATION.—Henry County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 720.0 feet above National Geodetic Vertical Datum of 1929 (from topographic map).

RATING.—Rating Number 4 is effective February 28, 2003 through October 15, 2003. Rating Number 4.1 is effective October 15, 2003 through September 30, 2004.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/15/03	0.76	4.76
12/03/03	0.82	6.46
02/10/04	1.16	16.6
04/02/04	0.96	7.51
07/09/04	0.88	9.08
08/20/04	0.58	1.20

ALTAMAHA RIVER BASIN
2004 Water Year

02211270 TROUBLESOME CREEK NEAR GRIFFIN, GA

LOCATION.—Lat 33°18'33", long 84°11'22", referenced to North American Datum (NAD) of 1983, Spalding County, Hydrologic Unit 03070103, on downstream left bank 100 feet below GA Highway 155, 7.0 miles southwest of Interstate 75 at Locust Grove exit 212, 6.2 miles northeast of Griffin.

DRAINAGE AREA.—16.9 square miles.

COOPERATION.—Henry County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—1954, 1976, 1978, 1980, 1981, August 9, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 670.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 2, effective October 1, 2001 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/17/03	2.06	8.08
12/03/03	2.13	9.07
02/19/04	2.28	21.3
04/02/04	1.92	11.9
07/09/04	1.93	6.28
08/20/04	1.66	2.64

ALTAMAHA RIVER BASIN
2004 Water Year

02211275 LONG BRANCH AT CR 299, NEAR LUELLA, GA

LOCATION.--Lat 33°20'36", long 84°09'24", referenced to North American Datum (NAD) of 1983, Henry County, Hydrologic Unit 03070103, on CR 299 (Frog Road), 2.6 miles west of Interstate 75, and 1.5 southeast of Luella.

DRAINAGE AREA.—1.80 square miles.

COOPERATOR.—Henry County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 9, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 750.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.--Rating Number 02, effective October 1, 2001 to current year.

REMARKS.--Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/14/03	1.17	1.54
12/03/03	1.30	1.47
02/10/04	1.62	2.68

ALTAMAHA RIVER BASIN
2004 Water Year

02211280 INDIAN CREEK AT CR 301, NEAR LOCUST GROVE, GA

LOCATION.—Lat 33^{0}21'44", long 84^{0}09'02", referenced to North American Datum (NAD) of 1983, Henry County, Hydrologic Unit 03070103, on downstream left bank 70.00 feet south of CR 301, 2.3 miles northwest of Interstate 75 at Locust Grove exit, 3.3 miles northeast of Luella.

DRAINAGE AREA.—7.30 square miles.

COOPERATION.—Henry County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 9, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 730.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 3.1 is effective January 1, 2003 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/14/03	1.83	5.10
12/03/03	1.81	5.84
02/10/04	2.01	11.2
04/02/04	1.78	6.36
07/09/04	1.58	3.91
08/20/04	1.36	1.65

2004 Water Year

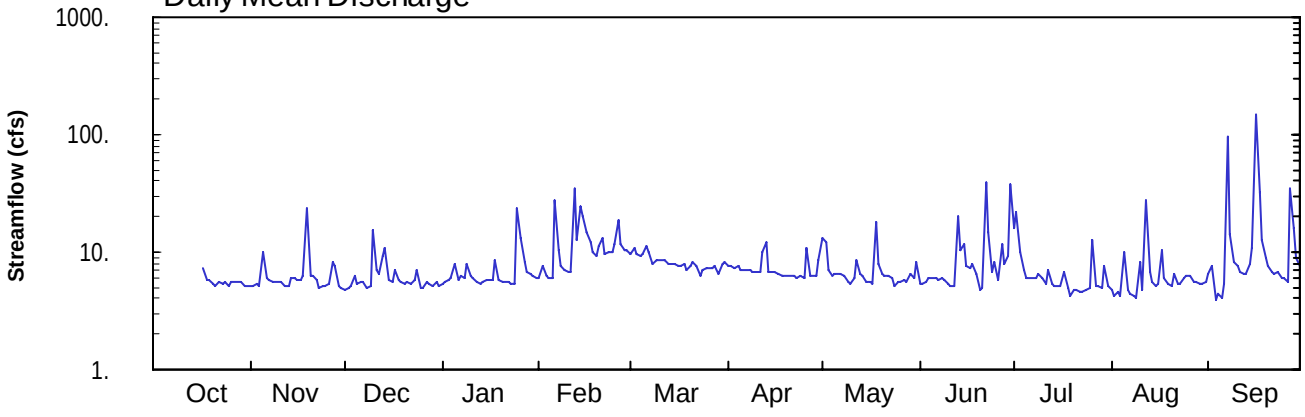
ALTAMAHA RIVER BASIN

02211375 CABIN CREEK AT NORTH SECOND STREET, NR GRIFFIN, GA

Latitude: 33°16'18" Longitude: 084°14'11" Hydrologic Unit Code: 03070103

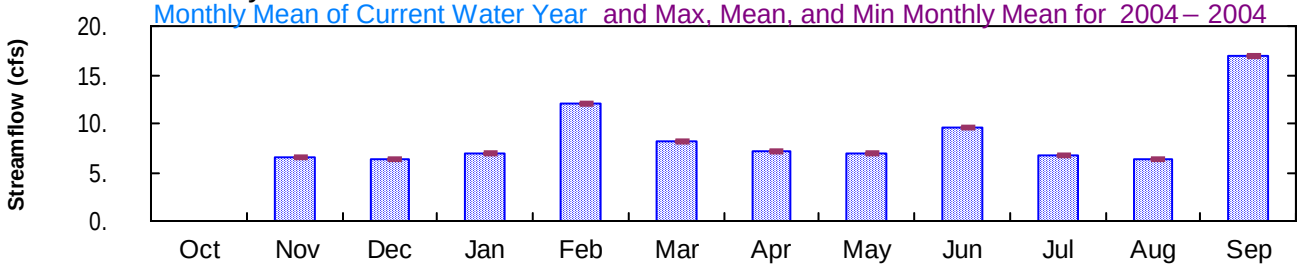
Spalding County Datum: 760 feet Drainage Area: 4.1 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2004 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2004 Water Year

02211375 CABIN CREEK AT NORTH SECOND STREET, NEAR GRIFFIN, GA

LOCATION.—Lat 33°16'18", long 84°14'11", referenced to North American Datum (NAD) of 1983, Spalding County, Hydrologic Unit 03070103, on upstream right abutment wall of North Second Street bridge, 1.5 miles northeast of Griffin and 13.5 miles upstream of Towaliga River.

DRAINAGE AREA.—4.1 square miles.

COOPERATION.—City of Griffin.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 17, 2003 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 17, 2003 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 8.55 feet, September 16, minimum gage-height recorded, 2.28 feet, September 3.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 23, 2003 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02211375 CABIN CREEK AT NORTH SECOND STREET, NR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331618 LONGITUDE 0841411 NAD83 DRAINAGE AREA 4.1* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.1	4.8	5.4	5.9	9.8	7.6	13	5.3	16	4.7	6.4
2	---	5.1	5.0	5.6	7.5	11	7.6	12	5.4	22	4.3	7.7
3	---	5.3	5.1	5.8	6.3	9.5	7.2	7.1	5.6	10	4.5	3.9
4	---	5.1	6.2	6.0	6.0	9.4	7.5	6.3	6.1	7.2	4.3	4.4
5	---	10	5.3	7.8	6.1	9.4	7.1	6.5	6.1	6.0	9.8	4.1
6	---	6.0	5.6	5.9	27	11	7.2	6.5	5.9	6.1	4.7	5.3
7	---	e5.9	5.6	6.2	10	9.9	6.9	6.5	5.7	6.1	4.5	97
8	---	5.6	4.9	6.0	7.7	8.0	7.2	6.3	5.9	6.0	4.3	14
9	---	5.6	5.1	7.9	7.0	8.6	6.8	5.6	5.9	6.6	4.0	8.1
10	---	5.6	16	6.2	6.8	8.5	6.8	5.3	5.4	6.0	8.3	7.5
11	---	5.6	7.1	6.0	6.7	8.7	6.8	6.0	5.2	5.4	4.8	6.7
12	---	5.2	6.6	5.6	35	8.4	10	8.5	5.1	7.1	28	6.6
13	---	5.2	9.3	5.4	12	8.1	12	6.6	20	5.4	6.8	6.5
14	---	6.0	11	5.6	24	8.0	6.7	6.2	11	5.2	5.6	8.0
15	---	6.1	5.9	5.7	21	7.9	6.7	5.5	11	5.2	5.2	11
16	---	5.9	5.6	5.8	15	7.5	6.9	5.5	7.5	5.2	5.3	145
17	e7.3	5.8	7.1	5.9	12	7.5	6.6	5.3	7.2	6.9	10	32
18	e5.8	6.2	5.8	8.6	9.9	7.8	6.4	18	7.9	4.9	6.1	13
19	e5.8	24	5.6	5.7	9.2	7.1	6.3	8.1	6.5	4.2	5.4	9.0
20	e5.3	6.3	5.4	5.5	11	7.6	6.2	6.5	4.7	4.8	5.1	7.5
21	e5.2	6.2	5.6	5.5	13	8.1	6.2	6.3	5.0	4.7	6.6	6.8
22	e5.5	5.7	5.4	5.5	9.6	7.7	6.2	6.2	40	4.6	5.3	6.5
23	5.3	5.0	5.8	5.4	10	6.2	6.1	6.1	14	4.5	5.3	6.8
24	5.5	5.2	7.2	5.4	10	7.0	6.3	5.2	6.8	4.8	6.0	6.1
25	5.2	5.2	5.0	23	11	7.2	5.9	5.5	8.3	5.0	6.3	6.0
26	5.7	5.4	4.9	13	19	7.4	11	5.5	5.7	13	6.2	5.6
27	5.5	8.4	5.5	8.2	12	7.4	6.2	5.7	11	5.2	5.7	35
28	5.6	7.7	5.4	6.9	11	7.6	6.3	5.6	7.8	5.1	5.6	16
29	5.5	5.2	5.2	6.6	10	6.5	6.4	6.5	9.2	5.0	5.4	9.0
30	5.2	5.0	5.5	6.3	---	7.9	8.5	5.9	38	7.6	5.3	7.7
31	5.1	---	5.2	6.0	---	8.3	---	8.3	---	5.2	5.6	---
TOTAL	---	194.6	193.7	214.4	351.7	255.0	215.6	218.1	289.2	211.0	199.0	509.2
MEAN	---	6.49	6.25	6.92	12.1	8.23	7.19	7.04	9.64	6.81	6.42	17.0
MAX	--	24	16	23	35	11	12	18	40	22	28	145
MIN	--	5.0	4.8	5.4	5.9	6.2	5.9	5.2	4.7	4.2	4.0	3.9
MED	--	5.6	5.6	5.9	10	8.0	6.8	6.3	6.3	5.4	5.4	7.5
AC-FT	---	386	384	425	698	506	428	433	574	419	395	1010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

MEAN	---	6.49	6.25	6.92	12.1	8.23	7.19	7.04	9.64	6.81	6.42	17.0
MAX	---	6.49	6.25	6.92	12.1	8.23	7.19	7.04	9.64	6.81	6.42	17.0
(WY)	---	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004
MIN	---	6.49	6.25	6.92	12.1	8.23	7.19	7.04	9.64	6.81	6.42	17.0
(WY)	---	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02211375 CABIN CREEK AT NORTH SECOND STREET, NR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331618 LONGITUDE 0841411 NAD83 DRAINAGE AREA 4.1* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.45	2.43	2.47	2.50	2.59	2.52	2.65	2.40	2.80	2.43	2.45
2	---	2.45	2.44	2.48	2.56	2.63	2.52	2.63	2.41	2.80	2.40	2.47
3	---	2.46	2.45	2.49	2.52	2.58	2.50	2.49	2.42	2.66	2.41	2.31
4	---	2.45	2.51	2.50	2.50	2.58	2.51	2.46	2.44	2.56	2.40	2.35
5	---	2.56	2.46	2.57	2.51	2.58	2.49	2.47	2.45	2.50	2.51	2.32
6	---	2.50	2.48	2.49	2.87	2.64	2.50	2.47	2.44	2.51	2.43	2.39
7	---	---	2.48	2.51	2.67	2.60	2.49	2.46	2.43	2.51	2.41	3.69
8	---	2.48	2.43	2.50	2.58	2.53	2.50	2.46	2.44	2.50	2.40	2.74
9	---	2.48	2.45	2.58	2.55	2.55	2.48	2.42	2.43	2.52	2.38	2.57
10	---	2.48	2.73	2.51	2.54	2.55	2.48	2.40	2.41	2.50	2.52	2.54
11	---	2.48	2.55	2.50	2.54	2.55	2.48	2.44	2.40	2.47	2.43	2.51
12	---	2.46	2.53	2.48	3.05	2.55	2.54	2.51	2.39	2.50	2.89	2.50
13	---	2.46	2.59	2.47	2.70	2.53	2.63	2.47	2.69	2.47	2.48	2.50
14	---	2.50	2.65	2.48	2.92	2.53	2.48	2.45	2.57	2.46	2.42	2.55
15	---	2.51	2.50	2.48	2.87	2.53	2.47	2.42	2.58	2.45	2.40	2.66
16	---	2.49	2.48	2.49	2.76	2.51	2.48	2.41	2.51	2.45	2.40	3.67
17	---	2.49	2.54	2.49	2.69	2.51	2.47	2.40	2.50	2.51	2.53	3.04
18	---	2.51	2.49	2.58	2.63	2.52	2.46	2.62	2.52	2.44	2.45	2.70
19	---	2.81	2.48	2.48	2.60	2.49	2.46	2.53	2.47	2.39	2.41	2.60
20	---	2.51	2.47	2.47	2.67	2.51	2.45	2.47	2.36	2.43	2.39	2.54
21	---	2.51	2.48	2.47	2.71	2.53	2.45	2.46	2.39	2.43	2.45	2.51
22	---	2.49	2.47	2.48	2.62	2.52	2.45	2.45	2.80	2.42	2.40	2.49
23	2.46	2.45	2.49	2.47	2.63	2.45	2.44	2.45	2.75	2.41	2.40	2.51
24	2.47	2.46	2.54	2.47	2.63	2.49	2.46	2.39	2.54	2.43	2.44	2.48
25	2.46	2.45	2.44	2.87	2.67	2.50	2.44	2.41	2.57	2.44	2.46	2.47
26	2.48	2.47	2.44	2.73	2.80	2.51	2.55	2.41	2.49	2.65	2.45	2.45
27	2.48	2.55	2.47	2.60	2.66	2.51	2.45	2.43	2.58	2.46	2.42	2.97
28	2.48	2.57	2.47	2.54	2.62	2.51	2.46	2.42	2.54	2.45	2.42	2.76
29	2.47	2.46	2.46	2.53	2.61	2.47	2.46	2.46	2.59	2.45	2.41	2.60
30	2.45	2.45	2.47	2.52	---	2.52	2.51	2.44	2.86	2.52	2.40	2.55
31	2.45	---	2.46	2.50	---	2.54	---	2.50	---	2.46	2.42	---
MEAN	---	---	2.49	2.52	2.66	2.54	2.49	2.47	2.51	2.50	2.44	2.63
MAX	---	---	2.73	2.87	3.05	2.64	2.63	2.65	2.86	2.80	2.89	3.69
MIN	---	---	2.43	2.47	2.50	2.45	2.44	2.39	2.36	2.39	2.38	2.31

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02211375 CABIN CREEK AT NORTH SECOND STREET, NR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331618 LONGITUDE 0841411 NAD83 DRAINAGE AREA 4.1* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.03	0.00	0.18
2	---	0.00	0.00	0.00	0.31	0.00	0.00	0.18	0.00	0.09	0.00	0.01
3	---	0.00	0.10	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
4	---	0.02	0.14	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	---	0.67	0.01	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
6	---	0.02	0.00	0.00	1.15	0.15	0.00	0.00	0.00	0.04	0.00	0.91
7	---	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	4.38
8	---	0.00	0.00	0.03	0.00	0.00	0.12	0.00	0.00	0.01	0.00	0.01
9	---	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.01	0.60	0.00	0.00
10	---	0.00	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00
11	---	0.00	0.00	0.00	0.24	0.00	0.07	0.09	0.00	0.00	0.00	0.00
12	---	0.00	0.00	0.00	1.08	0.00	0.55	0.30	0.01	0.05	1.25	0.00
13	---	0.00	0.54	0.00	0.00	0.00	0.40	0.01	1.76	0.00	0.00	0.00
14	---	0.00	0.31	0.00	0.59	0.00	0.01	0.00	0.56	0.03	0.00	0.00
15	---	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.34	0.00	0.00	0.01
16	---	0.00	0.10	0.00	0.00	0.05	0.00	0.00	0.46	0.00	0.00	3.68
17	---	0.04	0.12	0.32	0.00	0.00	0.00	0.00	0.00	0.29	0.53	0.16
18	---	0.24	0.00	0.10	0.00	0.00	0.00	0.72	0.16	0.00	0.00	0.00
19	---	1.47	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
20	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.10	0.00
21	---	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.31	0.00	0.31	0.00
22	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.97	0.00	0.00	0.00
23	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.01	0.26	0.00	0.00	0.00
24	0.00	0.12	0.05	0.01	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	1.70	0.37	0.00	0.00	0.00	0.49	0.34	0.00	0.00
26	0.22	0.00	0.00	0.09	0.41	0.00	0.75	0.00	0.00	0.38	0.00	0.00
27	0.00	0.61	0.00	0.01	0.00	0.00	0.00	0.00	0.51	0.08	0.00	2.16
28	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.22	0.31	0.00	0.00	0.00
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.12	0.00
30	0.00	0.00	0.03	0.00	---	0.45	0.76	0.00	2.35	0.40	0.00	0.00
31	0.00	---	0.00	0.00	---	0.08	---	0.36	---	0.00	0.00	---
TOTAL	---	3.39	2.52	2.83	4.37	0.79	2.66	2.65	9.59	2.37	3.21	11.50

2004 Water Year

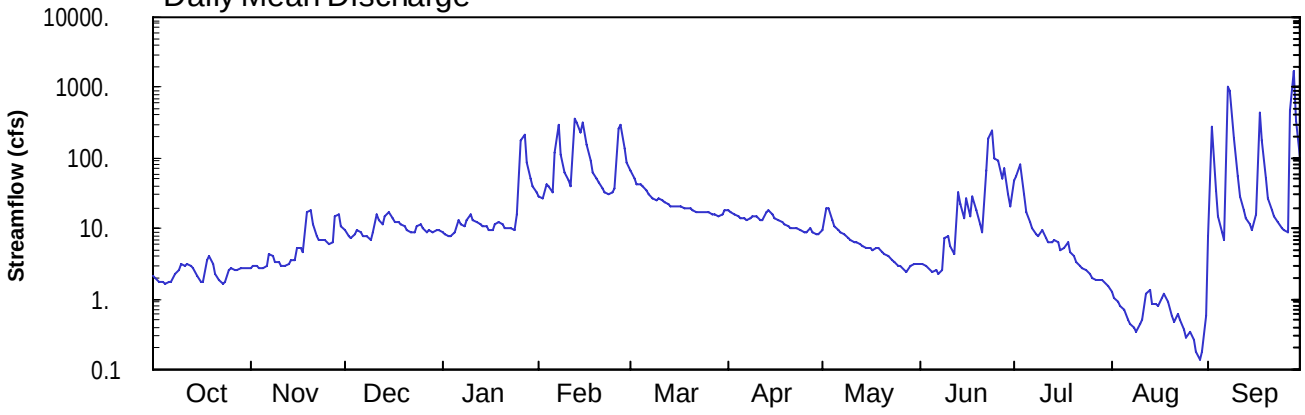
ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA

Latitude: 33°05'59" Longitude: 083°43'25" Hydrologic Unit Code: 03070103

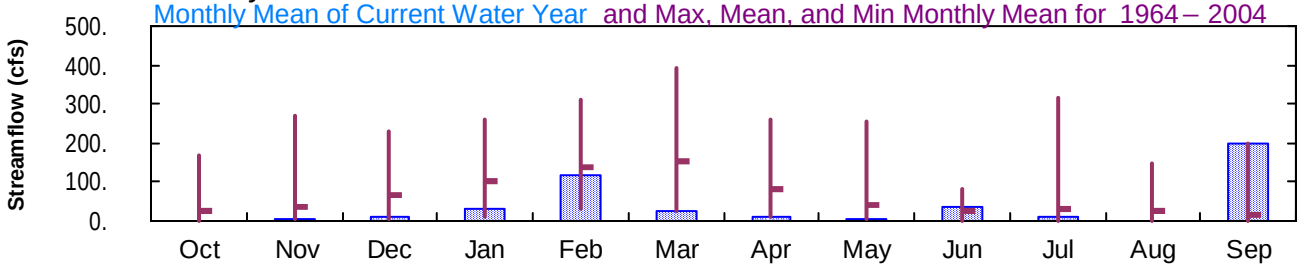
Jones County Datum: 366.52 feet Drainage Area: 72.2 mi²

Daily Mean Discharge

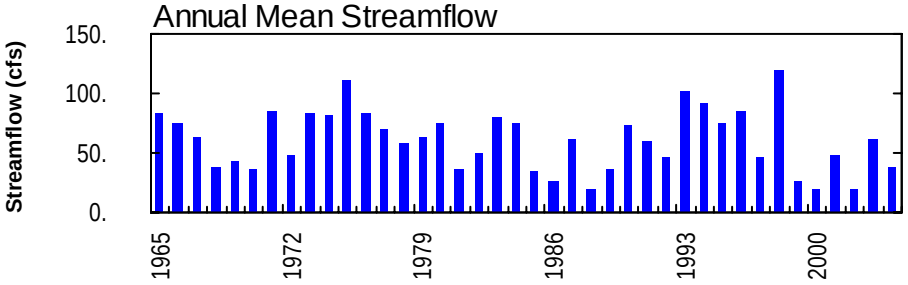


Monthly Statistics

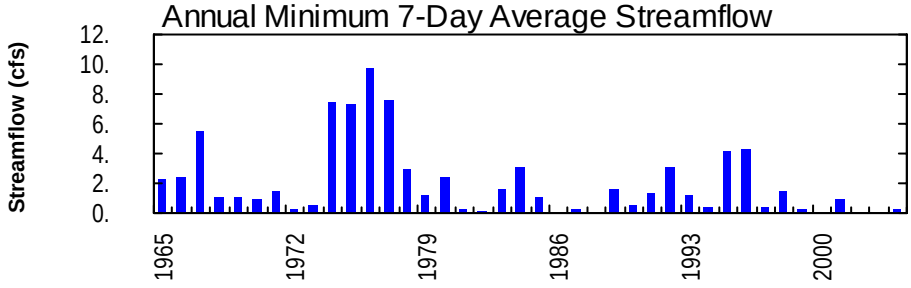
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1964 – 2004



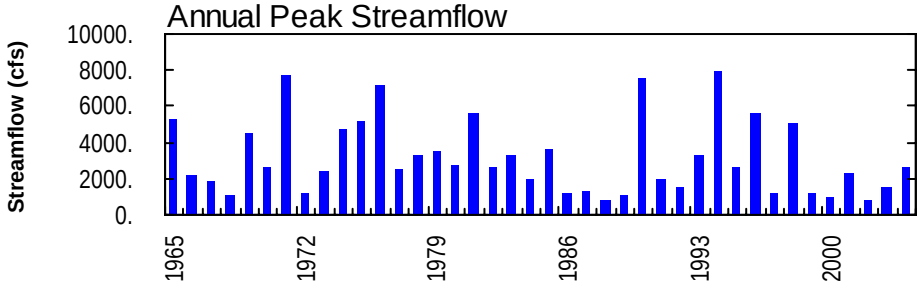
Annual Mean Streamflow

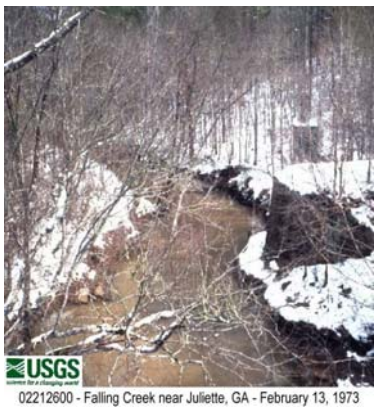


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02212600 - Falling Creek near Juliette, GA - February 13, 1973

ALTAMAHA RIVER BASIN
2004 Water Year

02212600 FALLING CREEK NEAR JULIETTE, GA

LOCATION.—Lat 33°05'59", long 83°43'25", referenced to North American Datum (NAD) of 1927, Jones County, Hydrologic Unit 03070103, on left bank 300 feet upstream from bridge on County Road 1432, 4.0 miles upstream from Caney Creek, and 5.1 miles east of Juliette.

DRAINAGE AREA.—72.2 square miles.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1964 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 366.52 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by global positioning system equipment).

REMARKS.—Records good, except for discharges between 10.0 cfs and 1.00 cfs, which are fair, and discharges less than 1.00 cfs, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,100 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
09/07	1845	2,080	13.84
09/28	0500	2,620*	15.30*

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1964 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 366.52 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by global positioning system equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.30 feet, September 28; minimum gage-height recorded, 1.12 feet, August 29, 30.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02212600 FALLING CREEK NEAR JULIETTE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 169
LATITUDE 330559 LONGITUDE 0834325 NAD27 DRAINAGE AREA 72.2 CONTRIBUTING DRAINAGE AREA 72.2* DATUM 366.52 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.8	9.2	8.8	28	65	18	9.7	3.1	50	1.3	7.8
2	1.9	3.0	8.0	8.2	27	53	17	20	3.1	53	1.0	282
3	1.8	3.0	7.4	8.0	44	43	16	19	2.9	80	0.92	36
4	1.7	2.7	8.1	8.0	40	42	15	13	2.7	30	0.82	15
5	1.6	2.7	9.4	8.7	33	40	14	11	2.5	17	0.69	9.0
6	1.7	2.9	8.9	13	121	34	14	9.8	2.6	13	0.52	6.7
7	1.8	4.5	7.8	12	300	30	13	8.9	2.3	10	0.44	995
8	2.3	4.0	7.7	11	115	27	14	8.1	2.7	8.6	0.40	876
9	2.5	3.5	7.1	14	64	25	15	7.4	7.4	7.7	0.35	195
10	3.1	3.2	8.9	16	47	28	15	6.9	8.0	9.5	0.44	54
11	3.0	3.0	16	13	39	25	13	6.5	5.7	7.3	0.51	28
12	3.1	2.9	13	12	374	23	13	6.3	4.3	6.6	1.2	18
13	2.9	3.1	11	11	329	22	17	6.1	32	6.4	1.3	14
14	2.7	3.6	15	11	227	21	18	5.6	23	6.9	0.84	11
15	2.1	3.7	18	11	322	20	16	5.1	14	6.4	0.88	9.7
16	1.7	5.2	14	9.7	160	21	14	5.1	26	5.0	0.80	16
17	1.8	5.2	13	9.3	92	21	13	4.9	15	5.3	1.1	440
18	3.5	4.8	13	11	64	20	12	5.2	29	6.2	1.2	174
19	4.0	18	12	13	51	19	11	5.4	19	4.8	0.92	51
20	3.1	19	11	11	45	19	11	4.7	12	4.0	0.57	27
21	2.3	11	9.8	10	37	18	10	4.5	8.9	3.3	0.48	19
22	1.8	8.0	9.1	10	32	17	10	4.0	67	2.9	0.60	15
23	1.6	6.8	9.0	10	32	17	9.9	3.6	184	2.8	0.50	12
24	1.8	6.7	11	9.8	33	17	9.2	3.4	243	2.6	0.37	10
25	2.6	6.7	12	16	37	17	8.7	3.0	101	2.3	0.28	9.4
26	2.7	6.1	10	182	256	17	9.1	2.9	94	2.0	0.33	8.7
27	2.6	6.5	9.2	209	299	16	10	2.6	50	1.9	0.27	458
28	2.6	15	9.3	86	136	16	9.0	2.4	73	1.8	0.18	1740
29	2.8	16	9.0	52	84	15	8.4	2.9	31	1.8	0.14	341
30	2.7	11	9.3	40	---	16	8.2	3.1	20	1.8	0.17	106
31	2.8	---	9.3	34	---	18	---	3.1	---	1.5	0.57	---
TOTAL	74.7	194.6	325.5	878.5	3468	782	381.5	204.2	1089.2	362.4	20.09	5984.3
MEAN	2.41	6.49	10.5	28.3	120	25.2	12.7	6.59	36.3	11.7	0.65	199
MAX	4.0	19	18	209	374	65	18	20	243	80	1.3	1740
MIN	1.6	2.7	7.1	8.0	27	15	8.2	2.4	2.3	1.5	0.14	6.7
CFSM	0.03	0.09	0.15	0.39	1.66	0.35	0.18	0.09	0.50	0.16	0.01	2.76
IN.	0.04	0.10	0.17	0.45	1.79	0.40	0.20	0.11	0.56	0.19	0.01	3.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	23.9	34.3	67.1	104	138	151	79.5	40.2	24.4	28.8	25.3	16.0
MAX	170	268	230	259	309	393	262	255	81.5	317	150	199
(WY)	1965	1993	1965	1978	1979	1971	1975	1976	1966	1994	1994	2004
MIN	0.51	3.03	4.29	9.75	30.8	25.2	12.7	4.70	0.91	0.10	0.00	0.00
(WY)	1988	2002	2002	2002	1968	2004	2004	2000	2002	2000	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	20847.9		13764.99			
ANNUAL MEAN	57.1		37.6		60.7	
HIGHEST ANNUAL MEAN					120	1998
LOWEST ANNUAL MEAN					19.6	1988
HIGHEST DAILY MEAN	1180	Mar 7	1740	Sep 28	4940	Jul 6 1994
LOWEST DAILY MEAN	1.6	Oct 5	0.14	Aug 29	0.00	Jul 10 2002
ANNUAL SEVEN-DAY MINIMUM	1.8	Oct 1	0.25	Aug 24	0.00	Jul 10 2002
MAXIMUM PEAK FLOW			2620	Sep 28	7920	Jul 5 1994
MAXIMUM PEAK STAGE			15.30	Sep 28	23.25	Jul 5 1994
INSTANTANEOUS LOW FLOW			0.13	Aug 29	0.00	Jul 10 2002
ANNUAL RUNOFF (CFSM)	0.791		0.521		0.841	
ANNUAL RUNOFF (INCHES)	10.74		7.09		11.43	
10 PERCENT EXCEEDS	114		57		111	
50 PERCENT EXCEEDS	19		9.7		20	
90 PERCENT EXCEEDS	3.1		1.7		2.7	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02212600 FALLING CREEK NEAR JULIETTE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 169
LATITUDE 330559 LONGITUDE 0834325 NAD27 DRAINAGE AREA 72.2 CONTRIBUTING DRAINAGE AREA 72.2* DATUM 366.52 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.22	1.32	1.67	1.65	2.03	2.65	1.77	1.50	1.20	2.45	1.21	1.60
2	1.21	1.33	1.62	1.63	1.99	2.47	1.75	1.82	1.20	2.53	1.20	4.35
3	1.20	1.34	1.60	1.62	2.32	2.31	1.72	1.80	1.19	2.89	1.19	2.35
4	1.20	1.32	1.63	1.62	2.25	2.29	1.68	1.61	1.17	2.14	1.18	1.86
5	1.20	1.32	1.68	1.65	2.12	2.27	1.65	1.54	1.16	1.82	1.17	1.67
6	1.21	1.34	1.66	1.81	2.93	2.15	1.64	1.50	1.17	1.68	1.16	1.58
7	1.21	1.43	1.62	1.76	4.58	2.07	1.63	1.47	1.15	1.59	1.15	8.52
8	1.25	1.40	1.61	1.73	3.20	1.99	1.66	1.44	1.17	1.54	1.14	8.38
9	1.26	1.37	1.59	1.82	2.63	1.96	1.68	1.41	1.39	1.51	1.13	3.99
10	1.31	1.37	1.66	1.89	2.38	2.01	1.66	1.39	1.43	1.58	1.15	2.68
11	1.30	1.35	1.89	1.81	2.24	1.95	1.63	1.37	1.34	1.50	1.17	2.21
12	1.31	1.35	1.81	1.77	4.98	1.91	1.62	1.36	1.27	1.47	1.23	1.97
13	1.30	1.36	1.74	1.74	4.78	1.88	1.72	1.35	2.04	1.46	1.24	1.83
14	1.28	1.39	1.86	1.73	4.08	1.86	1.77	1.33	1.88	1.49	1.21	1.76
15	1.24	1.39	1.95	1.73	4.72	1.83	1.70	1.31	1.64	1.47	1.22	1.70
16	1.23	1.48	1.83	1.69	3.61	1.85	1.65	1.31	1.97	1.40	1.21	1.85
17	1.23	1.48	1.79	1.67	2.97	1.86	1.62	1.30	1.68	1.42	1.23	5.60
18	1.34	1.46	1.79	1.75	2.64	1.82	1.59	1.31	2.00	1.47	1.25	3.85
19	1.37	1.90	1.75	1.79	2.45	1.80	1.56	1.32	1.78	1.40	1.23	2.63
20	1.32	1.95	1.72	1.75	2.34	1.80	1.54	1.29	1.57	1.36	1.19	2.20
21	1.27	1.72	1.69	1.71	2.21	1.77	1.52	1.28	1.47	1.33	1.18	1.99
22	1.24	1.61	1.67	1.71	2.11	1.75	1.52	1.25	2.49	1.31	1.21	1.87
23	1.23	1.57	1.66	1.70	2.09	1.75	1.51	1.23	3.75	1.30	1.19	1.78
24	1.24	1.56	1.73	1.69	2.12	1.73	1.48	1.22	4.21	1.29	1.17	1.72
25	1.30	1.56	1.75	1.85	2.19	1.73	1.46	1.19	3.09	1.28	1.16	1.69
26	1.31	1.54	1.70	3.62	4.19	1.75	1.47	1.18	3.03	1.26	1.17	1.66
27	1.30	1.55	1.67	3.96	4.57	1.72	1.52	1.17	2.47	1.25	1.15	4.90
28	1.30	1.85	1.67	2.90	3.40	1.70	1.47	1.16	2.79	1.25	1.14	12.14
29	1.32	1.89	1.66	2.46	2.89	1.69	1.45	1.19	2.14	1.25	1.12	4.92
30	1.32	1.74	1.67	2.26	---	1.70	1.44	1.20	1.91	1.25	1.13	3.22
31	1.32	---	1.67	2.13	---	1.77	---	1.20	---	1.23	1.19	---
MEAN	1.27	1.51	1.71	1.95	3.00	1.93	1.60	1.35	1.89	1.55	1.18	3.28
MAX	1.37	1.95	1.95	3.96	4.98	2.65	1.77	1.82	4.21	2.89	1.25	12.14
MIN	1.20	1.32	1.59	1.62	1.99	1.69	1.44	1.16	1.15	1.23	1.12	1.58

2004 Water Year

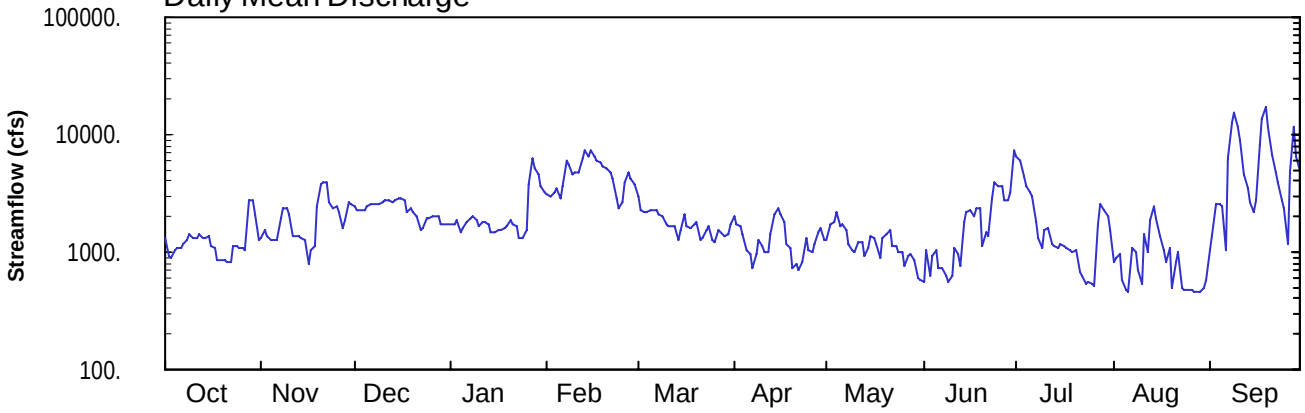
ALTAMAHA RIVER BASIN

02213000 OCMULGEE RIVER AT MACON, GA

Latitude: 32°50'19" Longitude: 083°37'14" Hydrologic Unit Code: 03070103

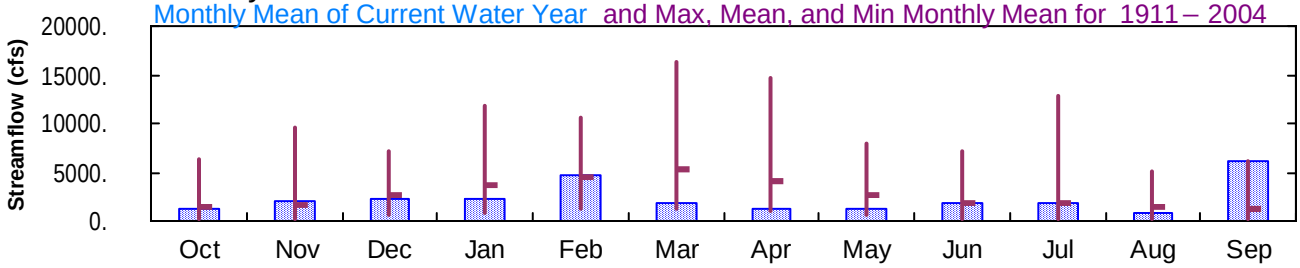
Bibb County Datum: 269.80 feet Drainage Area: 2240. mi²

Daily Mean Discharge

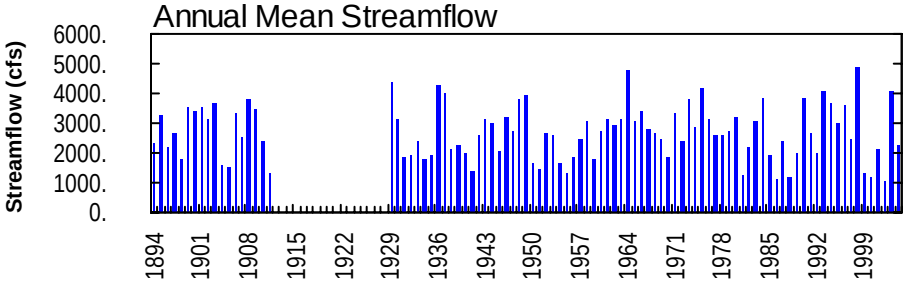


Monthly Statistics

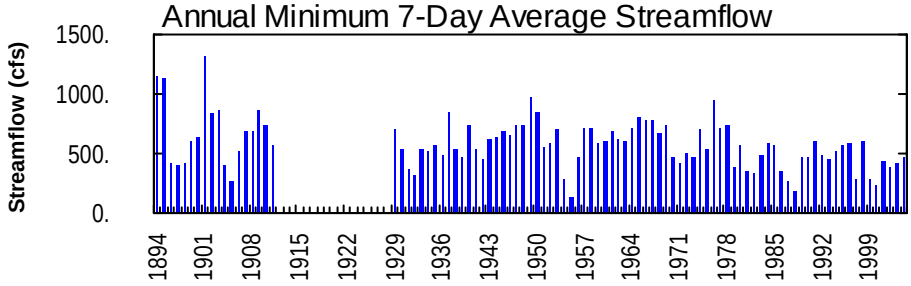
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1911 – 2004



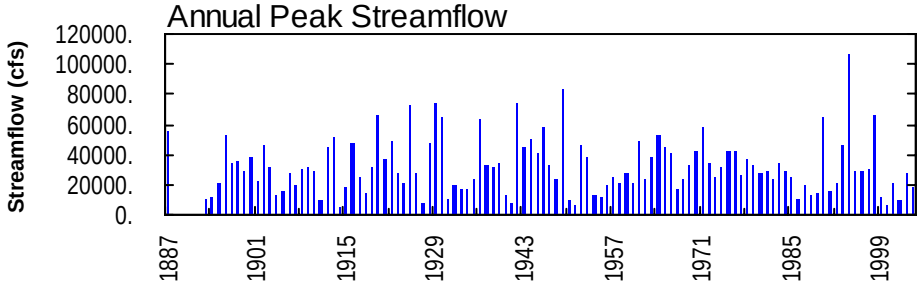
Annual Mean Streamflow

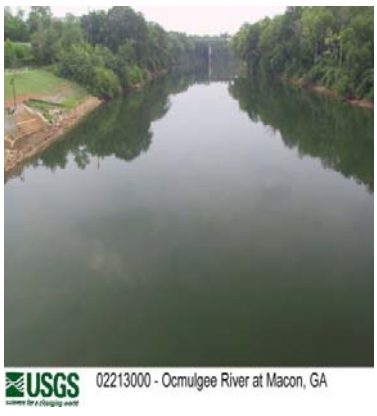


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





ALTAMAHA RIVER BASIN
2004 Water Year

02213000 OCMULGEE RIVER AT MACON, GA

LOCATION.—Lat 32°50'19", long 83°37'14", referenced to North American Datum (NAD) of 1983, Bibb County, Hydrologic Unit 03070103, at downstream end of right pier of Fifth Street Bridge in Macon, 1.5 miles upstream from Walnut Creek, and at mile 198.0.

DRAINAGE AREA.—2,240 square miles, approximately.

COOPERATION.—City of Macon and Bibb County EMA.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 1893 to July 1912, August 1912 to December 1913 (gage-heights and discharge measurements only), October 1928 to current year. Gage-height records collected at same site since 1895 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 1504: 1893-1903, 1905-10, 1932, 1937, 1942(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 269.80 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 9, 1905, a non-recording gage was located at site within 1.5 miles downstream at about same datum. From October 9, 1905 to December 31, 1913, a non-recording gage was located at present site and datum. From January 10, 1929 to June 25, 1934, a water-stage recorder was located at a site 500 feet downstream at same datum. From June 25, 1934 to June 25, 1973, a water-stage recorder was located at the present site and datum, and from June 26, 1973 to October 13, 1974, a non-recording gage was located at present site and datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Lloyd Shoals Reservoir since November 1910; records of reservoir contents not available prior to October 1929. Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey. Minimum gage-height observed during the period of record was -1.0 feet October 5, 1924, at site and datum then in use. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of January 19, 1925, reached a stage of 26.0 feet, from flood marks at Central of Georgia Railroad bridge, 500 feet downstream, discharge 72,500 cfs.

02213000 OCMULGEE RIVER AT MACON, GA—continued.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 14,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/09	0630	16,500	19.22
09/19	0345	18,600*	19.88*

WATER-STAGE RECORDS

PERIOD OF RECORD.—February 1893 to July 1912, August 1912 to December 1913 (gage-heights and discharge measurements only), October 1928 to current year. Gage-height records collected at same site since 1895 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 269.80 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 9, 1905, a non-recording gage was located at site within 1.5 miles downstream at about same datum. From October 9, 1905 to December 31, 1913, a non-recording gage was located at present site and datum. From January 10, 1929 to June 25, 1934, a water-stage recorder was located at a site 500 feet downstream at same datum. From June 25, 1934 to June 25, 1973, a water-stage recorder was located at the present site and datum, and from June 26, 1973 to October 13, 1974, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.88 feet, September 19; minimum gage-height recorded, 4.88 feet, August 7.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213000 OCMULGEE RIVER AT MACON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 325019 LONGITUDE 0833714 NAD83 DRAINAGE AREA 2240.00* CONTRIBUTING DRAINAGE AREA DATUM 269.80 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1310	1310	2430	1750	3070	3010	2010	1280	553	6390	829	e1040
2	930	1570	2260	1750	3010	2300	1750	1700	1030	6120	894	1380
3	885	1380	2240	1830	3170	2190	1680	1790	627	4480	953	2540
4	1060	1270	2310	1480	3490	2150	1400	2190	925	3660	575	2510
5	1070	1270	2480	1580	2880	2290	1030	1670	1030	3250	485	2420
6	1070	1250	2550	1810	3640	2280	949	1740	738	2990	455	1050
7	1150	1940	2510	1910	5980	2270	744	1520	733	1790	1070	6150
8	1250	2380	2500	2000	5540	2100	979	1190	638	1330	1010	12700
9	1450	2370	2520	1900	4640	2050	1280	1060	565	e1070	696	15400
10	1320	2090	2610	1660	4700	1740	1120	1020	631	1570	543	11600
11	1310	1370	2740	1770	e4800	1690	1020	1200	1080	1600	1430	8870
12	1410	1390	2810	1780	e6300	1670	1020	1220	957	e1180	992	4500
13	1320	1370	2670	1740	7240	1640	1440	922	751	e1120	1890	3480
14	1340	1330	2710	1510	6550	1290	2080	1060	1770	e1100	2410	2680
15	1360	1290	2860	1490	7240	1520	2380	1350	2180	1150	1940	2190
16	1140	797	2830	1520	6560	2070	2110	1310	2300	1110	1350	2720
17	1070	1030	2780	1530	6100	1640	1800	1150	1990	1080	1060	8250
18	872	1110	2150	1620	5890	1620	1160	896	2350	1030	812	e13500
19	849	2420	2320	1670	5460	1730	e1100	1290	2380	986	e1080	17000
20	844	3840	2210	1880	5100	1810	744	1420	1140	1020	503	11600
21	835	3980	2030	1710	4760	1290	790	1560	1480	683	825	6860
22	828	3880	1540	1640	4280	1310	696	1120	1360	625	1010	4770
23	1110	2660	1580	1340	2870	1510	815	1100	2820	535	489	3940
24	1100	2400	1970	1320	2340	1660	1300	983	3880	559	478	2730
25	1080	2460	1940	1520	2650	1280	e1060	986	3570	535	479	2340
26	1080	2140	2020	3770	3930	1210	e985	767	3680	510	470	1180
27	1040	1610	2010	6150	4850	1530	e1160	932	2810	1730	462	4740
28	2740	1860	1990	5180	4190	1400	e1500	958	2810	2510	462	11800
29	2750	2610	1710	4610	3720	1390	1600	861	3250	2230	465	6580
30	2120	2560	1750	3640	---	1400	1270	600	7430	2020	488	4890
31	1280	---	1720	3270	---	1700	---	573	---	1540	573	---
TOTAL	38973	58937	70750	68330	134950	54740	38972	37418	57458	57503	27178	181410
MEAN	1257	1965	2282	2204	4653	1766	1299	1207	1915	1855	877	6047
MAX	2750	3980	2860	6150	7240	3010	2380	2190	7430	6390	2410	17000
MIN	828	797	1540	1320	2340	1210	696	573	553	510	455	1040
CFSM	0.56	0.88	1.02	0.98	2.08	0.79	0.58	0.54	0.86	0.83	0.39	2.70
IN.	0.65	0.98	1.17	1.13	2.24	0.91	0.65	0.62	0.95	0.95	0.45	3.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	1406	1731	2569	3695	4544	5374	4100	2620	1868	1806	1468	1213
MAX	6404	9624	7222	11880	10640	16370	14610	8050	7142	12880	5054	6047
(WY)	1930	1949	1984	1936	1998	1929	1936	2003	1912	1994	1994	2004
MIN	165	186	618	750	1168	1319	972	581	301	214	299	296
(WY)	1955	1955	1955	1981	1938	1988	1986	1986	1988	1988	1988	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	1403212		826619			
ANNUAL MEAN	3844		2259		2664	
HIGHEST ANNUAL MEAN					4848	1998
LOWEST ANNUAL MEAN					1061	2002
HIGHEST DAILY MEAN	26400	Jul 3	17000	Sep 19	97000	Jul 6 1994
LOWEST DAILY MEAN	797	Nov 16	455	Aug 6	128	Oct 24 1954
ANNUAL SEVEN-DAY MINIMUM	915	Oct 17	472	Aug 24	139	Oct 22 1954
MAXIMUM PEAK FLOW			18600	Sep 19	107000	Jul 6 1994
MAXIMUM PEAK STAGE			19.88	Sep 19	35.40	Jul 6 1994
INSTANTANEOUS LOW FLOW			433	Aug 7	128	Oct 24 1954
ANNUAL RUNOFF (CFSM)	1.72		1.01		1.19	
ANNUAL RUNOFF (INCHES)	23.30		13.73		16.16	
10 PERCENT EXCEEDS	6390		4620		5130	
50 PERCENT EXCEEDS	2740		1620		1630	
90 PERCENT EXCEEDS	1280		795		652	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213000 OCMULGEE RIVER AT MACON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 325019 LONGITUDE 0833714 NAD83 DRAINAGE AREA 2240.00* CONTRIBUTING DRAINAGE AREA DATUM 269.80 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.64	6.64	8.61	7.30	9.56	9.42	7.80	6.47	5.14	13.36	5.68	---
2	5.93	7.12	8.29	7.31	9.48	8.36	7.30	7.25	6.01	13.09	5.79	6.65
3	5.84	6.77	8.25	7.47	9.69	8.16	7.18	7.40	5.29	11.27	5.90	8.79
4	6.17	6.57	8.39	6.84	10.10	8.08	6.67	8.14	5.84	10.30	5.18	8.77
5	6.20	6.58	8.70	7.03	9.30	8.33	6.04	7.18	6.03	9.79	5.00	8.59
6	6.20	6.53	8.82	7.44	10.27	8.34	5.90	7.31	5.51	9.45	4.93	6.08
7	6.36	7.79	8.76	7.62	12.94	8.31	5.53	6.91	5.50	7.39	6.07	12.95
8	6.53	8.57	8.74	7.80	12.47	7.98	5.95	6.31	5.32	6.57	6.00	17.49
9	6.89	8.57	8.78	7.61	11.46	7.88	6.49	6.10	5.17	---	5.43	18.81
10	6.67	8.07	8.93	7.13	11.53	7.29	6.20	6.02	5.30	7.01	5.12	17.08
11	6.64	6.75	9.13	7.36	---	7.18	6.03	6.33	6.11	7.07	6.74	15.35
12	6.83	6.80	9.22	7.38	---	7.16	6.03	6.38	5.92	---	5.99	11.29
13	6.67	6.77	9.03	7.29	14.18	7.11	6.76	5.86	5.54	---	7.62	10.08
14	6.70	6.68	9.09	6.87	13.53	6.49	7.95	6.09	7.37	---	8.56	8.89
15	6.74	6.61	9.29	6.84	14.19	6.88	8.53	6.61	8.13	6.25	7.69	8.14
16	6.33	5.66	9.25	6.87	13.55	7.93	8.01	6.54	8.33	6.18	6.62	9.04
17	6.20	6.13	9.19	6.89	13.07	7.09	7.44	6.24	7.78	6.13	6.10	14.80
18	5.82	6.26	8.07	7.06	12.84	7.05	6.27	5.81	8.46	6.05	5.63	---
19	5.77	8.56	8.41	7.15	12.38	7.27	---	6.49	8.51	5.97	---	19.37
20	5.76	10.61	8.20	7.57	11.98	7.45	5.52	6.73	6.25	6.03	5.04	17.04
21	5.74	10.69	7.86	7.22	11.60	6.50	5.62	7.00	6.83	5.41	5.63	13.69
22	5.72	10.58	6.93	7.09	11.04	6.54	5.43	6.21	6.62	5.29	5.98	11.61
23	6.27	8.90	7.02	6.58	9.29	6.86	5.66	6.18	9.06	5.10	5.00	10.64
24	6.27	8.56	7.74	6.55	8.44	7.12	6.50	5.96	10.57	5.15	4.98	9.01
25	6.22	8.66	7.69	6.89	8.92	6.48	---	5.96	10.19	5.10	4.98	8.44
26	6.22	8.07	7.84	10.21	10.57	6.36	---	5.57	10.33	5.05	4.96	6.30
27	6.14	7.08	7.81	13.12	11.70	6.90	---	5.86	9.13	7.31	4.95	9.84
28	9.16	7.55	7.78	12.07	10.94	6.68	---	5.92	9.19	8.76	4.94	17.10
29	9.20	8.94	7.22	11.43	10.38	6.66	7.01	5.74	9.79	8.23	4.95	13.51
30	8.11	8.85	7.30	10.28	---	6.68	6.46	5.24	14.26	7.84	5.00	11.74
31	6.58	---	7.24	9.82	---	7.20	---	5.18	---	6.94	5.18	---
MEAN	6.53	7.73	8.31	7.94	---	7.35	---	6.35	7.45	---	---	---
MAX	9.20	10.69	9.29	13.12	---	9.42	---	8.14	14.26	---	---	---
MIN	5.72	5.66	6.93	6.55	---	6.36	---	5.18	5.14	---	---	---

2004 Water Year

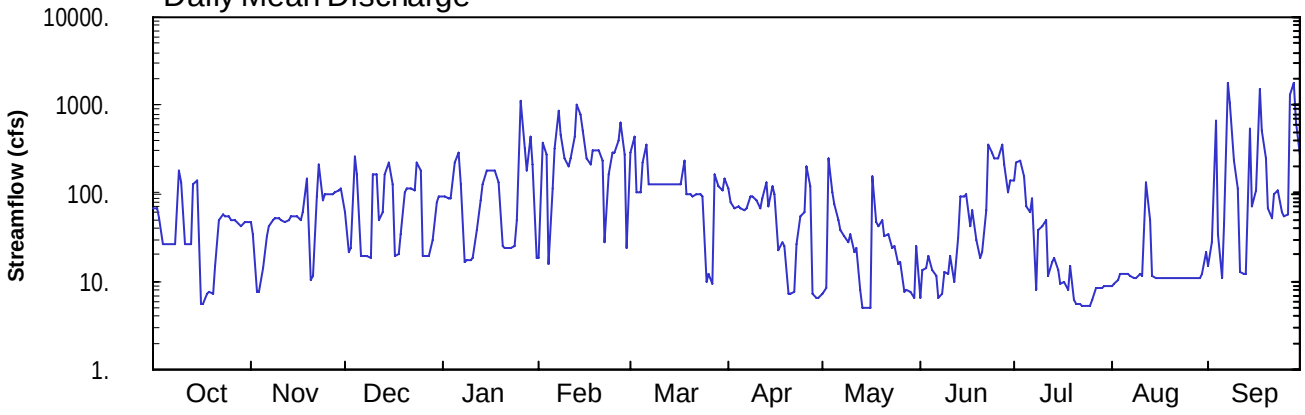
ALTAMAHA RIVER BASIN

02213500 TOBESOFKEE CREEK NEAR MACON, GA

Latitude: 32°48'32" Longitude: 083°45'30" Hydrologic Unit Code: 03070103

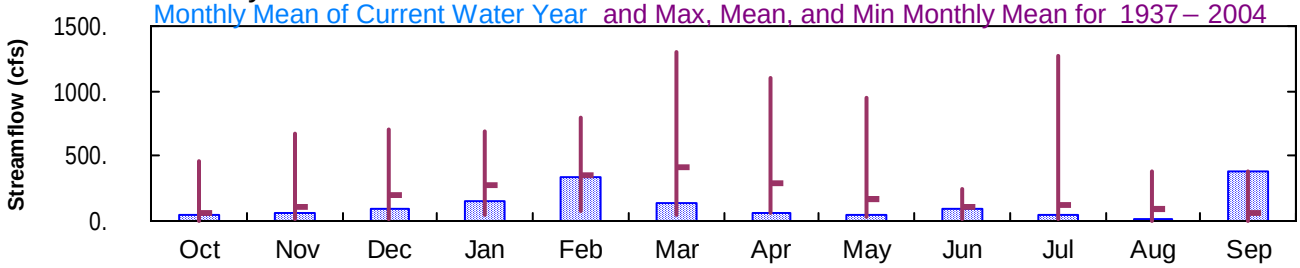
Bibb County Datum: 309.98 feet Drainage Area: 182. mi²

Daily Mean Discharge

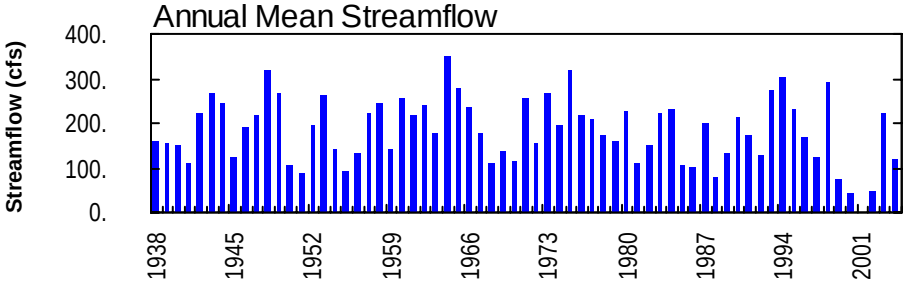


Monthly Statistics

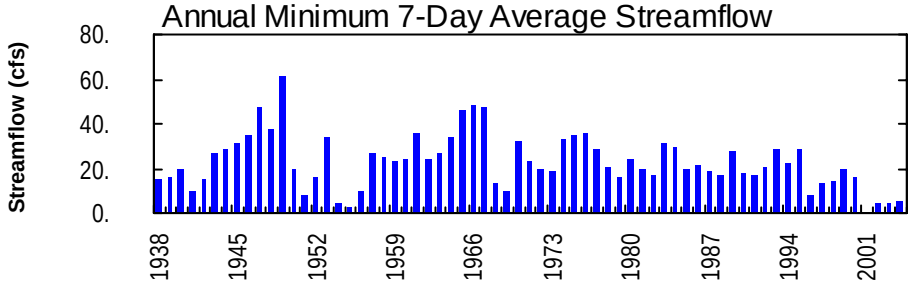
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



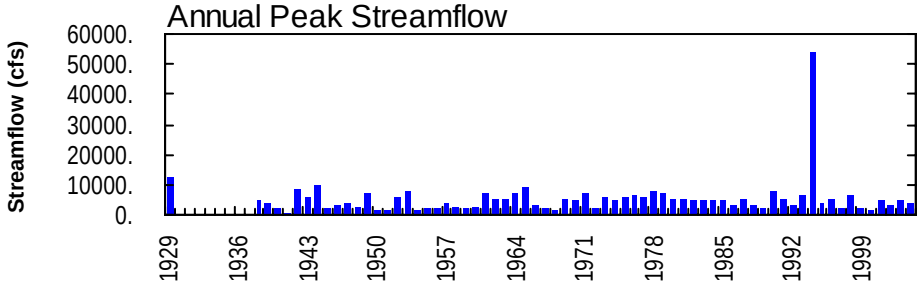
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2004 Water Year

02213500 TOBESOFKEE CREEK NEAR MACON, GA

LOCATION.—Lat 32°48'32", long 83°45'30", referenced to North American Datum (NAD) of 1983, Bibb County, Hydrologic Unit 03070103, on right bank at downstream end of pier of bridge on GA 22 connector, 8.0 miles west of Macon, and 14.0 miles upstream from mouth.

DRAINAGE AREA.—182 square miles.

COOPERATION.—Bibb County.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

REVISED RECORDS.—WSP 1204: 1942.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 309.98 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to August 28, 1942, a non-recording gage was located at same site and datum.

REMARKS.—Records good. Flow regulated to some extent since November 1967 by Lake Tobesofkee about 1.0 mile upstream.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,900 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
01/26	1430	2,260	10.27
09/03	1515	3,260	12.99
09/07	0645	3,060	12.50
09/17	0415	2,350	10.53
09/27	1745	3,740*	14.18*

02213500 TOBESOFKEE CREEK NEAR MACON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 309.98 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to August 28, 1942, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height,14.18 feet, September 27; minimum gage-height recorded, 1.43 feet, July 22-25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 15, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

STATION NUMBER 02213500 TOBESOFKEE CREEK NEAR MACON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324832 LONGITUDE 0834530 NAD83 DRAINAGE AREA 182 CONTRIBUTING DRAINAGE AREA 182* DATUM 309.98 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	47	61	92	19	284	114	7.2	6.6	141	8.7	15
2	66	34	21	90	375	436	79	8.3	13	226	9.2	28
3	53	7.6	24	89	278	103	69	251	14	241	11	652
4	27	7.4	257	87	16	101	72	104	20	155	12	34
5	26	15	168	226	114	228	66	76	13	73	12	11
6	26	32	19	294	317	354	66	50	12	62	12	46
7	26	42	19	129	871	124	67	39	6.4	90	11	1790
8	26	49	19	17	467	127	94	32	7.3	8.0	11	1090
9	183	53	19	18	247	129	92	29	13	38	11	235
10	132	54	168	18	204	128	82	35	12	43	12	113
11	26	51	167	19	252	128	69	21	19	51	12	13
12	26	46	50	38	448	126	86	24	9.8	12	131	12
13	26	50	62	83	992	127	130	8.1	30	16	50	12
14	129	56	168	126	783	126	72	4.9	93	18	11	549
15	e139	56	226	184	510	125	118	4.9	93	13	11	73
16	5.6	54	127	184	248	127	95	5.1	97	9.4	11	108
17	5.7	51	19	183	e212	129	22	158	43	9.8	11	1520
18	7.4	62	21	180	307	230	27	46	65	8.0	11	510
19	7.7	150	35	132	307	95	25	42	29	15	11	250
20	7.3	10	104	26	305	95	7.2	49	19	6.2	11	67
21	15	11	112	24	235	95	7.4	32	22	5.6	11	51
22	50	92	112	24	27	98	7.6	34	65	5.4	11	99
23	57	217	109	24	168	99	27	24	357	5.4	11	107
24	56	81	221	25	291	93	55	25	292	5.3	11	61
25	55	99	183	50	291	9.9	61	16	249	5.3	11	56
26	50	99	19	1100	402	12	197	17	243	6.1	11	59
27	49	99	19	326	641	9.3	118	7.7	356	8.4	11	e1310
28	47	103	19	186	282	166	7.0	8.2	215	8.6	11	1760
29	42	110	30	442	25	122	6.6	7.5	103	8.6	11	e645
30	47	111	79	212	---	107	6.4	6.5	140	8.7	12	281
31	48	---	93	18	---	144	---	25	---	8.7	21	---
TOTAL	1528.7	1949.0	2750	4646	9634	4277.2	1945.2	1197.4	2657.1	1311.5	511.9	11557
MEAN	49.3	65.0	88.7	150	332	138	64.8	38.6	88.6	42.3	16.5	385
MAX	183	217	257	1100	992	436	197	251	357	241	131	1790
MIN	5.6	7.4	19	17	16	9.3	6.4	4.9	6.4	5.3	8.7	11
CFSM	0.27	0.36	0.49	0.82	1.83	0.76	0.36	0.21	0.49	0.23	0.09	2.12
IN.	0.31	0.40	0.56	0.95	1.97	0.87	0.40	0.24	0.54	0.27	0.10	2.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	64.6	102	194	272	352	416	296	168	103	117	85.1	63.4
MAX	459	672	708	690	794	1295	1099	948	249	1271	383	385
(WY)	1965	1949	1965	1964	1961	1944	1964	1953	1957	1994	1994	2004
MIN	5.97	8.28	9.17	43.6	78.7	43.3	57.1	28.5	8.65	8.70	6.86	4.80
(WY)	1955	2001	2001	1956	2000	1981	2000	2000	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	74621.2		43965.0			
ANNUAL MEAN	204		120		186	
HIGHEST ANNUAL MEAN					349	1964
LOWEST ANNUAL MEAN					46.5	2000
HIGHEST DAILY MEAN	2170	Jul 2	1790	Sep 7	13000	Jul 6 1994
LOWEST DAILY MEAN	5.6	Oct 16	4.9	May 14 a	2.5	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	14	Oct 16	5.6	Jul 20	3.1	Oct 3 1954
MAXIMUM PEAK FLOW			3740	Sep 27	54000	Jul 6 1994
MAXIMUM PEAK STAGE			14.18	Sep 27	39.50	Jul 6 1994
INSTANTANEOUS LOW FLOW			4.1	May 14	2.3	Oct 10 1954
ANNUAL RUNOFF (CFSM)	1.12		0.660		1.02	
ANNUAL RUNOFF (INCHES)	15.25		8.99		13.90	
10 PERCENT EXCEEDS	445		279		366	
50 PERCENT EXCEEDS	127		51		90	
90 PERCENT EXCEEDS	22		8.5		25	

e Estimated
a Also May 15

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213500 TOBESOFKEE CREEK NEAR MACON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324832 LONGITUDE 0834530 NAD83 DRAINAGE AREA 182 CONTRIBUTING DRAINAGE AREA 182* DATUM 309.98 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.34	2.15	2.00	2.34	1.63	2.98	2.59	1.55	1.48	2.66	1.54	1.67
2	2.32	1.97	1.67	2.33	3.33	3.79	2.38	1.58	1.61	3.05	1.55	1.80
3	2.18	1.56	1.72	2.32	2.88	2.41	2.32	3.04	1.63	3.11	1.59	4.22
4	1.91	1.56	2.92	2.31	1.58	2.40	2.32	2.23	1.72	2.72	1.62	1.89
5	1.91	1.69	2.44	2.95	2.18	2.95	2.28	2.18	1.62	2.17	1.61	1.59
6	1.90	1.99	1.63	3.26	3.35	3.48	2.27	2.02	1.59	2.06	1.62	1.84
7	1.90	2.10	1.63	2.29	5.45	2.54	2.27	2.03	1.48	2.26	1.60	8.61
8	1.91	2.17	1.63	1.59	3.93	2.56	2.49	1.92	1.50	1.52	1.60	6.28
9	2.81	2.21	1.63	1.61	3.07	2.57	2.47	1.90	1.62	1.84	1.60	2.71
10	2.52	2.21	2.49	1.61	2.90	2.56	2.41	1.99	1.62	1.93	1.62	2.15
11	1.90	2.19	2.65	1.62	3.09	2.56	2.31	1.79	1.72	1.98	1.61	1.63
12	1.90	2.14	2.02	1.85	3.86	2.55	2.44	1.64	1.55	1.59	2.40	1.62
13	1.90	2.18	2.11	2.28	5.89	2.55	2.70	1.55	1.81	1.67	1.96	1.62
14	2.50	2.24	2.71	2.52	5.12	2.55	2.29	1.48	2.32	1.70	1.60	4.04
15	---	2.23	2.99	2.81	4.11	2.55	2.55	1.48	2.33	1.62	1.60	2.23
16	1.50	2.22	2.35	2.82	2.83	2.56	2.30	1.48	2.42	1.55	1.59	2.22
17	1.51	2.19	1.63	2.81	---	2.57	1.84	2.51	1.90	1.57	1.60	7.79
18	1.56	2.25	1.66	2.80	3.31	3.00	1.92	2.03	2.16	1.52	1.59	3.82
19	1.57	2.61	1.81	2.47	3.31	2.52	1.87	1.97	1.85	1.64	1.59	3.13
20	1.55	1.63	2.42	1.74	3.30	2.52	1.55	2.04	1.71	1.47	1.59	2.00
21	1.69	1.65	2.47	1.72	2.93	2.52	1.56	1.89	1.77	1.45	1.59	1.92
22	2.18	2.16	2.47	1.72	1.76	2.54	1.56	1.91	2.09	1.45	1.59	2.28
23	2.24	2.89	2.45	1.72	2.56	2.55	1.87	1.79	3.57	1.45	1.59	2.25
24	2.24	2.27	2.94	1.72	3.25	2.41	2.22	1.77	3.30	1.44	1.60	1.91
25	2.23	2.39	2.61	1.98	3.25	1.62	2.28	1.67	3.14	1.44	1.59	1.90
26	2.19	2.39	1.64	6.16	3.68	1.66	2.92	1.69	3.12	1.47	1.60	1.92
27	2.17	2.38	1.63	3.07	4.60	1.61	2.28	1.52	3.55	1.53	1.60	---
28	2.15	2.41	1.63	2.56	2.94	2.62	1.55	1.52	2.65	1.54	1.60	8.58
29	2.11	2.45	1.77	3.84	1.72	2.67	1.54	1.51	2.43	1.54	1.60	---
30	2.16	2.46	2.25	2.66	---	2.51	1.53	1.48	2.64	1.54	1.62	3.14
31	2.16	---	2.34	1.61	---	2.56	---	1.72	---	1.54	1.74	---
MEAN	---	2.16	2.14	2.42	---	2.56	2.16	1.83	2.13	1.81	1.64	---
MAX	---	2.89	2.99	6.16	---	3.79	2.92	3.04	3.57	3.11	2.40	---
MIN	---	1.56	1.63	1.59	---	1.61	1.53	1.48	1.48	1.44	1.54	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213500 TOBESOFKEE CREEK NEAR MACON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324832 LONGITUDE 0834530 NAD83 DRAINAGE AREA 182 CONTRIBUTING DRAINAGE AREA 182* DATUM 309.98 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.05
2	---	0.00	0.00	0.00	0.45	0.00	0.00	0.49	0.00	1.58	0.75	0.01
3	---	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00
4	---	0.09	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	---	0.16	0.00	0.17	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	---	0.00	0.00	0.00	1.07	0.09	0.00	0.00	0.00	0.00	0.00	3.29
7	---	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	2.87
8	---	0.00	0.00	0.08	0.00	0.00	0.30	0.00	0.55	0.00	0.00	0.11
9	---	0.00	0.00	0.26	0.00	0.01	0.00	0.00	0.02	0.54	0.00	0.00
10	---	0.00	0.62	0.00	0.03	0.00	0.00	0.00	0.00	0.00	1.08	0.00
11	---	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	---	0.00	0.00	0.00	1.09	0.00	0.05	0.03	0.00	0.00	2.50	0.00
13	---	0.00	0.15	0.00	0.00	0.00	0.45	0.01	0.40	0.00	0.00	0.09
14	---	0.00	0.20	0.01	0.87	0.00	0.00	0.00	0.88	0.00	0.00	0.00
15	---	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.46	0.00	0.00	0.01
16	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.02	0.00	0.00	1.82
17	0.04	0.00	0.18	0.12	0.00	0.00	0.00	0.01	0.01	0.00	0.35	0.21
18	0.00	0.89	0.00	0.36	0.00	0.00	0.00	0.02	0.21	0.35	0.00	0.00
19	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
21	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.37	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.01	0.00
23	0.00	0.00	0.26	0.00	0.07	0.00	0.00	0.00	0.94	0.00	0.00	0.00
24	0.00	0.10	0.04	0.00	0.02	0.00	0.00	0.00	1.12	0.00	0.03	0.00
25	0.00	0.00	0.00	0.62	0.48	0.00	0.00	0.00	0.50	0.00	0.00	0.00
26	0.07	0.00	0.00	2.33	0.74	0.00	0.40	0.00	0.00	0.00	0.00	0.00
27	0.01	0.19	0.00	0.00	0.00	0.00	0.01	0.00	1.38	0.03	0.00	4.96
28	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
30	0.00	0.00	0.05	0.00	---	0.11	0.24	0.00	0.09	0.00	0.69	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.14	---	0.00	0.00	---
TOTAL	---	2.21	2.11	3.95	5.19	0.36	1.45	1.00	7.30	2.76	5.54	13.42

2004 Water Year

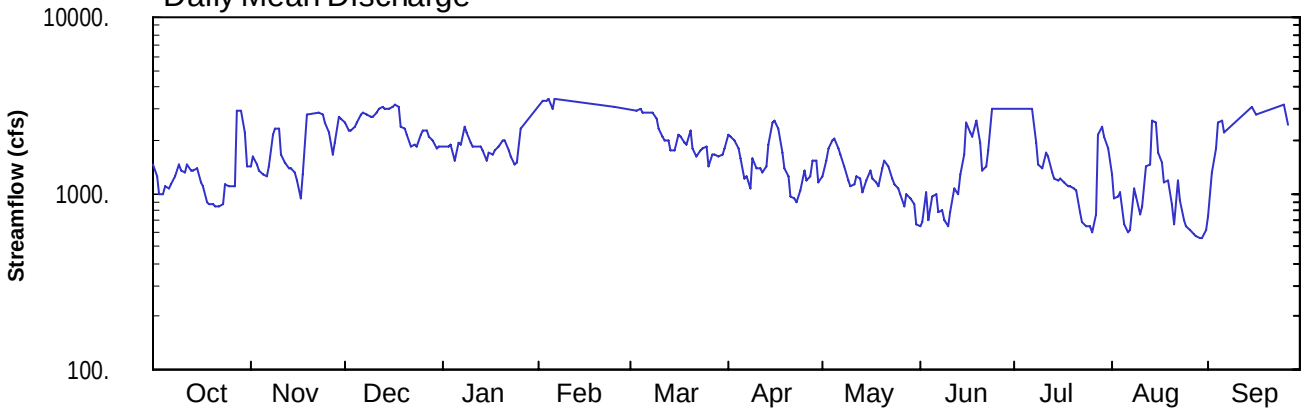
ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA

Latitude: 32°40'17" Longitude: 083°36'11" Hydrologic Unit Code: 03070103

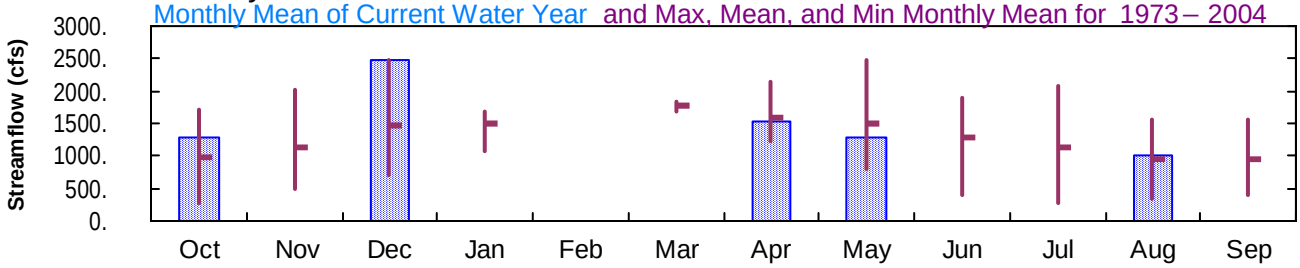
Bibb County Datum: 251.00 feet Drainage Area: 2690. mi²

Daily Mean Discharge

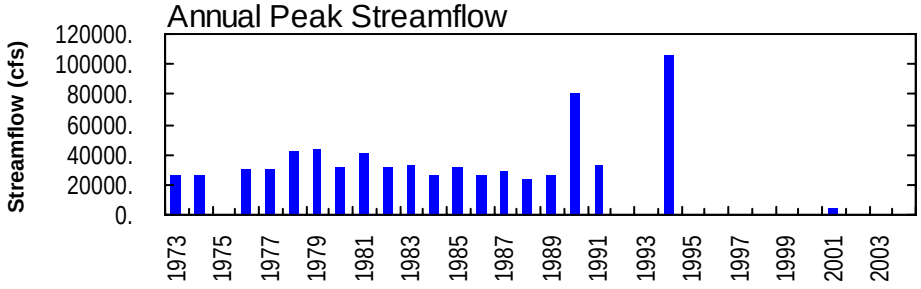


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1973 – 2004



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA

LOCATION.—Lat 32°40'17", long 83°36'11", referenced to North American Datum (NAD) of 1927, Bibb-Twiggs County line, Hydrologic Unit 03070103, on right bank 0.8 miles upstream from Echeconnee Creek, 4.0 miles northeast of Warner Robins, and 5.7 miles downstream from Tobesofkee Creek.

DRAINAGE AREA.—2,690 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1972 to current year, discharge less than 3,600 cfs, only.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 244.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Flow regulated by Lloyd Shoals Reservoir.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1972 to current year, discharge less than 3,600 cfs, only.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 244.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 14.54 feet, September 29; minimum gage-height, 3.18 feet, August 7, 30.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 14, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00* CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1460	e1420	e2510	1840	---	---	2140	1230	655	---	1260	742
2	1240	e1630	e2280	1860	3390	---	2100	1540	683	---	942	1320
3	996	e1440	e2280	1860	3320	2980	1980	1790	1000	---	970	1800
4	978	1350	2400	1900	e3430	2990	1780	2000	697	---	1000	2520
5	1090	1290	2530	1530	e3020	2870	1560	2030	972	---	672	2590
6	1070	1250	2770	1940	3400	2840	1200	1790	986	---	601	2200
7	1120	1420	2900	1890	---	2850	1230	1660	786	3020	618	---
8	1250	2170	2770	2380	---	2900	1080	1420	794	1930	1080	---
9	1450	2310	2700	2210	---	2650	1600	1190	695	1460	959	---
10	e1340	2320	2710	1930	---	2330	1380	1090	653	1370	760	---
11	e1330	1650	2860	1830	---	2080	1380	1130	781	1700	835	---
12	e1440	1510	3020	1860	---	2010	1320	1240	1070	1630	1410	---
13	e1350	1400	3100	1860	---	1990	1440	1210	993	1330	1440	---
14	e1360	1370	3050	1760	---	1760	1890	1020	1270	1230	2570	---
15	e1400	1330	3040	1540	---	1740	2510	1190	1680	1190	2530	3130
16	e1170	1180	3120	1690	---	2140	2600	1350	2490	1220	1690	2760
17	e1090	931	3160	1650	---	2120	2330	1210	2220	1150	1480	---
18	e894	e1280	3100	1770	---	1940	1690	1150	2090	1110	1150	---
19	e869	e2780	e2420	1850	---	1890	1390	1090	2580	1100	1200	---
20	e869	---	e2320	1990	---	2260	1250	1400	1960	1080	872	---
21	e850	---	e2150	2000	---	1790	950	1520	1350	1030	666	---
22	e850	---	1820	1770	---	1640	947	1420	1440	786	1190	---
23	878	2900	1900	1620	---	1740	900	1210	1740	693	906	---
24	1130	2790	1840	1460	---	1800	1030	1130	3020	649	698	---
25	1100	e2540	2140	1480	3120	1840	1350	1070	---	643	648	3200
26	1090	e2210	2260	2310	---	1400	1200	992	---	604	614	2430
27	1100	e1660	2250	---	---	1650	1260	841	---	753	585	---
28	e2920	e1930	2120	---	---	1680	1520	987	---	2150	573	---
29	e2950	e2740	1980	---	---	1610	1520	936	---	2380	559	---
30	e2230	e2660	1810	---	---	1660	1160	876	---	2090	558	---
31	e1420	---	1820	---	---	1780	---	672	---	1810	612	---
TOTAL	40284	---	77130	---	---	---	45687	39384	---	---	31648	---
MEAN	1299	---	2488	---	---	---	1523	1270	---	---	1021	---
MAX	2950		3160				2600	2030			2570	
MIN	850		1810				900	672			558	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	971	1141	1467	1493	---	1766	1599	1493	1294	1125	946	941
MAX	1702	2013	2488	1677	---	1836	2150	2474	1904	2089	1562	1566
(WY)	1978	1976	2004	1989	---	1981	1992	1983	1983	1973	1982	1979
MIN	289	497	714	1070	---	1695	1238	807	407	284	343	408
(WY)	1988	1988	2002	1981	---	1988	1986	1986	1988	1988	1988	1999

SUMMARY STATISTICS WATER YEARS 1973 - 2004

HIGHEST DAILY MEAN	3600	Aug 7 1973
LOWEST DAILY MEAN	227	Oct 18 1987
ANNUAL SEVEN-DAY MINIMUM	248	Jul 26 1988
MAXIMUM PEAK STAGE	21.75	Jul 8 1994
INSTANTANEOUS LOW FLOW	227	Sep 28 1981

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00* CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.85	---	---	7.73	12.06	12.73	9.05	6.05	3.69	13.36	6.13	4.06
2	6.06	---	---	7.81	11.58	11.59	8.99	7.14	3.81	13.57	4.92	6.37
3	5.14	---	---	7.81	11.45	10.92	8.61	7.99	5.15	13.53	5.04	7.96
4	5.07	6.45	9.32	7.93	11.81	10.93	7.93	8.62	3.87	13.20	5.17	9.99
5	5.50	6.25	9.65	6.69	12.06	10.71	7.20	8.72	5.04	12.61	3.76	10.14
6	5.45	6.13	10.24	---	11.60	10.64	5.94	7.98	5.09	12.00	3.43	9.12
7	5.63	6.71	10.54	7.90	12.61	10.67	6.05	7.54	4.27	10.97	3.50	10.34
8	6.13	9.15	---	9.26	13.67	10.77	5.47	6.69	4.31	8.38	5.45	13.84
9	6.84	9.50	10.07	---	13.90	10.26	7.31	5.87	3.87	6.85	4.98	14.45
10	---	9.53	10.10	8.04	13.54	9.54	6.58	5.52	3.68	6.54	4.16	14.39
11	---	7.49	10.46	7.70	13.25	8.92	6.58	5.67	4.24	7.68	4.43	14.26
12	---	7.04	10.82	7.82	---	8.70	6.37	6.08	5.41	7.45	6.69	14.05
13	---	6.65	11.00	7.80	---	8.63	6.77	5.94	5.13	6.38	6.79	13.38
14	---	6.56	10.87	7.47	---	7.88	8.30	5.24	6.09	6.02	10.08	12.51
15	---	6.40	10.86	6.75	---	7.81	9.97	5.90	7.58	5.88	10.01	11.20
16	---	5.85	11.02	7.24	---	9.01	10.16	6.46	9.93	5.98	7.63	10.49
17	---	---	11.11	7.12	---	9.01	9.57	5.96	9.27	5.72	6.92	11.98
18	---	---	---	7.49	---	8.46	7.62	5.72	8.91	5.58	5.73	13.51
19	---	---	---	7.76	---	8.32	6.59	5.49	10.12	5.55	5.89	14.29
20	---	---	---	8.24	---	9.35	6.11	6.64	8.44	5.47	4.62	14.32
21	---	---	---	8.26	13.51	7.96	4.96	7.08	6.46	5.26	3.74	14.22
22	---	---	---	7.51	13.31	7.47	4.95	6.70	6.78	4.27	5.85	13.90
23	4.66	---	7.93	7.01	12.65	7.81	4.75	5.95	7.72	3.86	4.76	13.29
24	5.66	---	7.73	6.48	11.41	8.01	5.28	5.65	10.99	3.66	3.88	12.51
25	5.55	---	8.69	6.52	11.17	8.13	6.48	5.41	11.91	3.63	3.65	11.31
26	5.52	---	8.97	8.94	11.75	6.66	5.92	5.12	12.32	3.45	3.50	9.71
27	5.56	---	8.98	12.90	13.14	7.52	6.13	4.51	12.33	4.06	3.36	8.38
28	---	---	8.63	14.21	13.55	7.59	7.07	5.10	11.70	9.07	3.30	13.55
29	---	---	---	13.87	13.31	7.36	7.04	4.90	11.93	9.68	3.23	14.51
30	---	---	7.65	13.23	---	7.53	5.77	4.65	12.59	8.95	3.23	14.32
31	---	---	7.68	12.62	---	7.92	---	3.77	---	8.04	3.49	---
MEAN	---	---	---	---	---	8.99	6.98	6.13	7.42	7.63	5.07	11.88
MAX	---	---	---	---	---	12.73	10.16	8.72	12.59	13.57	10.08	14.51
MIN	---	---	---	---	---	6.66	4.75	3.77	3.68	3.45	3.23	4.06

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00* CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	0.00	0.00	0.00	0.00	0.59	0.04	0.00	0.00	2.60
2	0.00	---	---	0.00	0.27	0.00	0.00	0.27	0.00	0.34	0.01	0.01
3	0.00	---	---	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00
4	0.00	0.11	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
5	0.00	0.08	0.00	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.03	0.00	0.00	---	1.05	0.03	0.00	0.00	0.00	0.00	0.00	3.12
7	0.53	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.02	0.00	2.33
8	0.50	0.00	0.00	---	0.00	0.00	0.31	0.00	0.06	0.01	0.00	0.04
9	0.00	0.01	0.00	---	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00
10	0.00	0.00	0.44	0.00	0.02	0.00	0.01	0.00	0.00	0.00	1.09	0.00
11	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.01	---	0.00	0.00	0.21	0.00	0.00	1.94	0.00
13	0.00	0.00	0.21	0.00	---	0.00	0.34	0.03	0.46	0.00	0.01	0.18
14	0.01	0.00	0.20	0.00	---	0.00	0.00	0.00	0.01	0.00	0.03	0.00
15	0.01	0.00	0.00	0.00	---	0.00	0.00	0.00	0.52	0.00	0.00	0.00
16	---	0.00	0.00	0.00	---	0.04	0.00	0.02	0.17	0.00	0.00	0.42
17	---	0.00	0.14	0.12	---	0.00	0.00	0.00	0.01	0.00	2.86	0.14
18	---	---	---	0.24	---	0.00	0.00	0.01	0.22	0.19	0.00	0.00
19	---	---	---	0.00	---	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	---	---	---	0.00	---	0.00	0.00	0.13	0.00	0.00	0.28	0.00
21	---	---	---	0.00	0.00	0.05	0.00	0.00	0.06	0.00	1.21	0.00
22	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.19	0.00
23	0.00	---	0.24	0.00	0.08	0.00	0.00	0.00	1.13	0.00	0.02	0.00
24	0.00	---	0.01	0.00	0.02	0.00	0.00	0.00	0.10	0.15	0.00	0.00
25	0.00	---	0.00	0.49	0.95	0.00	0.00	0.00	0.31	0.00	0.00	0.00
26	0.19	---	0.00	3.20	0.71	0.00	0.48	0.00	0.00	0.01	0.00	0.00
27	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.08	0.00	5.75
28	---	---	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
30	---	---	0.05	0.00	---	0.30	0.26	0.00	0.22	0.00	0.13	0.00
31	---	---	0.00	0.00	---	0.06	---	0.19	---	0.00	0.00	---
TOTAL	---	---	---	---	---	0.49	1.41	1.46	4.49	0.87	7.90	14.59

ALTAMAHA RIVER BASIN
2004 Water Year

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA

LOCATION.—Lat 32°40'17", long 83°36'11", referenced to North American Datum (NAD) of 1927, Bibb-Twiggs County line, Hydrologic Unit 03070103, on right bank 0.8 miles upstream from Echeconnee Creek, 4.0 miles northeast of Warner Robins, and 5.7 miles downstream from Tobesofkee Creek.

DRAINAGE AREA.—2,690 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—May 1970 to February 1994, November 1994 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: October 1970 to current year.
pH: October 1971 to current year.
WATER TEMPERATURE: February 1970 to current year.
DISSOLVED OXYGEN: May 1970 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for dissolved oxygen, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 377 microsiemens, October 27, 1987; minimum recorded, 25.0 microsiemens, January 7, 1974.
pH: Maximum recorded, 8.8 units, October 6-8, 1993; minimum recorded, 5.2 units, January 14, 1972.
WATER TEMPERATURE: Maximum recorded, 34.5 °C, August 2, 1999; minimum recorded, 1.0 °C, January 19, 20, 1977.
DISSOLVED OXYGEN: Maximum recorded, 13.6 mg/L, March 15, 1993; minimum recorded, 0.0 mg/L, June 8, 9, 1971.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 223 microsiemens, August 29; minimum recorded, 54 microsiemens, September 28, 29.
pH: Maximum recorded, 7.6 units, August 6; minimum recorded, 6.5 units, on several days.
WATER TEMPERATURE: Maximum recorded, 31.8 °C, July 24, 25; minimum recorded, 5.9 °C, January 29, 30.
DISSOLVED OXYGEN: Maximum recorded, 12.5 mg/L, January 8; minimum recorded, 5.2 mg/L, September 25.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	149	130	137	---	---	---	---	---	---	127	118	123
2	153	133	139	---	---	---	---	---	---	123	119	121
3	155	134	145	---	---	---	---	---	---	123	117	119
4	155	147	152	168	132	141	---	---	---	127	119	124
5	157	142	148	168	146	153	---	---	---	143	126	135
6	163	145	150	167	125	133	---	---	---	135	119	123
7	164	147	152	153	132	138	---	---	---	128	117	123
8	154	140	144	132	118	124	---	---	---	127	109	114
9	151	135	138	128	119	124	---	---	---	120	109	114
10	144	126	134	128	113	119	118	114	116	130	119	125
11	141	129	132	140	115	121	118	114	116	132	122	126
12	142	126	132	142	120	128	117	113	115	128	118	123
13	156	---	---	139	122	134	115	110	112	129	120	125
14	155	138	146	143	131	138	113	109	111	126	116	121
15	148	136	140	147	134	141	114	112	113	134	125	129
16	139	---	---	143	137	140	117	112	114	132	120	127
17	---	---	---	158	141	152	115	112	113	126	116	123
18	---	---	---	153	140	145	116	112	114	129	122	125
19	---	---	---	152	122	137	---	---	---	130	123	125
20	---	---	---	124	---	---	---	---	---	130	117	124
21	---	---	---	---	---	---	---	---	---	127	118	122
22	167	146	155	---	---	---	---	---	---	133	124	127
23	164	149	157	---	---	---	---	---	---	135	121	126
24	164	142	149	---	---	---	---	---	---	136	125	132
25	169	148	156	---	---	---	---	---	---	142	128	135
26	166	145	152	---	---	---	---	---	---	132	114	126
27	160	145	150	---	---	---	---	---	---	114	93	102
28	165	129	152	---	---	---	---	---	---	94	87	90
29	131	119	123	---	---	---	---	---	---	106	94	100
30	131	120	127	---	---	---	126	112	119	109	106	108
31	---	---	---	---	---	---	128	114	122	106	100	103
MONTH	---	---	---	---	---	---	---	---	---	143	87	121

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	102	98	100	88	83	86	125	117	121	149	131	139
2	104	101	102	98	88	94	124	116	119	149	128	135
3	104	100	102	101	97	100	122	117	119	131	122	126
4	104	94	100	98	96	97	127	119	124	124	111	121
5	99	93	95	105	98	102	135	118	128	126	111	116
6	99	97	98	107	101	104	143	135	140	138	112	124
7	99	89	94	106	99	103	149	119	131	136	121	128
8	89	86	87	104	95	99	154	147	150	142	115	126
9	91	88	89	102	96	99	151	123	134	147	129	135
10	95	91	93	106	98	103	138	134	136	151	135	141
11	95	93	94	106	96	102	144	128	135	155	136	142
12	---	---	---	105	99	102	150	137	143	153	127	134
13	---	---	---	103	100	101	150	135	142	156	133	142
14	---	---	---	115	102	109	135	116	126	163	147	153
15	---	---	---	126	103	115	117	109	113	166	141	149
16	---	---	---	124	107	113	117	112	115	154	126	138
17	---	---	---	126	113	118	119	113	117	149	137	141
18	---	---	---	130	120	124	132	117	123	166	134	145
19	---	---	---	131	112	121	151	125	133	166	149	154
20	---	---	---	126	110	114	143	131	135	157	141	148
21	83	82	82	127	115	121	153	128	141	146	128	138
22	83	81	82	141	123	130	155	130	140	156	131	145
23	88	79	82	141	125	131	161	153	157	156	142	146
24	97	88	92	125	115	119	156	147	154	163	134	146
25	97	87	92	129	120	124	147	131	135	168	154	159
26	91	86	88	137	124	128	153	136	141	171	147	153
27	89	78	80	137	125	131	153	132	138	178	161	171
28	79	77	78	136	128	132	148	126	132	182	156	164
29	83	79	81	136	122	130	145	120	130	183	160	168
30	---	---	---	129	116	124	148	131	137	193	165	173
31	---	---	---	130	115	124	---	---	---	201	170	188
MONTH	---	---	---	141	83	113	161	109	133	201	111	145

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	190	173	182	112	110	111	155	123	136	200	172	186
2	203	174	193	110	106	107	164	138	149	172	128	146
3	203	149	160	109	106	107	169	143	150	137	114	126
4	166	148	155	106	103	104	172	140	150	124	117	122
5	176	149	158	104	101	102	182	163	176	129	123	124
6	178	148	155	105	100	102	182	165	175	129	127	128
7	173	159	166	115	103	107	184	173	176	143	90	114
8	180	164	170	130	113	121	184	152	162	91	72	83
9	187	167	179	148	114	126	171	140	152	88	75	84
10	194	177	188	154	131	139	192	153	171	90	88	89
11	200	168	184	137	113	123	173	144	164	88	82	85
12	180	145	157	133	111	121	153	134	145	84	82	82
13	177	154	164	146	123	130	152	119	132	86	84	85
14	178	134	158	146	118	128	142	120	128	90	85	87
15	149	136	143	156	123	131	134	125	129	98	90	94
16	142	129	137	156	128	137	153	131	141	104	88	95
17	147	138	142	153	120	129	161	136	147	94	71	84
18	150	141	145	152	123	133	161	137	146	76	65	69
19	147	141	144	156	132	139	187	139	160	75	71	74
20	157	144	147	162	139	146	160	151	156	71	68	69
21	161	148	157	162	127	137	175	158	169	69	67	68
22	150	141	145	168	135	155	190	157	168	71	67	70
23	160	124	145	167	154	159	178	161	170	74	71	73
24	124	104	116	164	156	162	175	156	164	78	73	75
25	117	108	112	183	163	177	198	175	187	86	78	82
26	115	107	111	180	166	174	206	198	201	100	85	91
27	116	108	112	175	135	168	210	199	205	119	100	107
28	113	93	106	135	103	111	211	200	205	110	54	69
29	117	108	112	112	104	107	223	199	208	59	54	56
30	111	107	109	122	112	118	218	199	209	70	59	65
31	---	---	---	127	119	124	221	200	211	---	---	---
MONTH	203	93	148	183	100	130	223	119	166	200	54	93

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.2	7.2	7.2	---	---	---	---	---	---	---	---	---
2	7.2	7.2	7.2	---	---	---	---	---	---	---	---	---
3	7.2	7.2	7.2	---	---	---	---	---	---	---	---	---
4	7.2	7.2	7.2	7.3	7.2	7.3	---	---	---	---	---	---
5	7.2	7.2	7.2	7.3	7.2	7.3	---	---	---	---	---	---
6	7.2	7.2	7.2	7.3	7.2	7.2	---	---	---	7.5	7.4	7.5
7	7.2	7.2	7.2	7.3	7.2	7.2	---	---	---	7.5	7.3	7.4
8	7.2	7.2	7.2	7.3	7.3	7.3	---	---	---	7.4	7.3	7.4
9	7.3	7.1	7.2	7.3	7.3	7.3	---	---	---	7.4	7.3	7.3
10	7.3	7.2	7.2	7.4	7.3	7.3	7.4	7.3	7.3	7.4	7.4	7.4
11	7.3	7.2	7.2	7.3	7.2	7.2	7.4	7.2	7.2	7.5	7.4	7.4
12	7.3	7.2	7.2	7.3	7.2	7.3	7.3	7.2	7.2	7.5	7.4	7.4
13	7.3	7.2	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.5	7.4	7.5
14	7.3	7.3	7.3	7.4	7.3	7.3	7.2	7.1	7.2	7.5	7.4	7.4
15	7.3	7.3	7.3	7.4	7.3	7.3	7.2	7.1	7.2	7.4	7.4	7.4
16	---	---	---	7.4	7.2	7.3	7.3	7.2	7.2	7.4	7.4	7.4
17	---	---	---	7.3	7.2	7.2	7.3	7.2	7.3	7.4	7.4	7.4
18	---	---	---	7.3	7.3	7.3	7.3	7.2	7.3	7.4	7.4	7.4
19	---	---	---	7.3	7.2	7.3	---	---	---	7.4	7.4	7.4
20	---	---	---	---	---	---	---	---	---	7.5	7.4	7.4
21	---	---	---	---	---	---	---	---	---	7.5	7.4	7.4
22	---	---	---	---	---	---	---	---	---	7.5	7.4	7.4
23	7.3	7.3	7.3	---	---	---	---	---	---	7.5	7.4	7.4
24	7.4	7.3	7.3	---	---	---	---	---	---	7.4	7.4	7.4
25	7.4	7.3	7.4	---	---	---	---	---	---	7.4	7.4	7.4
26	7.4	7.3	7.3	---	---	---	---	---	---	7.5	7.4	7.4
27	7.3	7.3	7.3	---	---	---	---	---	---	7.4	7.1	7.3
28	7.4	7.3	7.3	---	---	---	---	---	---	7.2	7.1	7.1
29	7.4	7.2	7.4	---	---	---	---	---	---	7.3	7.2	7.2
30	7.3	7.2	7.2	---	---	---	---	---	---	7.3	7.3	7.3
31	---	---	---	---	---	---	---	---	---	7.3	7.3	7.3
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.2	7.3	7.3	7.3
2	7.3	7.3	7.3	7.2	7.1	7.2	7.3	7.2	7.2	7.4	7.3	7.3
3	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.2	7.4	7.3	7.4
4	7.3	7.3	7.3	7.2	7.0	7.1	7.3	7.2	7.2	7.4	7.4	7.4
5	7.3	7.3	7.3	7.2	7.1	7.1	7.2	7.2	7.2	7.4	7.3	7.3
6	7.3	7.2	7.3	7.2	7.1	7.2	7.2	7.1	7.1	7.4	7.3	7.3
7	7.3	7.2	7.3	7.2	7.1	7.2	7.2	7.1	7.2	7.4	7.3	7.3
8	7.2	7.1	7.2	7.2	7.1	7.2	7.1	7.1	7.1	7.3	7.3	7.3
9	7.2	7.2	7.2	7.3	7.1	7.2	7.2	7.0	7.1	7.3	7.3	7.3
10	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.1	7.1	7.3	7.3	7.3
11	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.2	7.3	7.3	7.3
12	---	---	---	7.2	7.2	7.2	7.2	7.1	7.2	7.4	7.3	7.4
13	---	---	---	7.2	7.2	7.2	7.2	7.1	7.2	7.4	7.3	7.4
14	---	---	---	7.2	7.1	7.2	7.3	7.2	7.3	7.3	7.3	7.3
15	---	---	---	7.2	7.1	7.2	7.5	7.3	7.3	7.4	7.3	7.4
16	---	---	---	7.3	7.2	7.2	7.4	7.2	7.4	7.4	7.4	7.4
17	---	---	---	7.3	7.2	7.2	7.4	7.4	7.4	7.4	7.3	7.4
18	---	---	---	7.3	7.2	7.2	7.4	7.3	7.3	7.4	7.2	7.3
19	---	---	---	7.3	7.2	7.2	7.4	7.3	7.3	7.3	7.1	7.2
20	---	---	---	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.2
21	7.2	7.2	7.2	7.3	7.1	7.1	7.3	7.3	7.3	7.2	7.2	7.2
22	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3	7.2	7.2
23	7.2	7.1	7.2	7.3	7.2	7.3	7.3	7.3	7.3	7.2	7.2	7.2
24	7.2	7.1	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.1	7.2
25	7.3	7.2	7.2	7.3	7.3	7.3	7.4	7.3	7.4	7.2	7.2	7.2
26	7.3	7.2	7.2	7.3	7.1	7.2	7.3	7.3	7.3	7.3	7.2	7.2
27	7.2	7.2	7.2	7.3	7.2	7.3	7.4	7.3	7.3	7.2	7.2	7.2
28	7.2	7.2	7.2	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.3
29	7.2	7.2	7.2	7.3	7.2	7.2	7.3	7.3	7.3	7.3	7.2	7.3
30	---	---	---	7.3	7.2	7.2	7.3	7.3	7.3	7.3	7.2	7.3
31	---	---	---	7.2	7.2	7.2	---	---	---	7.2	7.2	7.2
MAX	---	---	---	7.3	7.3	7.3	7.5	7.4	7.4	7.4	7.4	7.4
MIN	---	---	---	7.2	7.0	7.1	7.1	7.0	7.1	7.2	7.1	7.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.3	7.2	7.2	6.9	6.9	6.9	7.3	7.3	7.3	7.4	7.2	7.3
2	7.3	7.2	7.3	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.1	7.2
3	7.3	7.3	7.3	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.2	7.2
4	7.3	7.2	7.2	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.2	7.3
5	7.3	7.3	7.3	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.2	7.2
6	7.3	7.3	7.3	7.0	6.9	6.9	7.6	7.3	7.4	7.2	7.1	7.1
7	7.3	7.3	7.3	7.0	6.9	6.9	7.5	7.3	7.4	7.1	6.9	7.0
8	7.3	7.2	7.3	7.0	6.9	6.9	7.5	7.3	7.4	6.9	6.5	6.6
9	7.3	7.2	7.2	7.1	7.0	7.0	7.4	7.4	7.4	6.7	6.5	6.6
10	7.3	7.2	7.3	7.2	7.1	7.1	7.4	7.3	7.4	6.8	6.7	6.7
11	7.3	7.3	7.3	7.2	7.1	7.1	7.4	7.3	7.3	6.8	6.7	6.8
12	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.3	7.3	6.8	6.8	6.8
13	7.3	7.2	7.3	7.2	7.2	7.2	7.3	7.1	7.1	6.8	6.8	6.8
14	7.2	7.1	7.2	7.3	7.2	7.2	7.2	7.1	7.2	6.9	6.8	6.9
15	7.2	7.2	7.2	7.3	7.2	7.3	7.2	7.1	7.1	6.9	6.8	6.9
16	7.2	7.2	7.2	7.3	7.3	7.3	7.3	7.2	7.2	7.0	6.9	6.9
17	7.2	7.1	7.2	7.3	7.3	7.3	7.3	7.2	7.2	7.0	6.7	7.0
18	7.3	7.2	7.2	7.4	7.2	7.3	7.2	7.2	7.2	6.7	6.6	6.7
19	7.3	7.2	7.2	7.4	7.3	7.4	7.3	7.2	7.3	6.7	6.6	6.6
20	7.3	7.2	7.2	7.4	7.3	7.3	7.3	7.2	7.2	6.7	6.6	6.7
21	7.3	7.2	7.2	7.4	7.3	7.4	7.3	7.2	7.3	6.7	6.7	6.7
22	7.3	7.2	7.3	7.4	7.3	7.3	7.4	7.3	7.3	6.8	6.7	6.8
23	7.3	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.3	6.8	6.8	6.8
24	7.2	7.0	7.1	7.4	7.3	7.3	7.2	7.2	7.2	6.8	6.8	6.8
25	7.0	6.9	7.0	7.4	7.3	7.4	7.3	7.2	7.3	6.9	6.8	6.9
26	7.0	6.9	7.0	7.4	7.3	7.4	7.3	7.3	7.3	6.9	6.9	6.9
27	7.0	6.9	7.0	7.4	7.3	7.4	7.4	7.3	7.3	6.9	6.8	6.9
28	7.0	6.8	6.9	7.3	7.2	7.3	7.4	7.3	7.3	6.9	6.5	6.6
29	7.0	7.0	7.0	7.4	7.3	7.4	7.3	7.3	7.3	6.5	6.5	6.5
30	7.0	6.9	7.0	7.4	7.3	7.3	7.4	7.3	7.3	6.6	6.5	6.6
31	---	---	---	7.4	7.3	7.3	7.4	7.3	7.4	---	---	---
MAX	7.3	7.3	7.3	7.4	7.3	7.4	7.6	7.4	7.4	7.4	7.2	7.3
MIN	7.0	6.8	6.9	6.9	6.9	6.9	7.2	7.1	7.1	6.5	6.5	6.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.8	20.8	21.3	---	---	---	---	---	---	8.5	8.0	8.2
2	21.6	20.6	21.1	---	---	---	---	---	---	8.5	8.0	8.2
3	21.2	20.1	20.6	---	---	---	---	---	---	9.2	8.3	8.8
4	21.3	19.8	20.5	20.4	19.3	19.8	---	---	---	10.4	9.1	9.8
5	21.7	20.3	21.0	21.2	20.4	20.8	---	---	---	12.8	10.4	11.7
6	22.1	21.2	21.6	21.8	21.0	21.4	---	---	---	12.7	11.0	12.0
7	22.4	21.8	22.1	22.5	21.6	21.9	---	---	---	11.0	7.6	9.3
8	22.9	22.1	22.4	21.7	20.0	21.1	---	---	---	7.6	6.5	6.9
9	22.8	22.2	22.5	20.0	18.2	19.0	---	---	---	6.8	6.5	6.6
10	22.8	22.1	22.5	18.2	17.0	17.5	10.6	9.9	10.2	7.0	6.7	6.9
11	22.4	21.9	22.2	17.2	16.6	16.9	10.5	9.9	10.2	7.1	6.3	6.7
12	22.2	21.6	21.9	17.6	16.7	17.1	9.9	8.8	9.4	7.0	6.3	6.6
13	22.0	21.3	21.7	17.8	17.0	17.5	8.8	8.5	8.7	7.5	6.5	7.0
14	22.3	21.7	21.9	17.0	14.7	16.0	8.6	8.3	8.5	8.3	7.2	7.8
15	21.9	20.5	21.4	15.1	14.4	14.7	8.5	8.0	8.3	9.7	8.1	9.0
16	---	---	---	15.5	14.4	14.9	8.5	8.1	8.3	9.3	8.5	9.0
17	---	---	---	16.7	15.3	16.0	9.1	8.4	8.7	8.7	8.5	8.6
18	---	---	---	18.1	16.6	17.3	---	---	---	9.6	8.5	9.1
19	---	---	---	18.7	18.1	18.4	---	---	---	10.3	9.6	10.0
20	---	---	---	---	---	---	---	---	---	9.6	7.9	8.6
21	---	---	---	---	---	---	---	---	---	7.9	7.4	7.7
22	20.9	19.5	20.2	---	---	---	---	---	---	7.8	7.2	7.5
23	20.4	19.4	19.9	---	---	---	---	---	---	7.8	7.2	7.4
24	19.9	19.2	19.5	---	---	---	---	---	---	8.1	7.0	7.5
25	19.8	19.2	19.5	---	---	---	---	---	---	9.2	7.9	8.7
26	20.0	19.5	19.7	---	---	---	---	---	---	8.9	7.4	8.2
27	20.1	19.9	20.0	---	---	---	---	---	---	7.4	6.5	6.9
28	19.9	18.8	19.5	---	---	---	---	---	---	6.5	6.1	6.3
29	18.8	18.3	18.5	---	---	---	---	---	---	6.2	5.9	6.1
30	18.6	18.0	18.3	---	---	---	9.3	8.0	8.7	6.5	5.9	6.2
31	---	---	---	---	---	---	8.9	8.3	8.6	7.1	6.4	6.7
MONTH	---	---	---	---	---	---	---	---	---	12.8	5.9	8.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.2	6.8	7.0	11.2	9.6	10.4	17.1	15.5	16.3	22.6	21.4	21.9
2	6.9	6.7	6.8	12.9	10.9	11.7	15.9	15.1	15.5	22.7	21.9	22.4
3	7.2	6.5	6.8	14.4	12.9	13.7	16.5	15.4	15.9	21.9	20.7	21.5
4	7.2	6.8	7.0	15.2	14.4	14.8	17.4	16.1	16.7	20.7	19.7	20.2
5	7.3	6.9	7.1	15.0	14.8	14.9	17.6	16.4	16.9	20.4	19.2	19.8
6	8.3	7.3	7.7	15.3	14.8	15.1	18.3	16.3	17.2	22.3	20.1	21.1
7	8.9	8.2	8.6	15.2	14.6	14.8	18.3	17.1	17.6	23.6	21.9	22.8
8	8.5	7.4	7.8	14.8	13.6	14.3	19.1	17.4	18.2	24.8	22.9	23.7
9	7.6	7.2	7.4	13.6	12.3	12.9	19.7	18.5	19.1	25.7	24.0	24.7
10	7.7	7.3	7.5	12.4	11.9	12.1	20.0	18.3	19.1	25.2	24.3	24.8
11	8.2	7.4	7.8	12.9	12.0	12.4	20.0	18.7	19.4	25.7	24.8	25.1
12	8.4	8.2	8.3	13.5	12.3	12.9	20.7	19.4	20.0	25.4	24.2	24.8
13	---	---	---	13.9	12.8	13.3	20.4	18.5	19.8	25.6	24.4	24.9
14	---	---	---	14.8	13.2	14.0	18.5	15.7	17.0	26.5	24.6	25.4
15	---	---	---	16.2	14.4	15.3	16.1	15.4	15.7	26.3	25.3	25.7
16	---	---	---	16.4	15.7	16.0	17.8	15.8	16.9	26.3	24.9	25.5
17	---	---	---	16.4	15.5	15.9	19.2	17.8	18.4	26.6	24.8	25.6
18	---	---	---	16.2	15.4	15.7	26.1	18.6	19.3	26.1	25.1	25.6
19	---	---	---	16.7	15.5	16.0	21.7	19.4	20.5	25.7	24.6	25.1
20	9.2	---	---	17.0	16.1	16.6	22.3	20.5	21.3	25.7	24.5	25.1
21	10.4	9.0	9.8	18.1	16.8	17.4	22.4	20.9	21.7	26.8	24.9	25.7
22	10.7	10.2	10.4	17.1	15.2	16.3	22.8	21.0	21.8	26.8	25.8	26.3
23	10.5	10.0	10.2	15.3	14.2	14.8	23.6	21.2	22.4	27.6	26.0	26.7
24	10.3	9.8	10.1	14.9	14.0	14.4	24.4	22.1	23.2	28.0	26.0	26.9
25	10.4	9.6	10.1	15.9	14.3	15.2	24.2	22.8	23.4	28.3	26.7	27.4
26	9.6	7.9	8.7	17.9	15.4	16.7	23.5	22.4	23.2	28.5	26.8	27.7
27	7.9	7.2	7.4	18.6	17.1	17.8	22.4	20.9	21.5	28.9	27.2	27.9
28	8.4	7.2	7.7	19.5	17.9	18.6	21.0	19.8	20.4	28.6	27.4	27.9
29	9.8	8.4	9.1	20.0	18.4	19.1	20.9	19.5	20.1	28.3	27.3	27.8
30	---	---	---	---	---	---	22.0	20.3	21.1	28.1	26.8	27.4
31	---	---	---	18.5	17.1	18.0	---	---	---	28.8	26.8	27.7
MONTH	---	---	---	---	---	---	26.1	15.1	19.3	28.9	19.2	25.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.8	26.2	27.0	26.8	26.4	26.5	30.8	29.3	30.0	29.6	27.5	28.5
2	27.2	25.5	26.4	26.4	26.1	26.3	31.1	29.9	30.4	28.7	27.6	28.2
3	26.9	25.7	26.4	26.2	25.9	26.0	31.2	29.7	30.4	28.3	26.9	27.7
4	27.5	25.8	26.6	27.1	26.0	26.6	30.7	30.1	30.4	27.1	26.5	26.8
5	27.4	26.0	26.6	27.9	26.7	27.3	31.2	29.6	30.3	27.1	26.5	26.8
6	27.9	26.0	26.9	28.4	27.5	27.9	31.2	29.6	30.3	26.6	25.3	26.1
7	28.0	26.6	27.2	28.4	27.4	27.8	29.8	27.9	28.9	25.3	24.1	24.5
8	28.2	26.6	27.3	28.6	27.8	28.2	28.7	27.1	27.9	24.1	23.5	23.8
9	27.8	26.2	27.0	29.7	28.0	28.7	28.6	26.6	27.6	24.6	23.6	24.2
10	28.2	26.2	27.2	30.3	28.7	29.4	27.7	26.1	27.1	24.8	24.4	24.6
11	29.5	27.1	28.3	30.3	29.4	29.8	26.3	25.5	25.9	24.7	24.4	24.6
12	29.7	27.8	28.8	30.1	29.2	29.6	26.0	25.6	25.8	24.7	24.3	24.5
13	29.6	28.5	29.1	31.0	29.4	30.1	25.6	24.7	25.2	24.9	24.3	24.6
14	28.7	27.6	28.1	31.3	29.6	30.4	26.5	25.4	26.1	24.5	23.9	24.2
15	28.4	27.4	27.9	31.1	29.9	30.5	27.3	26.0	26.6	24.3	24.0	24.2
16	27.5	26.9	27.2	30.3	29.2	29.8	27.2	26.3	26.8	24.3	24.0	24.2
17	28.0	26.7	27.3	29.7	28.7	29.2	27.2	26.4	26.8	24.3	23.7	24.0
18	28.4	27.6	28.0	29.4	28.5	28.9	28.4	26.4	27.3	23.7	23.1	23.4
19	28.4	27.5	27.9	29.3	27.9	28.5	29.1	26.9	27.9	23.4	22.7	23.0
20	29.3	27.7	28.4	29.4	27.7	28.5	29.2	27.4	28.2	22.7	21.8	22.2
21	29.7	28.6	29.1	30.2	28.2	29.1	29.0	27.7	28.3	22.0	21.4	21.7
22	29.6	28.5	28.9	30.6	28.5	29.5	29.4	27.9	28.4	22.3	21.7	21.9
23	29.3	27.9	28.6	31.2	29.0	30.1	28.7	27.6	28.0	22.7	21.9	22.3
24	27.9	26.6	27.0	31.8	29.5	30.6	29.2	27.4	28.2	23.2	22.3	22.7
25	26.7	26.0	26.4	31.8	29.7	30.7	29.5	27.6	28.5	23.6	22.7	23.1
26	26.3	26.0	26.2	31.2	29.6	30.4	29.8	27.8	28.8	23.5	23.0	23.3
27	26.6	26.0	26.2	30.5	29.5	30.0	30.1	28.1	29.1	23.1	22.4	22.7
28	26.8	25.9	26.3	29.8	28.6	29.4	30.6	28.4	29.4	22.4	21.7	22.0
29	27.3	26.5	26.9	29.4	28.4	28.9	30.2	28.6	29.4	22.6	22.0	22.3
30	27.8	26.8	27.2	29.2	28.6	28.9	30.2	28.3	29.1	22.7	22.3	22.5
31	---	---	---	29.8	28.5	29.1	29.9	28.0	28.9	---	---	---
MONTH	29.7	25.5	27.4	31.8	25.9	28.9	31.2	24.7	28.3	29.6	21.4	24.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.8	7.4	7.6	---	---	---	---	---	---	---	---	---
2	7.7	7.4	7.6	---	---	---	---	---	---	---	---	---
3	7.9	7.4	7.6	---	---	---	---	---	---	---	---	---
4	7.9	7.8	7.9	9.2	8.6	9.0	---	---	---	---	---	---
5	8.0	7.8	7.9	8.8	8.5	8.7	---	---	---	---	---	---
6	7.9	7.6	7.8	8.7	8.3	8.5	---	---	---	---	---	---
7	7.7	7.6	7.7	8.5	8.3	8.4	---	---	---	11.7	10.6	11.0
8	7.6	7.5	7.6	8.9	8.5	8.7	---	---	---	12.5	11.7	12.2
9	8.0	7.4	7.7	9.4	8.9	9.2	---	---	---	12.4	12.0	12.2
10	7.6	7.4	7.5	9.9	9.4	9.7	11.8	10.8	11.3	12.3	11.9	12.0
11	7.5	7.3	7.4	9.8	9.3	9.6	11.0	10.7	10.9	12.3	11.9	12.1
12	7.7	7.4	7.5	9.8	9.4	9.6	11.3	11.0	11.2	12.4	12.1	12.3
13	7.8	7.6	7.7	9.7	9.4	9.5	11.4	11.3	11.3	12.3	12.0	12.1
14	8.0	7.7	7.8	10.4	9.7	9.9	11.5	11.3	11.4	12.1	11.5	11.7
15	8.1	7.8	7.9	10.5	10.3	10.4	11.5	11.3	11.5	11.6	10.8	11.1
16	---	---	---	10.6	7.8	9.9	11.8	11.4	11.6	11.1	10.8	11.0
17	---	---	---	9.8	9.7	9.7	11.6	11.3	11.4	11.1	10.9	11.0
18	---	---	---	9.8	9.3	9.6	---	---	---	11.1	10.7	10.9
19	---	---	---	9.3	8.8	9.2	---	---	---	10.7	10.2	10.4
20	---	---	---	---	---	---	---	---	---	11.1	10.4	10.7
21	---	---	---	---	---	---	---	---	---	11.4	11.0	11.2
22	---	---	---	---	---	---	---	---	---	11.5	11.1	11.3
23	8.6	8.3	8.4	---	---	---	---	---	---	11.5	11.2	11.3
24	8.9	8.5	8.7	---	---	---	---	---	---	11.3	11.0	11.1
25	9.0	8.6	8.8	---	---	---	---	---	---	11.1	10.4	10.7
26	9.0	8.6	8.8	---	---	---	---	---	---	10.9	10.5	10.6
27	8.8	8.4	8.6	---	---	---	---	---	---	10.9	10.7	10.8
28	8.6	8.1	8.2	---	---	---	---	---	---	10.9	10.7	10.8
29	9.3	9.0	9.2	---	---	---	---	---	---	11.1	10.9	11.0
30	9.4	9.1	9.2	---	---	---	---	---	---	11.1	10.9	11.0
31	---	---	---	---	---	---	---	---	---	10.9	10.7	10.8
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.7	10.6	10.6	11.1	10.7	10.9	9.9	9.0	9.4	8.7	8.1	8.4
2	10.8	10.6	10.7	10.7	10.1	10.4	10.7	9.8	10.1	8.4	8.1	8.2
3	---	---	---	10.1	9.8	9.9	11.1	10.6	10.9	8.7	8.4	8.5
4	---	---	---	9.9	9.4	9.6	11.1	10.6	10.7	8.9	8.7	8.8
5	---	---	---	10.0	9.5	9.7	10.6	10.4	10.5	8.9	8.6	8.8
6	---	---	---	9.9	9.6	9.8	10.6	9.9	10.2	8.7	8.2	8.4
7	---	---	---	10.0	9.6	9.8	10.3	9.3	10.0	8.3	7.8	8.0
8	---	---	---	10.2	9.7	9.9	9.3	8.5	8.9	7.9	7.4	7.7
9	---	---	---	10.6	10.0	10.2	8.7	8.0	8.5	---	---	---
10	---	---	---	10.7	10.4	10.5	8.7	8.1	8.3	---	---	---
11	11.7	11.4	11.6	10.7	10.5	10.6	8.3	7.8	8.1	---	---	---
12	---	---	---	10.7	10.4	10.5	8.0	7.7	7.9	---	---	---
13	---	---	---	10.6	10.3	10.4	8.1	7.7	8.0	---	---	---
14	---	---	---	10.6	10.0	10.2	9.1	8.1	8.5	---	---	---
15	---	---	---	10.0	9.7	9.9	9.7	7.1	9.1	---	---	---
16	---	---	---	9.9	9.5	9.7	9.5	9.0	9.3	---	---	---
17	---	---	---	9.7	9.4	9.5	9.2	8.9	9.0	---	---	---
18	---	---	---	9.9	9.6	9.7	8.9	8.4	8.7	---	---	---
19	---	---	---	9.9	9.6	9.7	8.7	8.2	8.5	7.4	6.8	7.3
20	---	---	---	9.8	9.6	9.7	8.5	7.9	8.2	7.6	7.2	7.4
21	10.7	10.4	10.5	9.6	8.8	9.1	8.0	7.9	8.0	7.5	7.3	7.4
22	10.5	10.3	10.4	9.6	9.1	9.2	8.2	7.9	8.1	7.5	7.2	7.3
23	10.5	10.3	10.4	10.1	9.6	9.9	8.1	7.9	8.0	7.3	6.9	7.2
24	10.4	10.2	10.4	10.4	10.0	10.1	8.1	7.9	8.0	7.2	6.7	7.0
25	10.7	10.2	10.4	10.3	9.9	10.0	8.2	7.9	8.1	7.3	7.0	7.2
26	11.2	10.5	10.8	9.9	8.9	9.3	8.1	8.0	8.0	7.4	7.0	7.2
27	11.7	11.1	11.5	9.3	9.0	9.2	8.4	8.1	8.3	7.2	7.0	7.1
28	11.6	11.4	11.6	9.1	8.7	8.8	9.0	8.4	8.7	7.3	7.1	7.2
29	11.4	11.1	11.3	8.9	8.5	8.7	9.1	8.8	9.0	7.3	7.1	7.2
30	---	---	---	9.0	8.5	8.7	8.9	8.4	8.7	7.4	7.0	7.2
31	---	---	---	9.0	8.6	8.8	---	---	---	7.0	6.8	6.9
MONTH	---	---	---	11.1	8.5	9.8	11.1	7.1	8.9	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	6.8	7.0	7.2	6.7	7.0	7.1	6.7	6.9	7.7	6.8	7.3
2	7.4	7.1	7.3	7.3	7.1	7.2	6.7	6.6	6.7	7.9	7.2	7.7
3	7.6	7.2	7.4	7.3	7.1	7.2	6.9	6.7	6.8	8.0	7.5	7.7
4	7.3	7.1	7.2	7.3	7.1	7.2	7.0	6.6	6.8	8.1	7.9	8.1
5	7.6	7.2	7.4	7.4	7.2	7.3	6.9	6.5	6.7	8.2	8.0	8.1
6	7.5	7.1	7.4	7.3	7.2	7.2	7.9	6.5	7.0	8.1	7.7	7.9
7	7.4	7.0	7.2	7.3	6.8	7.1	7.6	6.7	7.1	8.2	7.6	7.9
8	7.4	6.6	7.2	7.0	6.8	6.9	7.6	7.2	7.4	---	---	---
9	7.1	6.4	6.8	7.1	6.8	6.9	7.5	7.2	7.4	6.6	6.3	6.5
10	7.1	6.5	6.8	7.2	6.9	7.1	7.3	7.2	7.3	6.8	6.6	6.7
11	7.2	6.7	6.9	7.4	7.2	7.3	---	---	---	7.2	6.8	7.0
12	7.0	6.3	6.8	7.3	7.2	7.3	7.7	7.5	7.6	7.2	6.7	7.0
13	6.7	6.4	6.6	7.2	7.1	7.2	7.5	7.0	7.3	6.9	6.8	6.8
14	6.5	6.0	6.3	7.3	7.1	7.2	7.5	7.2	7.4	7.3	6.9	7.1
15	6.6	6.5	6.5	7.3	7.1	7.2	7.2	7.2	7.2	7.2	6.7	6.9
16	6.7	6.6	6.7	7.3	7.1	7.3	7.5	7.0	7.2	7.3	6.7	7.0
17	6.7	6.4	6.5	7.4	7.2	7.3	7.7	7.4	7.5	7.4	6.5	7.1
18	6.4	6.2	6.3	7.4	7.3	7.4	---	---	---	6.5	6.2	6.4
19	---	---	---	7.6	7.4	7.5	7.6	7.1	7.4	6.3	6.2	6.2
20	---	---	---	7.5	7.3	7.4	7.6	7.1	7.3	6.5	6.2	6.3
21	---	---	---	7.5	7.1	7.4	7.3	7.1	7.1	6.6	6.1	6.3
22	---	---	---	7.3	7.1	7.2	7.7	7.1	7.5	6.1	6.0	6.0
23	---	---	---	7.2	6.8	7.0	7.6	7.2	7.4	6.2	5.8	6.0
24	---	---	---	7.2	6.8	7.0	7.4	7.2	7.3	6.1	5.8	6.0
25	7.4	7.1	7.2	7.2	6.9	7.0	---	---	---	6.0	5.2	5.4
26	7.2	7.1	7.1	7.2	6.9	7.0	7.7	7.3	7.5	---	---	---
27	7.2	7.0	7.0	7.3	6.9	7.1	7.8	7.4	7.6	---	---	---
28	7.0	6.8	6.9	7.4	7.0	7.2	7.7	7.2	7.5	---	---	---
29	7.1	7.0	7.0	7.5	7.3	7.4	7.5	7.0	7.2	---	---	---
30	7.1	6.7	7.0	7.5	7.2	7.3	7.6	7.0	7.3	6.4	5.9	6.1
31	---	---	---	7.3	7.1	7.2	7.7	7.2	7.5	---	---	---
MONTH	---	---	---	7.6	6.7	7.2	---	---	---	---	---	---

ALTAMAHA RIVER BASIN
2004 Water Year

02214280 SAVAGE CREEK AT US 23, NEAR BULLARD, GA

LOCATION.—Lat 32°35'34", long 83°28'11" referenced to North American Datum (NAD) of 1927, Twiggs County, Hydrologic Unit 03070104, at US 23, 3.0 miles southeast of Bullard.

DRAINAGE AREA.—33.0 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 264.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 11.49 feet, March 13, 1980
DISCHARGE: 2,700 cfs, March 13, 1980

MAXIMUM FOR CURRENT YEAR.—
STAGE: 9.69 feet, September 27
DISCHARGE: 901 cfs, September 27

ALTAMAHA RIVER BASIN
2004 Water Year

02214315 SAVAGE CREEK AT CR 87, NEAR WESTLAKE, GA

LOCATION. —Lat 32°33'14", long 83°29'54", referenced to North American Datum (NAD) of 1983, Twiggs County, Hydrologic Unit 03070104, located 100 yards upstream of bridge crossing at County Road 87, 3.1 miles upstream of Ocmulgee River.

DRAINAGE AREA.— 61.3 square miles.

REMARKS.—Datum of gage is 251 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
12...	02214315	20040412	1130	1028	80020	--	13	10	--	748	8.0	85
MAY												
17...	02214315	20040517	1630	1028	80020	3.73	2.0	40	16	768	5.3	59

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
12...	6.7	63	17.4	--	--	.06	E.05	E.005	--	E.004	.032	.38	--
MAY													
17...	7.0	135	21.4	57	70	E.03	.15	E.004	.05	<.006	.039	.53	.5

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
12...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
17...	.5	5.2	.6	.2	79	22	1006	15.00	3044	1

02214315 SAVAGE CREEK AT CR 87, NEAR WESTLAKE, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
10...	1530	80020	5.0	36.5	863	86	900	91.40	734	5.1	13.3	3.2	6.8

Remark codes used in this table:
< -- Less than
E -- Estimated value

ALTAMAHA RIVER BASIN
2004 Water Year

02214820 MOSSY CREEK AT US 41, NEAR PERRY, GA

LOCATION.—Lat 32°31'15", long 83°43'23", referenced to North American Datum (NAD) of 1927, Houston County, Hydrologic Unit 03070104, at US 41, 4.5 miles north of Perry.

DRAINAGE AREA.—92.9 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 300.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 19.86 feet, July 6, 1994
DISCHARGE: 24,000 cfs, July 6, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.33 feet, September 8
DISCHARGE: 380 cfs, September 8

ALTAMAHA RIVER BASIN
2004 Water Year

02215090 SOUTH PRONG CREEK NEAR HAWKINSVILLE, GA

LOCATION.—Lat 32°14'47", long 83°36'47", referenced to North American Datum (NAD) of 1927, Pulaski County, Hydrologic Unit 03070104, located at bridge crossing on State Highway 230, 1.5 miles upstream of Big Creek.

DRAINAGE AREA.—25.0 square miles.

REMARKS.—Datum of gage is 265.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —July 1993**;** April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
15...	02215090	20040415	0900	1028	80020	3.84	7.7	40	--	758	8.9	84
MAY												
18...	02215090	20040518	1530	1028	80020	3.73	5.2	10	8.0	770	6.6	76

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)
APR													
15...	7.5	155	12.5	--	--	E.02	.87	E.006	--	--	<.006	.026	1.02
MAY													
18...	7.2	169	23.2	68	83	E.03	.75	E.006	<.02	.021	.007	.026	.94

Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR											
15...	--	--	--	--	--	--	--	1006	15.00	3044	1
MAY											
18...	.1	.1	2.7	.6	.2	97	7	1006	15.00	3044	1

02215090 SOUTH PRONG CREEK NEAR HAWKINSVILLE, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
17...	1430	80020	11.9	125	1850	150	1970	159.8	7020	7.1	23.7	1.5	1.7

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

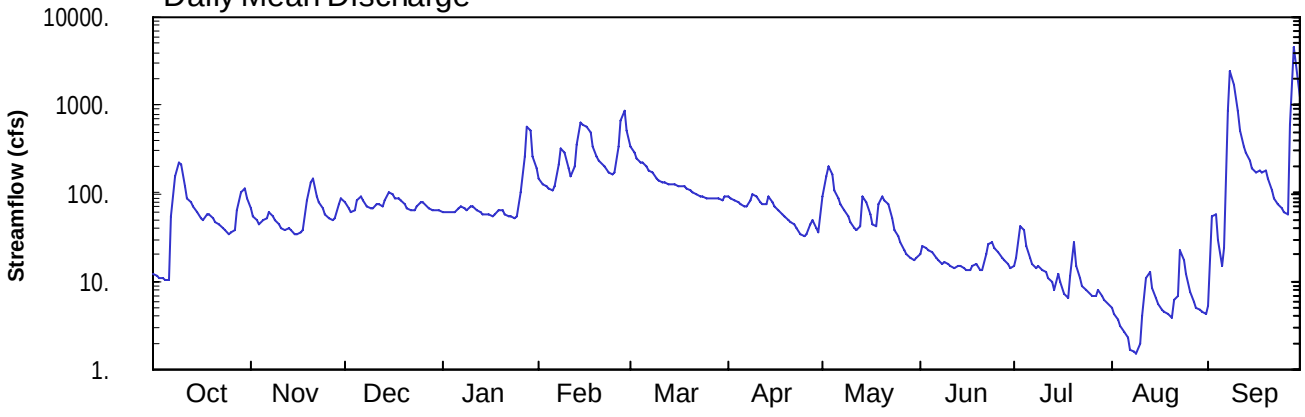
ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA

Latitude: 32°14'22" Longitude: 083°30'06" Hydrologic Unit Code: 03070104

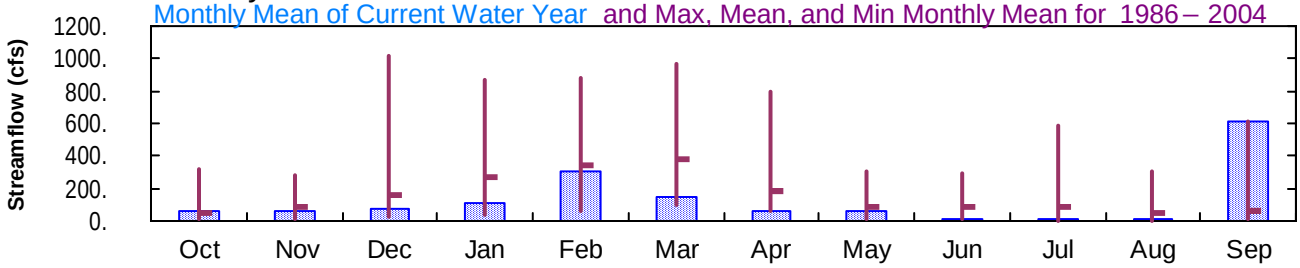
Pulaski County Datum: 210.49 feet Drainage Area: 163. mi²

Daily Mean Discharge

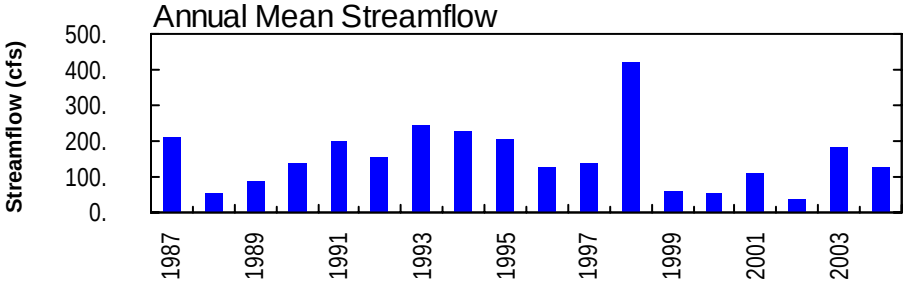


Monthly Statistics

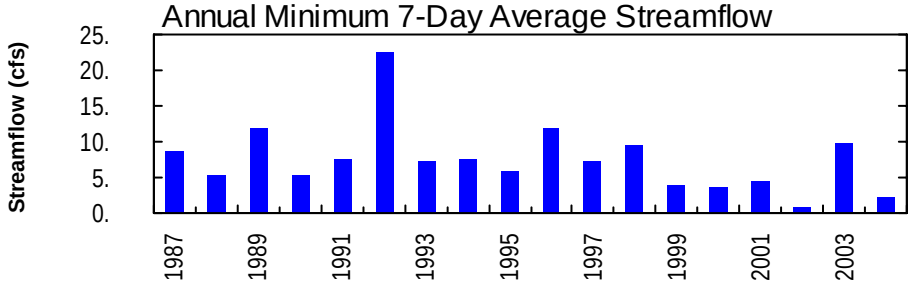
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1986 – 2004

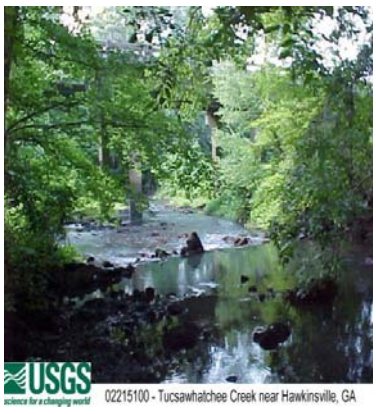


Annual Mean Streamflow

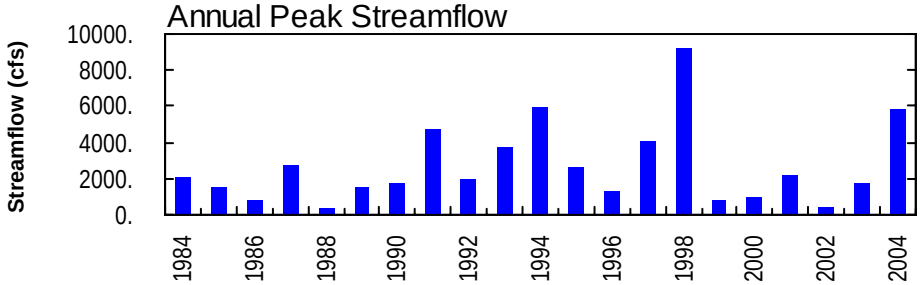


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA

LOCATION.—Lat 32°14'22", long 83°30'06" referenced to North American Datum (NAD) of 1983, Pulaski County, Hydrologic Unit 03070104, on left bank 90.0 feet upstream from GA 27 and 257, 0.6 miles upstream from Cedar Creek, 0.6 miles downstream from Long Branch, and 3.5 miles southwest of Hawkinsville.

DRAINAGE AREA.—163 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1984-86 (annual maximum), April 1986 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 210.49 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from Georgia Department of Transportation). From December 6, 1984 to April 1, 1986, a crest-stage gage was located at a site 100.00 feet downstream at datum 3.00 feet higher.

REMARKS.--Records good, except for periods of estimated discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/08	0800	2,530	11.59
09/28	1530	5,840*	15.07*

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1984-86 (annual maximum), April 1986 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 210.49 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from Georgia Department of Transportation). From December 6, 1984 to April 1, 1986, a crest-stage gage was located at a site 100.00 feet downstream at datum 3.00 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.07 feet, September 28; minimum gage-height recorded, 0.76 feet, August 8-10.

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 26, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 235
LATITUDE 321422 LONGITUDE 0833006 NAD83 DRAINAGE AREA 163 CONTRIBUTING DRAINAGE AREA 163* DATUM 210.49 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	67	78	62	151	345	94	90	21	15	e4.9	5.3
2	12	55	66	61	128	285	89	158	25	19	e4.3	54
3	11	50	60	60	120	251	84	202	24	43	e3.6	59
4	11	45	64	60	114	227	81	167	23	39	e3.1	29
5	10	49	82	62	107	219	75	108	22	25	e2.7	15
6	10	53	92	67	119	200	71	87	18	18	2.3	24
7	55	60	81	71	217	183	71	76	17	16	1.7	847
8	154	55	71	68	323	169	83	64	16	14	1.6	2420
9	225	49	66	65	295	150	99	54	16	15	1.5	1680
10	209	44	68	70	187	139	92	46	16	14	2.0	875
11	120	40	75	70	153	136	81	41	15	13	4.1	508
12	89	39	76	66	199	133	75	38	14	11	11	344
13	77	39	71	62	357	127	74	42	15	9.8	13	298
14	70	37	83	59	641	123	93	90	15	8.0	8.5	236
15	62	35	103	59	588	124	81	81	14	12	6.4	192
16	53	35	98	58	571	123	70	58	14	9.7	5.6	175
17	49	36	88	56	478	121	63	45	14	7.0	4.8	182
18	58	37	86	57	332	118	57	42	15	6.4	4.6	175
19	59	85	82	63	267	115	56	73	16	11	4.4	183
20	52	136	75	63	235	107	50	94	14	27	3.9	148
21	48	144	69	59	213	103	46	82	13	15	6.1	106
22	44	94	65	54	197	99	44	75	20	11	6.9	87
23	40	79	64	54	177	95	40	51	26	9.0	22	76
24	37	67	70	52	164	91	35	39	27	7.9	18	68
25	35	59	79	55	176	90	33	32	24	7.2	12	62
26	36	53	79	101	341	89	34	28	21	6.8	7.7	57
27	39	50	72	262	670	88	46	23	18	6.9	6.0	599
28	64	52	67	576	861	87	49	20	17	8.2	5.1	4640
29	105	75	66	507	528	86	39	18	16	6.8	4.9	2920
30	112	89	65	262	---	85	36	18	14	e6.2	4.4	1260
31	86	---	64	188	---	95	---	18	---	e5.5	4.2	---
TOTAL	2044	1808	2325	3429	8909	4403	1941	2060	540	423.4	191.3	18324.3
MEAN	65.9	60.3	75.0	111	307	142	64.7	66.5	18.0	13.7	6.17	611
MAX	225	144	103	576	861	345	99	202	27	43	22	4640
MIN	10	35	60	52	107	85	33	18	13	5.5	1.5	5.3
CFSM	0.40	0.37	0.46	0.68	1.88	0.87	0.40	0.41	0.11	0.08	0.04	3.75
IN.	0.47	0.41	0.53	0.78	2.03	1.00	0.44	0.47	0.12	0.10	0.04	4.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

MEAN	48.4	84.9	164	265	338	386	187	80.8	85.1	89.8	55.0	66.7
MAX	320	282	1014	871	882	972	791	311	288	592	312	611
(WY)	1995	1998	1998	1987	1998	1998	1998	1991	2003	1994	1991	2004
MIN	6.47	17.7	30.5	39.7	56.5	96.1	55.9	17.8	7.02	4.17	1.81	6.91
(WY)	2001	2001	1988	1989	1989	1999	1986	2000	2000	1986	2002	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL TOTAL	60715		46398.0			
ANNUAL MEAN	166		127		155	
HIGHEST ANNUAL MEAN					421	1998
LOWEST ANNUAL MEAN					40.1	2002
HIGHEST DAILY MEAN	1630	Mar 21	4640	Sep 28	8230	Mar 9 1998
LOWEST DAILY MEAN	10	Oct 5	1.5	Aug 9	0.75	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	12	Sep 30	2.1	Aug 4	0.93	Aug 10 2002
MAXIMUM PEAK FLOW			5840	Sep 28	9240	Mar 9 1998
MAXIMUM PEAK STAGE			15.07	Sep 28	17.56	Mar 9 1998
INSTANTANEOUS LOW FLOW			1.5	Aug 8	0.58	Aug 14 2002
ANNUAL RUNOFF (CFSM)	1.02		0.778		0.953	
ANNUAL RUNOFF (INCHES)	13.86		10.59		12.95	
10 PERCENT EXCEEDS	381		218		364	
50 PERCENT EXCEEDS	102		62		59	
90 PERCENT EXCEEDS	39		8.1		11	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 235
LATITUDE 321422 LONGITUDE 0833006 NAD83 DRAINAGE AREA 163 CONTRIBUTING DRAINAGE AREA 163* DATUM 210.49 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.49	2.06	2.19	2.03	2.89	4.94	2.18	2.16	1.40	1.29	---	1.13
2	1.48	1.95	2.08	2.02	2.67	4.36	2.11	2.94	1.46	1.37	---	1.89
3	1.48	1.91	2.01	2.02	2.59	3.96	2.05	3.42	1.45	1.67	---	1.96
4	1.46	1.86	2.05	2.02	2.54	3.70	2.02	3.03	1.43	1.63	---	1.65
5	1.45	1.90	2.23	2.03	2.47	3.61	1.96	2.34	1.42	1.46	---	1.44
6	1.45	1.93	2.32	2.09	2.59	3.40	1.93	2.09	1.36	1.36	---	1.53
7	1.91	2.00	2.22	2.13	3.60	3.22	1.92	1.97	1.34	1.31	0.80	7.21
8	2.90	1.95	2.12	2.09	4.73	3.07	2.05	1.86	1.32	1.28	0.78	11.44
9	3.68	1.90	2.08	2.06	4.43	2.86	2.23	1.77	1.33	1.30	0.77	10.13
10	3.50	1.85	2.09	2.12	3.26	2.72	2.15	1.70	1.32	1.27	0.84	8.22
11	2.52	1.81	2.16	2.12	2.91	2.68	2.02	1.65	1.30	1.25	1.06	6.30
12	2.18	1.80	2.16	2.07	3.40	2.64	1.96	1.62	1.29	1.21	1.32	4.93
13	2.05	1.80	2.13	2.03	5.02	2.58	1.95	1.66	1.31	1.17	1.39	4.49
14	1.97	1.78	2.24	2.01	7.24	2.53	2.16	2.14	1.30	1.12	1.27	3.80
15	1.90	1.76	2.42	2.00	6.92	2.53	2.02	2.03	1.28	1.23	1.20	3.31
16	1.82	1.76	2.38	2.00	6.81	2.52	1.91	1.80	1.28	1.17	1.16	3.13
17	1.78	1.77	2.28	1.98	6.06	2.49	1.85	1.69	1.28	1.08	1.12	3.20
18	1.87	1.78	2.27	1.99	4.82	2.46	1.80	1.66	1.30	1.06	1.10	3.14
19	1.88	2.24	2.23	2.04	4.16	2.42	1.79	1.97	1.32	1.20	1.09	3.22
20	1.81	2.74	2.16	2.04	3.78	2.32	1.73	2.18	1.27	1.49	1.06	2.85
21	1.77	2.82	2.11	2.01	3.54	2.28	1.70	2.03	1.26	1.30	1.17	2.43
22	1.74	2.33	2.06	1.96	3.36	2.23	1.68	1.96	1.39	1.21	1.21	2.23
23	1.70	2.19	2.05	1.96	3.15	2.18	1.64	1.74	1.47	1.15	1.54	2.13
24	1.67	2.07	2.11	1.94	3.02	2.14	1.58	1.62	1.49	1.12	1.49	2.04
25	1.65	2.00	2.20	1.97	3.14	2.12	1.57	1.55	1.48	1.09	1.37	1.98
26	1.66	1.95	2.20	2.41	4.87	2.12	1.57	1.50	1.41	1.07	1.25	1.93
27	1.78	1.92	2.13	4.08	7.29	2.11	1.69	1.43	1.36	1.08	1.18	5.53
28	2.04	1.94	2.09	6.78	8.24	2.10	1.72	1.39	1.35	1.12	1.14	13.88
29	2.44	2.16	2.07	6.27	6.43	2.08	1.63	1.36	1.32	1.09	1.12	12.02
30	2.50	2.30	2.06	4.08	---	2.06	1.60	1.35	1.28	---	1.10	9.29
31	2.25	---	2.05	3.27	---	2.19	---	1.36	---	---	1.08	---
MEAN	1.99	2.01	2.16	2.50	4.34	2.73	1.87	1.90	1.35	---	---	4.61
MAX	3.68	2.82	2.42	6.78	8.24	4.94	2.23	3.42	1.49	---	---	13.88
MIN	1.45	1.76	2.01	1.94	2.47	2.06	1.57	1.35	1.26	---	---	1.13

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 235
LATITUDE 321422 LONGITUDE 0833006 NAD83 DRAINAGE AREA 163 CONTRIBUTING DRAINAGE AREA 163* DATUM 210.49 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.56	0.01	0.00	3.73
2	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.84	0.02	0.43	0.18	0.10
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
4	0.00	0.48	0.64	0.00	0.00	0.00	0.00	---	0.01	0.00	0.00	0.00
5	0.00	0.01	0.01	0.17	0.03	0.00	0.00	---	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.16	0.01	0.00	---	0.00	0.00	0.00	5.20
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	1.31
8	0.00	0.00	0.00	0.09	0.00	0.00	0.60	0.00	0.29	0.10	0.00	0.04
9	0.00	0.00	0.00	0.13	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.42	0.00	0.01	---	0.00	0.00	0.00	0.31	1.41	0.41
11	0.00	0.00	0.00	0.00	0.15	---	0.00	0.00	0.00	0.00	0.80	0.00
12	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.16	0.00	0.02	0.03	0.00
13	0.00	0.00	0.14	0.00	0.00	0.00	0.32	0.01	0.04	0.00	0.02	0.28
14	0.00	0.00	0.58	0.00	0.95	0.00	0.00	0.00	0.00	0.00	0.09	0.00
15	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.01
16	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.19	0.00	0.00	0.00	0.55
17	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.02	0.14
18	0.00	0.38	0.00	0.10	0.00	0.00	0.00	0.06	0.00	0.22	0.00	0.00
19	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.09	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
23	0.00	0.00	0.13	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	---	0.05	0.04	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.00	0.32	1.61	0.00	0.00	0.00	---	0.00	0.00	0.00
26	---	0.00	0.00	1.66	0.04	0.00	0.77	0.00	0.06	0.09	0.00	0.02
27	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.00	5.86
28	1.25	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
29	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00
30	0.00	0.00	0.00	0.00	---	0.25	0.59	0.00	0.00	0.11	0.06	0.00
31	0.00	---	0.00	0.00	---	0.10	---	0.35	---	0.00	0.05	---
TOTAL	---	1.82	2.13	2.47	5.25	---	2.28	---	---	1.42	3.25	17.65

ALTAMAHA RIVER BASIN
2004 Water Year

02215120 CEDAR CREEK AT CR 198, NEAR HAWKINSVILLE, GA

LOCATION.—Lat 32°12'23", long 83°35'03", referenced to North American Datum (NAD) of 1927, Pulaski County, Hydrologic Unit 03070104, located at bridge crossing on County Road 198 (Mocksprings Road), 6.5 miles upstream of Big Creek.

DRAINAGE AREA.—40.4 square miles.

REMARKS.—Datum of gage is 275.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
14...	02215120	20040414	1630	1028	80020	5.62	5.0	40	--	753	8.3	84
MAY												
18...	02215120	20040518	1400	1028	80020	5.31	1.9	40	7.8	770	4.8	56

Date	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Partic-ulate nitro-gen, susp, water, mg/L (49570)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)
APR													
14...	7.0	118	15.3	--	--	.05	.44	E.004	--	--	<.006	.022	.81
MAY													
18...	6.7	127	23.3	42	51	.04	.31	E.006	<.02	.028	.009	.030	.63

Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheo-phytin a, phyto-plank-ton, ug/L (62360)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR											
14...	--	--	--	--	--	--	--	1006	15.00	3044	1
MAY											
18...	<.1	<.1	4.8	.4	.3	98	5	1006	15.00	3070	1

02215120 CEDAR CREEK AT CR 198, NEAR HAWKINSVILLE, GA— continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
12...	1430	80020	5.6	61.9	947	96	1010	101.1	1830	4.9	10.6	.6	3.0

Remark codes used in this table:
< -- Less than
E -- Estimated value

ALTAMAHA RIVER BASIN
2004 Water Year

02215245 FOLSOM CREEK TRIBUTARY NEAR ROCHELLE, GA

LOCATION.—Lat 32°00'20", long 83°26'07" referenced to North American Datum (NAD) of 1983, Wilcox County, Hydrologic Unit 03070104, at culvert on GA 233, 4.0 miles north of Rochelle.

DRAINAGE AREA.—1.44 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1964 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 260.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.16 feet, August 11, 1970
DISCHARGE: 434 cfs, August 11, 1970

MAXIMUM FOR CURRENT YEAR.—
STAGE: 3.69 feet, September 28
DISCHARGE: 161 cfs, September 28

02215295 BLUFF CREEK AT LAIDLER ROAD, NEAR FINLEYSON, GA

LOCATION.—Lat 32°08'31", long 83°27'43", referenced to North American Datum (NAD) of 1983, Pulaski County, Hydrologic Unit 03070104, located at bridge crossing on County Road 60 (Laidler Road), 3.6 miles upstream of the Ocmulgee River.

DRAINAGE AREA.—69.4 square miles.

REMARKS.—Datum of gage is 210.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
14...	02215295	20040414	1430	1028	80020	2.57	19	10	--	756	6.0	63
MAY												
18...	02215295	20040518	1115	1028	80020	2.27	12	10	1.4	770	7.2	80

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
14...	7.8	207	17.0	--	--	<.04	1.61	E.004	--	<.006	.015	1.70	--
MAY													
18...	7.5	236	20.9	92	112	<.04	2.00	E.004	<.02	E.004	.014	2.05	.1

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
14...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
18...	.1	.8	.4	.3	89	4	1006	15.00	3044	1

02215295 BLUFF CREEK AT LAIDLER ROAD, NEAR FINLEYSON, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
12...	1700	80020	5.6	172	1250	75	1420	80.40	3330	12.5	22.5	1.1	1.7

Remark codes used in this table:
< -- Less than
E -- Estimated value

02215375 HORSE CREEK AT GA 149, NEAR LUMBER CITY, GA

LOCATION. —Lat 31°54'04", long 82°51'56", referenced to North American Datum (NAD) of 1983, Telfair County, Hydrologic Unit 03070104, located at bridge crossing on State Highway 149, 6.5 miles upstream of the Ocmulgee River.

DRAINAGE AREA.— 116 square miles.

REMARKS.—Datum of gage is 150 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
14...	02215375	20040414	1145	1028	80020	2.85	7.7	40	--	756	6.5	65
MAY												
19...	02215375	20040519	1030	1028	80020	2.00	.20	70	3.3	771	2.5	28

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)
APR													
14...	6.3	61	14.8	--	--	.15	.06	E.006	--	--	<.006	.040	.98
MAY													
19...	6.3	65	21.6	16	20	.09	.06	E.005	<.02	.018	.006	.041	.76

Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR											
14...	--	--	--	--	--	--	--	1006	15.00	3044	1
MAY											
19...	.3	.3	12.2	1.4	1.7	91	11	1006	15.00	3070	1

02215375 HORSE CREEK AT GA 149, NEAR LUMBER CITY, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
11...	1200	80020	8.5	57.5	766	70	823	78.90	1480	57.1	53.7	4.1	5.7

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

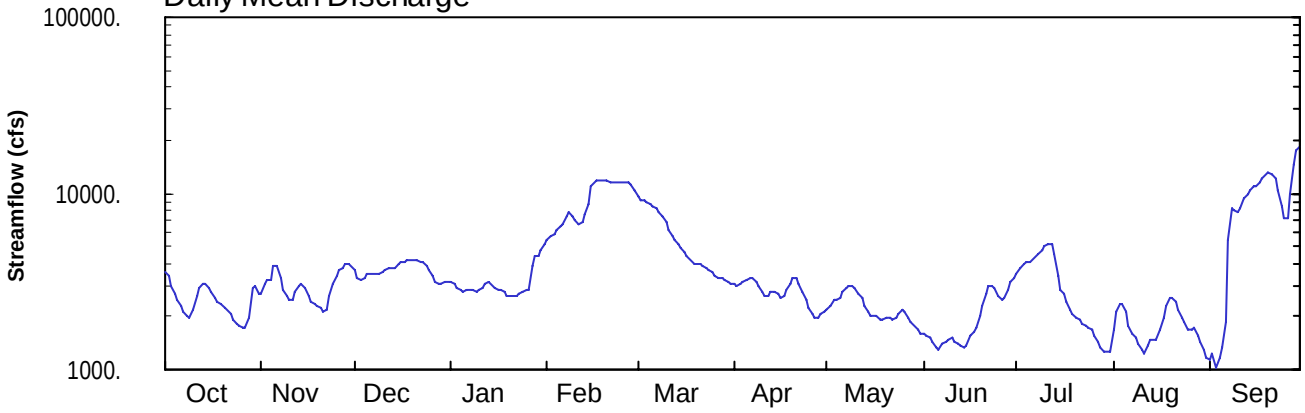
ALTAMAHA RIVER BASIN

02215500 OCMULGEE RIVER AT LUMBER CITY, GA

Latitude: 31°55'12" Longitude: 082°40'27" Hydrologic Unit Code: 03070104

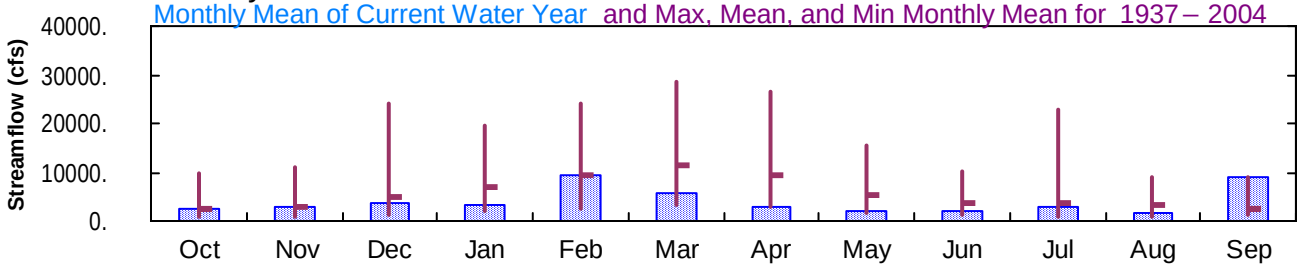
Jeff davis County Datum: 87.48 feet Drainage Area: 5180. mi²

Daily Mean Discharge

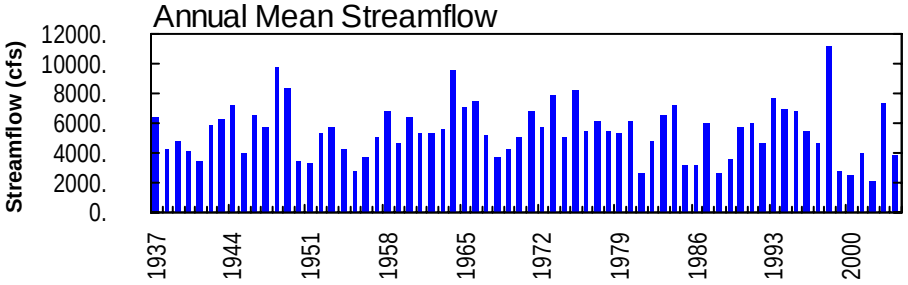


Monthly Statistics

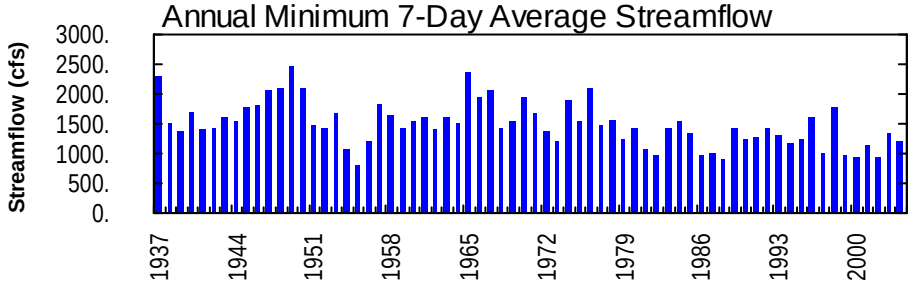
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



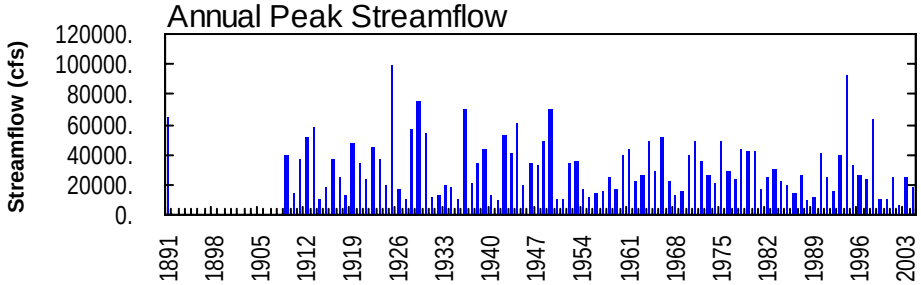
Annual Mean Streamflow

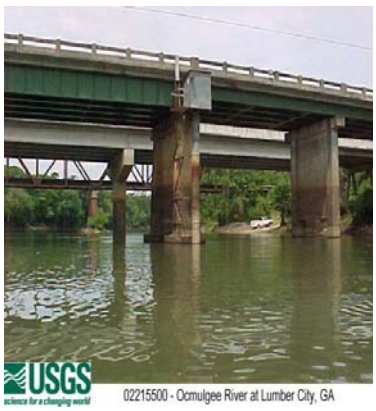


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





ALTAMAHA RIVER BASIN
2004 Water Year

02215500 OCMULGEE RIVER AT LUMBER CITY, GA

LOCATION.—Lat 31°55'12", long 82°40'27" (revised), referenced to North American Datum (NAD) of 1927, Jeff Davis County, Hydrologic Unit 03070104, near left bank on downstream end of pier of bridge on US 341 at Lumber City, 500.0 feet downstream from Southern Railway bridge, 1.0 mile upstream from Little Ocmulgee River, and 12.0 miles upstream from confluence with Oconee River.

DRAINAGE AREA.—5,180 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1936 to current year. Gage-height records collected at same site since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1504: 1937.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 87.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 8, 1937, a non-recording gage was located at same site and datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum discharge known since at least 1841, 98,400 cfs, January 21, 1925, from rating extended above 86,000 cfs on basis of records of peak flow for stations on Ocmulgee, Oconee, and Altamaha Rivers; maximum stage known, 26.3 feet, January 21, 1925, which had backwater conditions from Oconee River.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 15,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/30	0345	18,500*	13.32*

No other peaks above base discharge

02215500 OCMULGEE RIVER AT LUMBER CITY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1936 to current year. Gage-height records collected at same site since 1908 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 87.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 8, 1937, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.32 feet, September 30; minimum gage-height recorded, 0.36 feet, September 3, 4.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215500 OCMULGEE RIVER AT LUMBER CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 161
LATITUDE 315512 LONGITUDE 0824027 NAD27 DRAINAGE AREA 5180 CONTRIBUTING DRAINAGE AREA 5180* DATUM 87.48 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3570	2680	3630	3130	5400	9630	3050	2170	1590	3520	1680	e1140
2	3390	3040	3280	3030	5650	9180	3020	2310	1570	3730	2150	e1220
3	3010	3270	3200	2900	5890	9020	3030	2480	1520	4020	2350	e1090
4	2690	3230	3350	2820	6140	8900	3100	2510	1420	4020	2370	1150
5	2480	3830	3480	2790	6430	8670	3230	2580	1340	4090	2110	1340
6	2290	3870	3520	2800	6770	8410	3320	2760	1310	4200	1790	1890
7	2110	3270	3470	2820	7440	8170	3280	2920	1420	4380	1620	5450
8	2000	2860	3470	2800	7780	7890	3150	3000	1440	4580	1530	8240
9	1990	2620	3530	2730	7500	7430	2960	3000	1470	4780	1410	7930
10	2200	2490	3610	2800	7020	6820	2730	2880	1510	4990	1280	7740
11	2610	2500	3690	2910	6720	6210	2600	2710	1450	5140	1240	8190
12	2940	2730	3750	3040	6850	5750	2590	2530	1400	5140	1350	9410
13	3080	2950	3740	3110	7560	5460	2750	2310	1370	4560	1480	9820
14	3040	3030	3800	3040	8560	5210	2770	2110	1320	3380	1470	10400
15	2870	2880	4000	2910	10800	4920	2660	2010	1360	2840	1470	10900
16	2740	2610	4080	2850	11600	4610	2570	2010	1570	2650	1690	11000
17	2580	2440	4100	2800	11900	4360	2600	2000	1630	2400	1990	11500
18	2430	2340	4150	2730	11800	4150	2810	1930	1750	2180	2300	12100
19	2340	2300	4200	2640	11700	3950	3080	1920	2000	2100	2560	12700
20	2260	2250	4190	2590	11700	3930	3280	1970	2310	1980	2530	13000
21	2180	2130	4150	2600	11700	3980	3310	1970	2650	1900	2410	12900
22	2060	2210	4110	2650	11600	3890	3080	1940	3010	1830	2200	12200
23	1930	2600	4040	2720	11700	3760	2730	1950	2990	1760	1970	10500
24	1820	3080	3890	2790	11700	3710	2460	2070	2910	1740	1860	8360
25	1750	3420	3670	2820	11600	3610	2210	2180	2620	1680	1680	7200
26	1710	3640	3390	2850	11500	3410	2060	2140	2450	1560	1670	7260
27	1730	3800	3140	3860	11400	3300	1990	1980	2530	1430	1710	9860
28	1970	3920	3040	4400	11100	3290	1970	1850	2850	1340	1560	14700
29	2930	3970	3080	4450	10400	3260	2090	1770	3100	1280	1430	17300
30	3000	3890	3150	4730	---	3120	2130	1680	3300	1260	1310	18300
31	2660	---	3180	5090	---	3060	---	1580	---	1270	e1160	---
TOTAL	76360	89850	113080	96200	267910	171060	82610	69220	59160	91730	55330	264790
MEAN	2463	2995	3648	3103	9238	5518	2754	2233	1972	2959	1785	8826
MAX	3570	3970	4200	5090	11900	9630	3320	3000	3300	5140	2560	18300
MIN	1710	2130	3040	2590	5400	3060	1970	1580	1310	1260	1160	1090
CFSM	0.48	0.58	0.70	0.60	1.78	1.07	0.53	0.43	0.38	0.57	0.34	1.70
IN.	0.55	0.65	0.81	0.69	1.92	1.23	0.59	0.50	0.42	0.66	0.40	1.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	2621	2777	4719	7108	9294	11320	9387	5390	3734	3639	3193	2558
MAX	9848	11140	24070	19600	24250	28650	26590	15710	10050	22950	9067	8826
(WY)	1995	1948	1949	1998	1998	1998	1944	1964	2003	1994	1994	2004
MIN	887	910	1423	1849	2341	3219	2754	1515	1210	979	976	1078
(WY)	1955	1955	1955	1981	1989	1955	2004	1986	2000	1988	1988	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	2603010		1437230			
ANNUAL MEAN	7132		3927		5459	
HIGHEST ANNUAL MEAN					11250	1998
LOWEST ANNUAL MEAN					2142	2002
HIGHEST DAILY MEAN	25200	Mar 21	18300	Sep 30	90700	Jul 15 1994
LOWEST DAILY MEAN	1710	Oct 26	e 1090	Sep 3	808	Oct 30 1954
ANNUAL SEVEN-DAY MINIMUM	1850	Oct 22	1190	Aug 30	813	Oct 28 1954
MAXIMUM PEAK FLOW			18500	Sep 30	92900	Jul 15 1994
MAXIMUM PEAK STAGE			13.32	Sep 30	24.59	Jul 15 1994
INSTANTANEOUS LOW FLOW			1090	Sep 3	800	Oct 30 1954
ANNUAL RUNOFF (CFSM)	1.38		0.758		1.05	
ANNUAL RUNOFF (INCHES)	18.69		10.32		14.32	
10 PERCENT EXCEEDS	13300		8590		11600	
50 PERCENT EXCEEDS	6170		2910		3550	
90 PERCENT EXCEEDS	2510		1570		1630	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215500 OCMULGEE RIVER AT LUMBER CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 161
LATITUDE 315512 LONGITUDE 0824027 NAD27 DRAINAGE AREA 5180 CONTRIBUTING DRAINAGE AREA 5180* DATUM 87.48 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.17	2.97	4.24	3.59	6.29	9.41	3.28	2.05	1.18	3.90	1.30	---
2	3.93	3.46	3.78	3.46	6.55	9.17	3.24	2.26	1.14	4.15	2.02	---
3	3.43	3.77	3.68	3.28	6.80	9.08	3.26	2.50	1.06	4.48	2.31	---
4	2.99	3.72	3.88	3.17	7.04	9.00	3.35	2.53	0.90	4.49	2.34	0.46
5	2.69	4.50	4.05	3.13	7.31	8.87	3.53	2.64	0.77	4.57	1.96	0.76
6	2.42	4.55	4.10	3.15	7.62	8.69	3.64	2.89	0.73	4.69	1.48	1.62
7	2.16	3.77	4.04	3.17	8.23	8.52	3.58	3.11	0.89	4.89	1.21	5.97
8	2.00	3.22	4.04	3.15	8.48	8.32	3.41	3.21	0.94	5.11	1.08	8.57
9	1.98	2.89	4.11	3.05	8.23	7.96	3.16	3.22	0.99	5.34	0.88	8.35
10	2.29	2.71	4.21	3.14	7.77	7.42	2.85	3.05	1.05	5.56	0.67	8.21
11	2.87	2.72	4.32	3.29	7.46	6.83	2.67	2.82	0.95	5.73	0.60	8.54
12	3.34	3.05	4.39	3.47	7.56	6.37	2.65	2.57	0.86	5.72	0.79	9.29
13	3.52	3.35	4.38	3.57	8.17	6.06	2.87	2.25	0.82	5.09	1.00	9.50
14	3.47	3.46	4.46	3.47	8.85	5.80	2.90	1.97	0.73	3.71	0.98	9.78
15	3.24	3.25	4.71	3.30	10.06	5.49	2.75	1.82	0.79	3.00	0.98	10.03
16	3.05	2.89	4.81	3.21	10.44	5.15	2.63	1.81	1.14	2.74	1.33	10.08
17	2.84	2.64	4.83	3.15	10.55	4.87	2.66	1.81	1.24	2.39	1.78	10.32
18	2.63	2.50	4.89	3.05	10.51	4.63	2.95	1.70	1.42	2.06	2.25	10.68
19	2.49	2.44	4.96	2.92	10.48	4.40	3.32	1.68	1.80	1.95	2.61	10.99
20	2.39	2.37	4.95	2.85	10.45	4.39	3.58	1.76	2.26	1.78	2.56	11.14
21	2.26	2.19	4.91	2.86	10.44	4.44	3.63	1.75	2.74	1.65	2.40	11.08
22	2.10	2.30	4.86	2.93	10.43	4.34	3.33	1.70	3.23	1.55	2.10	10.70
23	1.89	2.87	4.76	3.03	10.44	4.18	2.85	1.72	3.20	1.44	1.76	9.85
24	1.73	3.52	4.57	3.13	10.45	4.13	2.47	1.91	3.10	1.40	1.59	8.64
25	1.63	3.97	4.30	3.18	10.39	4.01	2.12	2.07	2.70	1.31	1.31	7.76
26	1.56	4.26	3.93	3.21	10.36	3.76	1.89	2.00	2.46	1.13	1.30	7.82
27	1.58	4.46	3.60	4.53	10.31	3.62	1.78	1.77	2.57	0.92	1.36	9.45
28	1.95	4.61	3.48	5.18	10.12	3.60	1.76	1.58	3.01	0.77	1.13	11.88
29	3.32	4.67	3.53	5.23	9.79	3.56	1.93	1.45	3.35	0.67	0.91	12.89
30	3.41	4.57	3.62	5.54	---	3.37	1.99	1.31	3.62	0.63	0.72	13.26
31	2.95	---	3.66	5.95	---	3.29	---	1.16	---	0.66	---	---
MEAN	2.65	3.39	4.26	3.53	9.02	5.89	2.87	2.13	1.72	3.02	---	---
MAX	4.17	4.67	4.96	5.95	10.55	9.41	3.64	3.22	3.62	5.73	---	---
MIN	1.56	2.19	3.48	2.85	6.29	3.29	1.76	1.16	0.73	0.63	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215500 OCMULGEE RIVER AT LUMBER CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 161
LATITUDE 315512 LONGITUDE 0824027 NAD27 DRAINAGE AREA 5180 CONTRIBUTING DRAINAGE AREA 5180* DATUM 87.48 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.03	1.47	0.08	0.00	---
2	0.00	0.00	0.00	0.00	0.08	0.00	0.00	1.10	0.00	1.88	0.33	---
3	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.04	0.00	---
4	0.00	2.50	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00
5	0.00	0.25	0.00	0.19	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
6	0.04	0.00	0.00	0.00	1.24	0.01	0.00	0.00	0.00	0.00	0.00	5.51
7	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.34	0.00	3.16
8	0.00	0.00	0.01	0.07	0.00	0.00	0.25	0.00	0.14	0.00	0.00	0.01
9	0.00	0.00	0.00	0.21	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.34	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.59	0.70
11	0.02	0.00	0.00	0.00	0.23	0.00	0.00	0.07	0.00	0.04	0.41	0.00
12	0.00	0.00	0.00	0.00	0.94	0.00	0.02	0.60	0.00	0.09	0.33	0.07
13	0.09	0.00	0.00	0.00	0.01	0.00	0.25	0.00	0.09	0.36	0.99	0.89
14	0.04	0.00	0.91	0.00	2.03	0.00	0.00	0.00	0.72	0.00	0.02	0.03
15	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.02	0.00	0.12	0.01
16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.94
17	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.03	0.00	0.00	1.68	0.01
18	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.12	0.24	0.00	0.00
19	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.00	0.48	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.06	0.00
23	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.37	0.00	0.03	0.00
24	---	0.24	0.06	0.00	0.04	0.00	0.00	0.00	0.06	0.00	0.04	0.00
25	---	0.00	0.00	0.09	0.31	0.00	0.00	0.00	0.31	0.00	0.01	0.00
26	---	0.00	0.00	2.18	0.01	0.00	0.68	0.00	0.21	0.00	0.00	0.12
27	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	3.27
28	3.34	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
29	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
30	0.00	0.00	0.04	0.00	---	0.10	0.10	0.00	1.67	0.17	0.02	0.00
31	0.00	---	0.01	0.00	---	0.01	---	0.04	---	0.00	---	---
TOTAL	---	3.85	1.52	2.83	5.04	0.20	1.35	1.94	9.46	3.27	---	---

ALTAMAHA RIVER BASIN
2004 Water Year

02215656 GUM SWAMP CREEK AT GA 126, NEAR COCHRAN, GA

LOCATION.—Lat 32°24'22", long 83°15'29", referenced to North American Datum (NAD) of 1927, Bleckley County, Hydrologic Unit 03070105, located at bridge crossing on State Highway 126, 3.8 miles upstream of State Highway 257.

DRAINAGE AREA.—54.0 square miles.

REMARKS.—Datum of gage is 290.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—January 1999 to February 2000**;** April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
12...	02215656	20040412	1400	1028	80020	2.77	9.6	40	--	746	6.8	75
MAY												
17...	02215656	20040517	1730	1028	80020	1.91	E.10	70	3.2	766	4.1	48

Date	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Partic-ulate nitro-gen, susp, water, mg/L (49570)	Ortho-phos-phate, water, fltrd, mg/L (00660)
APR													
12...	6.7	47	19.0	--	--	.09	.540	.12	.14	.049	.015	--	.021
MAY													
17...	6.7	121	23.4	45	55	.13	.748	.17	.18	.033	.010	.04	.028

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheo-phytin a, phyto-plank-ton, ug/L (62360)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)
APR													
12...	.007	.057	.70	--	--	--	--	--	--	--	1006	15.00	3044
MAY													
17...	.009	.034	.84	.2	.2	8.6	.6	1.0	96	8	1006	15.00	3070

Date	Type of sample related QA data, code (99111)
APR	
12...	1
MAY	
17...	1

02215656 GUM SWAMP CREEK AT GA 126, NEAR COCHRAN, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
10...	1300	80020	9.0	26.0	509	94	535	103.0	7500	4.8	9.7	1.5	1.2

Remark codes used in this table:
E -- Estimated value

ALTAMAHA RIVER BASIN
2004 Water Year

02215800 GUM SWAMP CREEK AT GA 165, NEAR CHAUNCEY, GA

LOCATION.—Lat 32°07'28", long 83°03'37", referenced to North American Datum (NAD) of 1927, Dodge County, Hydrologic Unit 03070105, at bridge on GA 165, 0.6 miles north of Chauncey.

DRAINAGE AREA.—221 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 180.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.91 feet, March 6, 1991
DISCHARGE: 4,940 cfs, March 6, 1991

MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.15 feet, September 28
DISCHARGE: 2,700 cfs, September 28

ALTAMAHA RIVER BASIN
2004 Water Year

02215900 LITTLE OCMULGEE RIVER AT GA 149, AT SCOTLAND, GA

LOCATION.—Lat 32°03'08", long 82°48'57", Telfair County, Hydrologic Unit 03070105, approximately 18.0 miles upstream of confluence of Little Ocmulgee River and Ocmulgee River, on GA 149.

DRAINAGE AREA.—316 square miles.

COOPERATION.—City of Helena.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—February 1984 to current year.

GAGE.—Standard USGS reference point. Datum of gage is 140.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 8 is effective from March 31, 2003 to current year.

REMARKS.—Records fair. Measurements for current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/24/03	2.01	21.8
05/04/04	2.16	26.8
07/27/04	1.22	1.45
09/07/04	7.48	592
09/08/04	9.34	1070
09/28/04	10.51	1780

02216170 SUGAR CREEK AT CR 194, NEAR TOWNS, GA

LOCATION.—Lat 31°58'53", long 82°46'51", referenced to North American Datum (NAD) of 1927, Telfair County, Hydrologic Unit 03070105, located at bridge crossing on County Road 194, 5.8 miles upstream of the Little Ocmulgee River.

DRAINAGE AREA.—91.2 square miles.

REMARKS.—Datum of gage is 130.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
MAY												
19...	02216170	20040519	0800	1028	80020	3.70	.10	70	3.8	770	3.8	42
APR												
14...	02216170	20040414	0900	1028	80020	4.45	4.1	40	--	756	6.4	63

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)
MAY													
19...	6.1	42	20.4	16	20	.10	E.06	.030	.009	.08	<.006	.041	.79
APR													
14...	6.5	64	14.4	--	--	.05	E.04	--	E.005	--	<.006	.036	.65

Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
MAY											
19...	.6	.6	11.3	1.3	1.6	97	13	1006	15.00	3070	1
APR											
14...	--	--	--	--	--	--	--	1006	15.00	3044	1

02216170 SUGAR CREEK AT CR 194, NEAR TOWNS, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
11...	1500	80020	7.3	45.1	811	130	856	132.9	1110	10.1	15.2	4.7	6.6

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

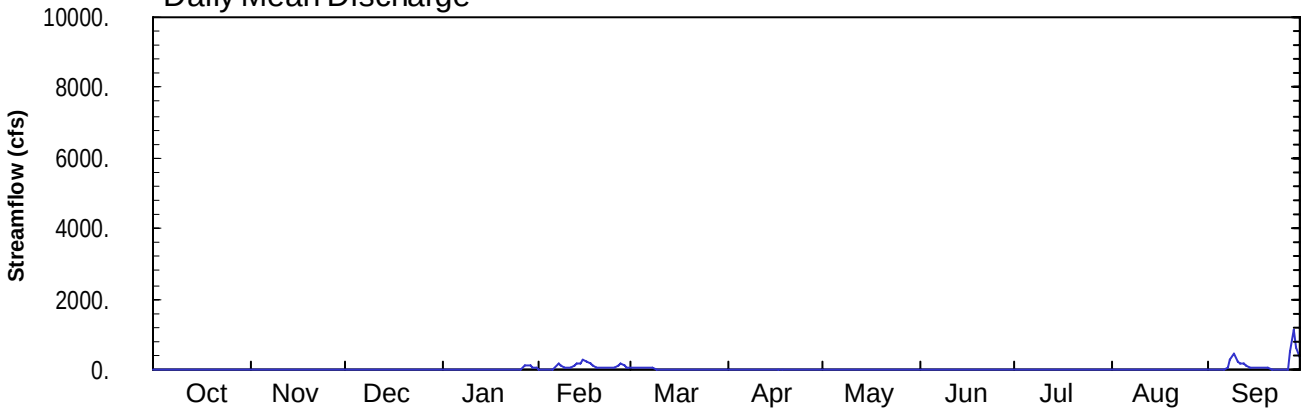
ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA

Latitude: 31°59'29" Longitude: 082°55'19" Hydrologic Unit Code: 03070105

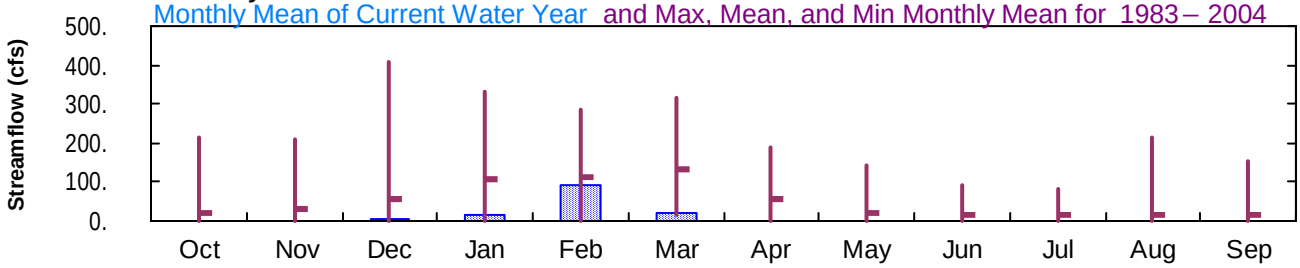
Telfair County Datum: 173.17 feet Drainage Area: 49.2 mi²

Daily Mean Discharge

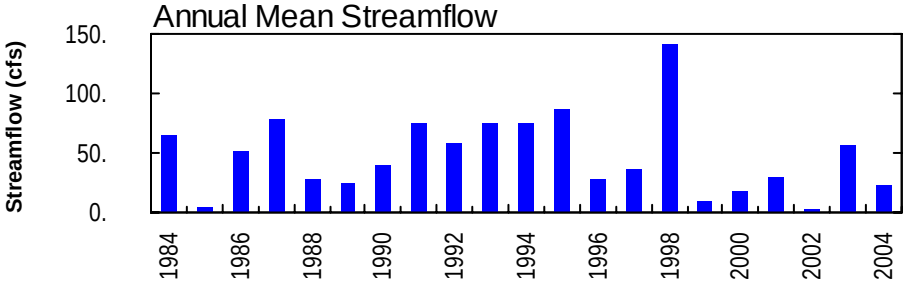


Monthly Statistics

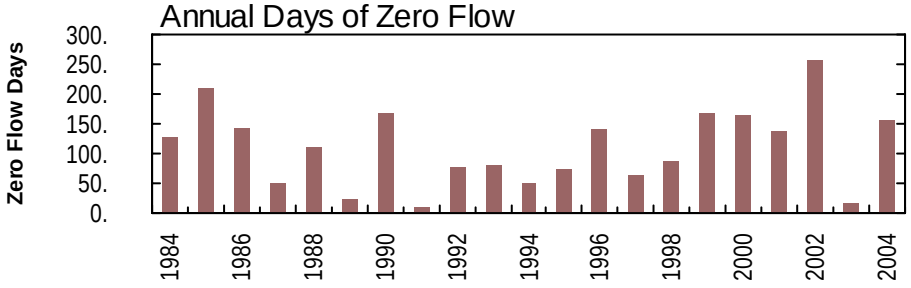
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1983 – 2004



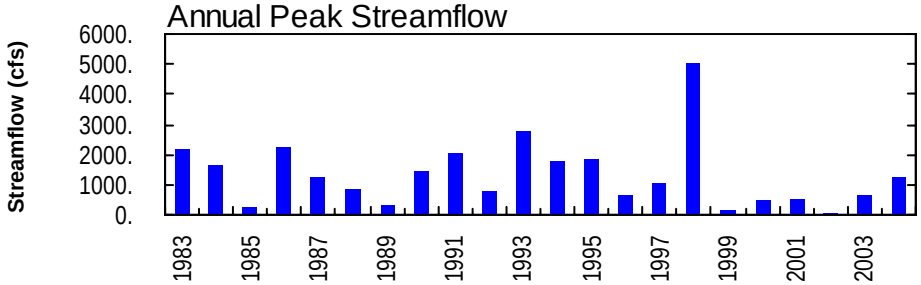
Annual Mean Streamflow



Annual Days of Zero Flow



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02216180 TURNPIKE CREEK NEAR MCRAE, GA

LOCATION.—Lat 31°59'29", long 82°55'19", referenced to North American Datum (NAD) of 1983, Telfair County, Hydrologic Unit 03070105, on downstream side of bridge pier on US 319 and 441, 4.8 miles south of McRae and 13.8 miles upstream from mouth.

DRAINAGE AREA.—49.2 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1983 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 173.17 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/08	2130	662	8.06
09/28	0715	1,250*	9.06*

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1983 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 173.17 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.06 feet, September 28; minimum gage-height recorded, 1.18 feet, August 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 6, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02216180 TURNPIKE CREEK NEAR MCRAE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 271
LATITUDE 315929 LONGITUDE 0825519 NAD83 DRAINAGE AREA 49.2 CONTRIBUTING DRAINAGE AREA 49.2* DATUM 173.17 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.02	2.5	24	57	5.4	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.01	2.5	23	50	4.6	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.01	2.6	26	46	3.8	e0.90	0.00	0.00	0.00	0.00
4	0.00	0.02	0.07	2.5	26	42	2.9	e2.0	0.00	0.00	0.00	0.00
5	0.00	2.2	1.2	2.5	23	37	2.6	1.2	0.00	0.00	0.00	0.00
6	0.00	1.4	0.49	4.2	e85	36	2.5	0.48	0.00	0.00	0.00	0.11
7	0.00	1.4	0.31	3.6	145	35	2.0	0.11	0.00	0.00	0.00	38
8	0.00	1.2	0.31	3.5	103	30	1.8	0.01	0.00	0.00	0.00	269
9	0.00	1.8	0.63	4.1	66	25	1.6	0.00	0.00	0.00	0.00	461
10	0.00	1.2	2.3	5.5	42	23	1.3	0.00	0.00	0.00	0.00	246
11	0.00	0.66	3.3	5.4	36	23	1.1	0.00	0.00	0.00	0.00	167
12	0.00	0.31	3.4	4.8	87	21	0.92	0.00	0.00	0.00	0.00	149
13	0.00	0.15	3.5	4.0	151	19	1.3	0.00	0.00	0.00	0.00	89
14	0.00	0.06	6.2	3.7	186	17	1.5	0.00	0.00	0.00	0.00	73
15	0.00	0.03	7.7	3.2	298	16	1.4	0.00	0.00	0.00	0.00	66
16	0.00	0.07	8.9	2.8	243	17	1.1	0.00	0.00	0.00	0.00	56
17	0.00	0.07	8.4	2.4	167	17	0.92	0.00	0.00	0.00	0.00	78
18	0.00	0.04	9.4	2.6	94	14	0.65	0.00	0.00	0.00	0.00	64
19	0.00	0.58	8.0	2.6	70	12	0.57	0.00	0.00	0.00	0.00	62
20	0.00	0.61	6.1	2.2	62	10	0.30	0.00	0.00	0.00	0.00	45
21	0.00	0.23	4.8	2.1	55	9.4	0.09	0.00	0.00	0.00	0.00	26
22	0.00	0.09	4.0	2.0	49	8.1	0.03	0.00	0.00	0.00	0.00	17
23	0.00	0.04	3.5	1.7	42	6.7	0.02	0.00	0.00	0.00	0.00	12
24	0.00	0.07	4.3	1.5	41	6.1	0.01	0.00	0.00	0.00	0.00	8.8
25	0.00	0.27	3.7	1.9	48	6.2	0.00	0.00	0.00	0.00	0.00	6.9
26	0.00	0.28	3.4	17	134	5.8	0.00	0.00	0.00	0.00	0.00	6.0
27	0.00	0.14	3.4	98	179	5.4	0.00	0.00	0.00	0.00	0.00	513
28	0.00	0.08	3.0	114	127	5.5	0.00	0.00	0.00	0.00	0.00	1150
29	0.00	0.08	2.7	88	74	4.9	0.00	0.00	0.00	0.00	0.00	647
30	0.00	0.03	2.6	54	---	4.6	0.00	0.00	0.00	0.00	0.00	312
31	0.00	---	2.5	31	---	5.1	---	0.00	---	0.00	0.00	---
TOTAL	0.00	13.11	108.15	478.4	2706	614.8	38.41	4.70	0.00	0.00	0.00	4561.81
MEAN	0.00	0.44	3.49	15.4	93.3	19.8	1.28	0.15	0.00	0.00	0.00	152
MAX	0.00	2.2	9.4	114	298	57	5.4	2.0	0.00	0.00	0.00	1150
MIN	0.00	0.00	0.01	1.5	23	4.6	0.00	0.00	0.00	0.00	0.00	0.00
CFSM	0.00	0.01	0.07	0.31	1.90	0.40	0.03	0.00	0.00	0.00	0.00	3.09
IN.	0.00	0.01	0.08	0.36	2.05	0.46	0.03	0.00	0.00	0.00	0.00	3.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

MEAN	20.0	30.0	58.1	108	114	135	54.2	18.1	16.5	13.1	15.7	13.5
MAX	212	212	406	329	285	315	188	141	92.3	84.1	215	152
(WY)	1995	1998	1998	1987	1998	1998	1998	1984	1995	1994	1994	2004
MIN	0.00	0.00	0.00	0.00	0.11	16.1	1.28	0.00	0.00	0.00	0.00	0.00
(WY)	1984	1985	1985	1985	2002	1985	2004	1986	1985	1986	1986	1984

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	16717.46		8525.38			
ANNUAL MEAN	45.8		23.3		48.1	
HIGHEST ANNUAL MEAN					142	1998
LOWEST ANNUAL MEAN					3.04	2002
HIGHEST DAILY MEAN	610	Mar 21	1150	Sep 28	3040	Mar 9 1998
LOWEST DAILY MEAN	0.00	Sep 5	0.00	Oct 1	0.00	Jun 2 1983
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 16	0.00	Oct 1	0.00	Jul 17 1983
MAXIMUM PEAK FLOW			1250	Sep 28	4980	Mar 9 1998
MAXIMUM PEAK STAGE			9.06	Sep 28	11.82	Mar 9 1998
ANNUAL RUNOFF (CFSM)	0.931		0.473		0.978	
ANNUAL RUNOFF (INCHES)	12.64		6.45		13.29	
10 PERCENT EXCEEDS	148		56		134	
50 PERCENT EXCEEDS	8.4		0.10		4.3	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02216180 TURNPIKE CREEK NEAR MCRAE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 271
LATITUDE 315929 LONGITUDE 0825519 NAD83 DRAINAGE AREA 49.2 CONTRIBUTING DRAINAGE AREA 49.2* DATUM 173.17 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.61	1.83	2.13	2.50	3.73	4.75	2.71	1.88	1.46	1.59	1.21	1.22
2	1.59	1.80	2.12	2.51	3.67	4.56	2.64	1.91	1.46	1.61	1.20	1.22
3	1.57	1.78	2.10	2.52	3.79	4.46	2.55	---	1.42	1.65	1.20	1.22
4	1.55	1.84	2.14	2.50	3.79	4.35	2.45	---	1.39	1.65	1.20	1.21
5	1.52	2.47	2.35	2.50	3.68	4.20	2.40	2.20	1.36	1.62	1.20	1.21
6	1.50	2.38	2.27	2.66	---	4.16	2.39	2.10	1.33	1.59	1.20	1.56
7	1.57	2.37	2.25	2.60	6.01	4.11	2.33	2.03	1.34	1.55	1.19	3.87
8	1.60	2.35	2.25	2.60	5.59	3.95	2.29	1.94	1.57	1.53	1.19	6.41
9	1.58	2.42	2.29	2.64	4.97	3.78	2.27	1.83	1.61	1.49	1.18	7.52
10	1.56	2.35	2.46	2.75	4.35	3.70	2.23	1.79	1.60	1.45	1.18	6.67
11	1.55	2.29	2.58	2.74	4.14	3.68	2.19	1.76	1.58	1.41	1.18	6.19
12	1.54	2.25	2.59	2.70	5.19	3.62	2.16	1.76	1.55	1.38	1.18	6.05
13	1.53	2.21	2.60	2.64	6.07	3.53	2.22	1.77	1.53	1.34	1.18	5.42
14	1.54	2.17	2.80	2.61	6.29	3.44	2.26	1.75	1.51	1.31	1.18	5.13
15	1.51	2.14	2.91	2.57	6.94	3.40	2.24	1.72	1.50	1.27	1.28	4.96
16	1.47	2.18	2.98	2.53	6.66	3.44	2.19	1.69	1.48	1.24	1.48	4.74
17	1.44	2.18	2.95	2.49	6.17	3.42	2.16	1.67	1.46	1.23	1.41	5.24
18	1.42	2.16	3.02	2.51	5.49	3.30	2.13	1.65	1.42	1.31	1.38	4.93
19	1.39	2.26	2.92	2.51	5.07	3.18	2.12	1.65	1.39	1.40	1.27	4.88
20	1.37	2.28	2.79	2.47	4.87	3.08	2.08	1.69	1.36	1.33	1.22	4.43
21	1.34	2.23	2.70	2.46	4.70	3.02	2.02	1.77	1.62	1.26	1.22	3.81
22	1.32	2.19	2.63	2.45	4.53	2.93	1.98	1.74	1.72	1.23	1.22	3.43
23	1.30	2.16	2.60	2.41	4.35	2.83	1.96	1.71	1.70	1.23	1.22	3.19
24	1.27	2.17	2.66	2.39	4.32	2.79	1.93	1.67	1.68	1.23	1.22	2.98
25	1.26	2.24	2.61	2.44	4.52	2.79	1.89	1.64	1.65	1.23	1.22	2.85
26	1.27	2.24	2.59	3.13	5.87	2.76	1.88	1.60	1.65	1.23	1.21	2.77
27	1.31	2.21	2.59	5.52	6.28	2.72	1.92	1.56	1.65	1.23	1.21	6.69
28	1.49	2.19	2.55	5.73	5.85	2.73	1.89	1.52	1.63	1.21	1.21	8.93
29	1.95	2.19	2.53	5.42	5.14	2.67	1.86	1.48	1.60	1.21	1.21	7.99
30	1.98	2.14	2.51	4.66	---	2.64	1.86	1.44	1.57	1.21	1.20	6.99
31	1.89	---	2.51	3.99	---	2.69	---	1.42	---	1.21	1.20	---
MEAN	1.51	2.19	2.55	2.97	---	3.44	2.17	---	1.53	1.37	1.23	4.46
MAX	1.98	2.47	3.02	5.73	---	4.75	2.71	---	1.72	1.65	1.48	8.93
MIN	1.26	1.78	2.10	2.39	---	2.64	1.86	---	1.33	1.21	1.18	1.21

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02216180 TURNPIKE CREEK NEAR MCRAE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 271
LATITUDE 315929 LONGITUDE 0825519 NAD83 DRAINAGE AREA 49.2 CONTRIBUTING DRAINAGE AREA 49.2* DATUM 173.17 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.22	0.58	0.10	0.00	0.64
2	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.51	0.00	0.48	0.05	0.05
3	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.23	0.00	0.00
4	0.00	1.50	0.12	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.09	0.00
5	0.00	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.01	0.00	0.00	0.02	---	0.02	0.00	0.00	0.00	0.00	0.00	5.08
7	0.70	0.00	0.00	0.00	---	0.00	0.00	0.00	1.14	0.05	0.00	1.13
8	0.01	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.77	0.00	0.00	0.00
9	0.00	0.00	0.00	0.13	0.00	0.04	0.00	0.00	0.10	0.00	0.00	0.00
10	0.01	0.00	0.56	0.00	0.01	0.00	0.00	0.00	0.04	0.00	0.52	0.52
11	0.07	0.00	0.00	0.00	0.28	0.01	0.00	0.04	0.00	0.00	0.06	0.10
12	0.01	0.00	0.00	0.00	0.92	0.00	0.01	0.45	0.00	0.08	0.22	0.00
13	0.13	0.00	0.02	0.00	0.00	0.00	0.29	0.00	0.10	0.00	0.01	0.34
14	0.02	0.00	0.61	0.00	1.30	0.00	0.00	0.00	0.18	0.00	0.00	0.01
15	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.09	0.00	1.34	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81
17	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.06	0.00	0.01	0.36	0.00
18	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.01	0.59	0.01	0.00
19	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.78	0.00	0.13	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.01	0.00
23	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.05	0.00	0.00	0.00
24	0.00	0.22	0.08	0.00	0.06	0.00	0.00	0.00	0.06	0.07	0.02	0.00
25	0.00	0.00	0.00	0.11	0.84	0.00	0.00	0.00	0.20	0.06	0.00	0.00
26	0.34	0.00	0.00	1.93	0.21	0.00	0.35	0.00	0.26	0.02	0.00	0.11
27	---	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.10	0.01	0.00	4.27
28	1.97	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00
29	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
30	0.00	0.00	0.04	0.00	---	0.08	0.08	0.00	0.46	0.06	0.02	0.00
31	0.00	---	0.01	0.00	---	0.03	---	0.15	---	0.00	0.00	---
TOTAL	---	2.29	1.64	2.79	---	0.18	0.81	2.63	6.07	1.79	2.88	13.06

ALTAMAHA RIVER BASIN
2004 Water Year

02216185 TURNPIKE CREEK AT GA 149, NEAR MCRAE, GA

LOCATION.—Lat 31°57'18", long 82°51'22", referenced to North American Datum (NAD) of 1983, Telfair County, Hydrologic Unit 03070105, located at bridge crossing on State Highway 149, 2.9 miles upstream of County Road 160 and 5.8 miles upstream of Sugar Creek.

DRAINAGE AREA.—67.4 square miles.

REMARKS.—Datum of gage is 160.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
14...	02216185	20040414	1030	1028	80020	4.25	2.0	40	--	756	4.8	46
MAY												
19...	02216185	20040519	0930	1028	80020	3.82	E.10	70	3.4	770	2.2	24

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)
APR													
14...	5.9	56	13.4	--	--	.05	<.06	<.008	--	--	E.004	.050	.90
MAY													
19...	6.3	66	20.0	18	22	.38	<.06	E.006	.14	.028	.009	.069	1.18

Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR											
14...	--	--	--	--	--	--	--	1006	15.00	3044	1
MAY											
19...	1.2	1.2	14.0	2.0	2.5	98	20	1006	15.00	3070	1

02216185 TURNPIKE CREEK AT GA 149, NEAR MCRAE, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
11...	0930	80020	11.1	38.4	690	70	729	81.50	4250	8.8	17.8	1.6	2.6

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

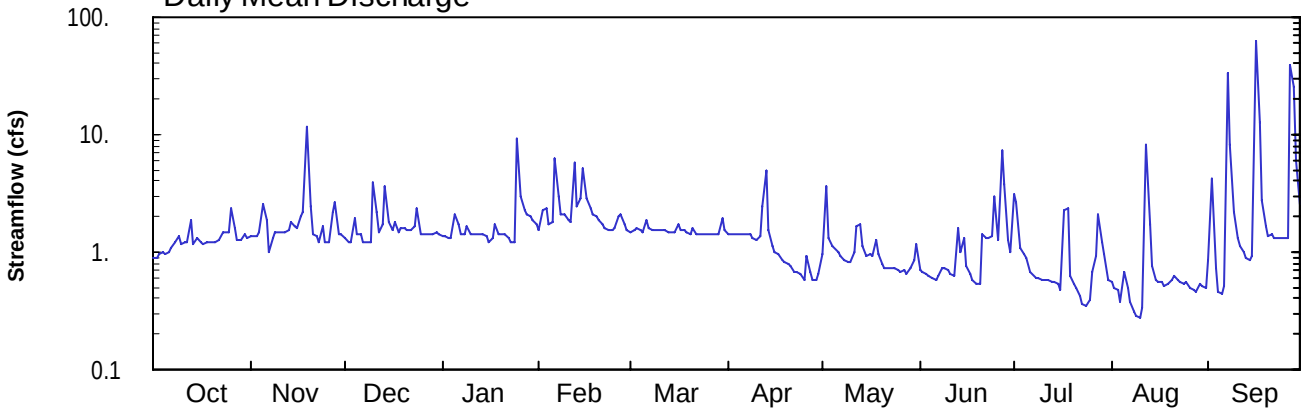
ALTAMAHA RIVER BASIN

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA

Latitude: 34°04'56" Longitude: 083°51'17" Hydrologic Unit Code: 03070101

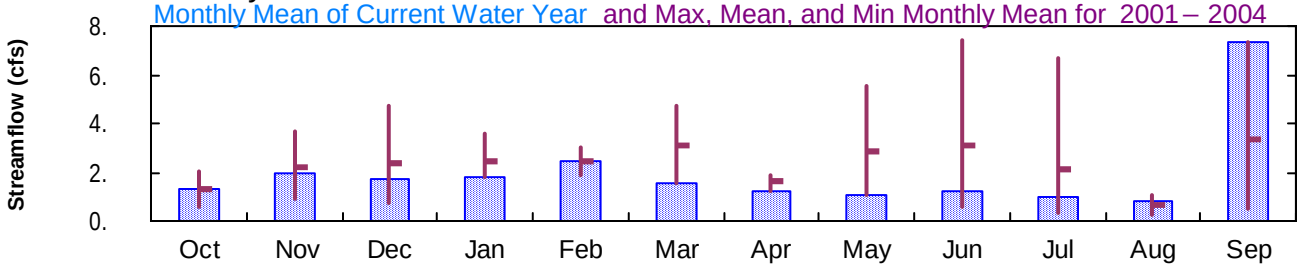
Gwinnett County Datum: 885.00 feet Drainage Area: 1.31 mi²

Daily Mean Discharge

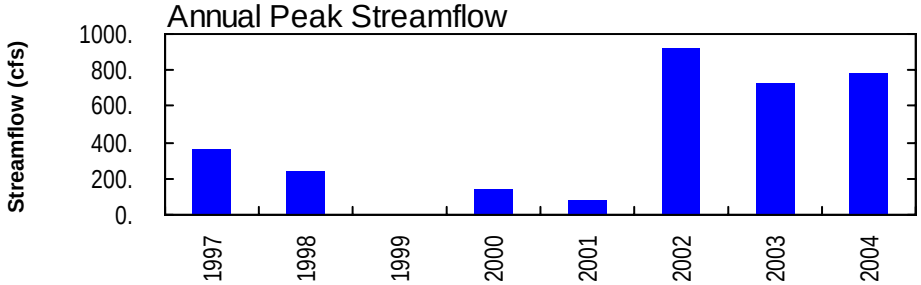


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA

LOCATION.—Lat 34°04'56", long 83°51'17", referenced to North American Datum (NAD) of 1927, Jackson-Barrow County line, Hydrologic Unit 03070101, at concrete box culvert on Bill Cheek Road.

DRAINAGE AREA.—1.31 square miles (revised).

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 29, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 885.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharges and those above 68 cfs, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 29, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 885.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.46 feet, September 16; minimum gage-height recorded, 1.19 feet, May 28, June 19, 20, July 23, 24, August 4, 7-12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 29, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31* CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.90	1.4	1.3	1.4	1.6	e1.5	1.4	0.96	0.70	3.1	0.55	0.85
2	0.90	1.4	1.2	1.4	2.3	e1.5	1.4	3.6	0.68	2.7	0.49	4.3
3	0.95	1.4	1.2	1.3	2.3	1.6	1.4	1.3	0.66	1.1	0.47	0.72
4	0.99	1.5	2.0	1.3	1.7	1.5	1.4	1.1	0.63	0.97	0.37	0.46
5	0.97	2.5	1.4	2.1	1.8	1.5	1.4	1.1	0.60	0.89	0.68	0.43
6	1.0	1.8	1.4	1.7	6.3	1.9	1.4	0.99	0.57	0.69	0.50	0.51
7	1.1	1.0	1.2	1.4	3.0	1.6	1.4	0.92	0.63	0.65	0.37	34
8	1.2	1.3	1.2	1.4	2.1	1.6	1.4	0.87	0.74	0.61	0.31	8.3
9	1.3	1.5	1.2	1.7	2.1	1.6	1.3	0.83	0.73	0.61	0.28	2.2
10	1.2	1.5	4.0	1.4	1.9	1.6	1.3	0.82	0.70	0.58	0.28	1.3
11	1.2	1.5	2.2	1.4	1.8	1.6	1.4	0.98	0.64	0.57	0.34	1.1
12	1.2	1.5	1.5	1.4	5.7	1.5	2.4	1.6	0.63	0.59	8.3	0.99
13	1.8	1.5	1.7	1.4	2.5	1.5	5.0	1.7	1.6	0.57	1.7	0.90
14	1.2	1.8	3.6	1.4	2.9	1.5	1.5	1.1	1.0	0.56	0.77	0.86
15	1.3	1.7	1.8	1.4	5.1	1.5	1.1	0.93	1.3	0.54	0.58	0.91
16	1.2	1.6	1.6	1.2	2.9	1.7	1.0	0.98	0.75	0.48	0.56	63
17	1.2	2.0	1.8	1.3	2.4	1.5	0.96	0.93	0.65	2.3	0.55	13
18	1.2	2.2	1.5	1.7	2.1	1.5	0.86	1.3	0.59	2.3	0.51	2.7
19	1.2	11	1.6	1.4	2.0	1.5	0.81	0.97	0.54	0.63	0.54	1.6
20	1.2	2.5	1.6	1.4	1.9	1.4	0.80	0.80	0.54	0.53	0.58	1.4
21	1.2	1.4	1.6	1.4	1.8	1.6	0.75	0.74	1.4	0.50	0.64	e1.4
22	1.3	1.4	1.6	1.3	1.6	1.4	0.69	0.74	1.3	0.43	0.57	e1.3
23	1.5	1.2	1.7	1.2	1.6	1.4	0.67	e0.74	1.3	0.36	0.57	e1.3
24	1.5	1.6	2.4	1.2	1.6	1.4	0.64	0.74	1.3	0.35	0.54	1.3
25	1.5	1.2	1.4	9.1	1.6	1.4	0.58	0.71	3.0	0.39	0.56	1.3
26	2.3	1.2	1.4	e3.0	2.0	1.4	0.94	0.69	1.3	0.68	0.49	1.3
27	1.6	2.2	1.4	e2.3	2.1	1.4	0.66	0.69	7.3	0.92	0.48	39
28	e1.3	2.7	1.4	2.1	1.7	1.4	0.59	0.66	3.8	2.1	0.46	25
29	1.2	1.4	1.4	2.0	1.6	1.4	0.59	0.74	1.3	1.2	0.54	6.1
30	e1.4	1.4	1.5	1.9	---	2.0	0.66	0.84	1.0	0.98	0.52	2.6
31	1.3	---	1.4	1.7	---	1.5	---	1.2	---	0.58	0.50	---
TOTAL	39.31	58.3	52.2	56.3	70.0	47.4	36.40	32.27	37.88	29.46	24.60	220.13
MEAN	1.27	1.94	1.68	1.82	2.41	1.53	1.21	1.04	1.26	0.95	0.79	7.34
MAX	2.3	11	4.0	9.1	6.3	2.0	5.0	3.6	7.3	3.1	8.3	63
MIN	0.90	1.0	1.2	1.2	1.6	1.4	0.58	0.66	0.54	0.35	0.28	0.43
CFSM	0.97	1.48	1.29	1.39	1.84	1.17	0.93	0.79	0.96	0.73	0.61	5.60
IN.	1.12	1.66	1.48	1.60	1.99	1.35	1.03	0.92	1.08	0.84	0.70	6.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	1.31	2.17	2.37	2.48	2.42	3.08	1.61	2.86	3.09	2.16	0.62	3.37
MAX	2.06	3.69	4.70	3.57	2.99	4.76	1.90	5.59	7.46	6.73	1.06	7.34
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2004
MIN	0.60	0.86	0.71	1.82	1.85	1.53	1.21	1.04	0.54	0.34	0.28	0.45
(WY)	2002	2002	2002	2004	2002	2004	2004	2004	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	1170.74		704.25			
ANNUAL MEAN	3.21		1.92		2.42	
HIGHEST ANNUAL MEAN					3.67	2003
LOWEST ANNUAL MEAN					1.67	2002
HIGHEST DAILY MEAN	80	Jul 1	63	Sep 16	80	Jul 1 2003
LOWEST DAILY MEAN	0.65	Sep 1	0.28	Aug 9 a	0.16	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	0.67	Aug 30	0.39	Aug 5	0.19	Aug 7 2002
MAXIMUM PEAK FLOW			780	Sep 16	928	Sep 21 2002
MAXIMUM PEAK STAGE			6.46	Sep 16	7.18	Sep 21 2002
ANNUAL RUNOFF (CFSM)	2.45		1.47		1.85	
ANNUAL RUNOFF (INCHES)	33.25		20.00		25.11	
10 PERCENT EXCEEDS	4.3		2.3		3.7	
50 PERCENT EXCEEDS	1.7		1.3		1.3	
90 PERCENT EXCEEDS	0.89		0.57		0.48	

e Estimated
a Also Aug 10

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31* CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.25	1.29	1.28	1.28	1.30	---	1.29	1.28	1.22	1.36	1.21	1.24
2	1.25	1.29	1.27	1.28	1.34	---	1.29	1.41	1.22	1.37	1.21	1.42
3	1.26	1.29	1.27	1.28	1.35	1.30	1.29	1.27	1.21	1.26	1.21	1.23
4	1.26	1.30	1.33	1.27	1.31	1.30	1.28	1.26	1.21	1.25	1.20	1.21
5	1.26	1.34	1.29	1.33	1.31	1.30	1.28	1.25	1.21	1.25	1.23	1.21
6	1.27	1.32	1.28	1.31	1.52	1.32	1.28	1.25	1.21	1.24	1.22	1.21
7	1.27	1.27	1.27	1.28	1.40	1.30	1.28	1.24	1.21	1.23	1.20	1.94
8	1.28	1.29	1.27	1.28	1.34	1.30	1.28	1.24	1.22	1.23	1.20	1.59
9	1.29	1.30	1.27	1.31	1.33	1.30	1.27	1.24	1.22	1.23	1.20	1.35
10	1.28	1.30	1.44	1.29	1.32	1.30	1.27	1.23	1.22	1.22	1.20	1.28
11	1.28	1.30	1.34	1.28	1.32	1.30	1.28	1.25	1.21	1.22	1.20	1.27
12	1.28	1.31	1.30	1.28	1.51	1.30	1.33	1.29	1.21	1.22	1.49	1.26
13	1.33	1.31	1.31	1.28	1.37	1.29	1.50	1.30	1.29	1.22	1.31	1.25
14	1.28	1.33	1.43	1.28	1.40	1.29	1.32	1.25	1.25	1.22	1.24	1.25
15	1.29	1.32	1.31	1.28	1.49	1.30	1.29	1.24	1.27	1.22	1.22	1.25
16	1.28	1.32	1.30	1.27	1.40	1.31	1.28	1.25	1.23	1.21	1.22	1.93
17	1.28	1.33	1.32	1.27	1.36	1.30	1.27	1.24	1.21	1.31	1.21	1.70
18	1.28	1.32	1.29	1.31	1.34	1.30	1.27	1.27	1.21	1.35	1.21	1.38
19	1.28	1.62	1.30	1.28	1.33	1.29	1.26	1.24	1.20	1.23	1.21	1.31
20	1.28	1.36	1.30	1.28	1.32	1.29	1.26	1.23	1.20	1.21	1.22	1.28
21	1.28	1.29	1.30	1.28	1.31	1.30	1.26	1.23	1.27	1.21	1.23	1.31
22	1.29	1.28	1.30	1.28	1.30	1.29	1.26	1.23	1.27	1.21	1.22	1.35
23	1.30	1.27	1.31	1.27	1.30	1.29	1.25	---	1.27	1.20	1.22	1.32
24	1.30	1.30	1.35	1.27	1.30	1.29	1.25	1.22	1.27	1.20	1.21	1.28
25	1.31	1.27	1.29	1.60	1.30	1.29	1.25	1.22	1.37	1.20	1.22	1.28
26	1.35	1.27	1.28	---	1.33	1.29	1.27	1.22	1.27	1.23	1.21	1.28
27	1.31	1.33	1.28	---	1.33	1.29	1.25	1.22	1.45	1.23	1.21	1.77
28	---	1.38	1.28	1.34	1.31	1.29	1.25	1.21	1.44	1.32	1.21	1.92
29	1.28	1.29	1.28	1.33	1.30	1.29	1.25	1.22	1.27	1.26	1.21	1.58
30	---	1.28	1.29	1.32	---	1.33	1.25	1.23	1.26	1.25	1.22	1.45
31	1.29	---	1.28	1.31	---	1.30	---	1.26	---	1.22	1.21	---
MEAN	---	1.32	1.30	---	1.35	---	1.28	---	1.25	1.24	1.23	1.40
MAX	---	1.62	1.44	---	1.52	---	1.50	---	1.45	1.37	1.49	1.94
MIN	---	1.27	1.27	---	1.30	---	1.25	---	1.20	1.20	1.20	1.21

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31* CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	---	0.00	0.30	0.00	0.61	0.03	0.32
2	0.00	0.00	0.00	0.00	0.53	---	0.00	0.83	0.00	0.05	0.00	0.27
3	0.00	0.00	0.04	0.00	0.07	0.01	0.00	0.01	0.00	0.00	0.00	0.00
4	0.00	0.01	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00
5	0.00	1.07	0.00	0.49	0.08	0.00	0.00	0.00	0.00	0.00	0.35	0.00
6	0.00	0.00	0.00	0.00	0.87	0.21	0.00	0.00	0.00	0.00	0.00	0.05
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	4.48
8	0.06	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.13
9	0.05	0.00	0.00	0.23	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.90	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.04	0.00	0.00	0.00	0.06	0.00	0.16	0.20	0.00	0.00	0.00	0.00
12	0.01	0.00	0.00	0.00	0.63	0.00	0.77	0.95	0.62	0.03	1.87	0.00
13	0.00	0.00	0.37	0.00	0.21	0.00	0.50	0.04	0.21	0.00	0.00	0.00
14	0.04	0.00	0.38	0.00	0.18	0.00	0.01	0.00	0.23	0.13	0.00	0.00
15	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.11	0.00	0.00	0.00
16	0.00	0.00	0.03	0.00	0.43	0.16	0.00	0.05	0.03	0.00	0.00	3.71
17	0.00	0.33	0.14	0.10	0.00	0.01	0.00	0.00	0.03	0.86	0.00	0.17
18	0.00	0.91	0.02	0.24	0.00	0.00	0.00	0.34	0.02	0.01	0.00	0.00
19	0.00	1.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.16	0.00
21	0.00	0.00	0.00	0.00	0.03	0.08	0.00	0.00	0.55	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00
23	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
24	0.00	0.24	0.27	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
25	0.00	0.00	0.11	1.53	0.08	0.00	0.00	0.00	0.72	0.01	0.00	0.00
26	0.79	0.00	0.00	---	0.05	0.00	0.28	0.00	0.07	0.24	0.00	0.00
27	0.01	0.67	0.00	---	0.27	0.00	0.00	0.00	1.34	0.88	0.00	2.82
28	0.00	0.18	0.01	0.00	0.10	0.00	0.00	0.03	0.12	0.08	0.00	0.01
29	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.00	0.86	0.04	0.00
30	0.00	0.00	0.09	0.00	---	0.45	0.06	0.00	0.15	0.01	0.01	0.00
31	0.00	---	0.00	0.00	---	0.01	---	0.40	---	0.00	0.00	---
TOTAL	1.00	4.52	3.08	---	3.78	---	1.78	3.17	5.43	3.88	2.48	11.96

ALTAMAHA RIVER BASIN
2004 Water Year

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA

LOCATION.—Lat 34°04'56", long 83°51'17", referenced to North American Datum (NAD) of 1927, Jackson-Barrow County line, Hydrologic Unit 03070101, at concrete box culvert on Bill Cheek Road.

DRAINAGE AREA.—1.31 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.— June 1, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: June 1, 2001 to current year.
WATER TEMPERATURE: June 29, 2001 to current year.
TURBIDITY: June 29, 2001 to current year.

INSTRUMENTATION.— Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.— Records fair, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 184 microsiemens, June 10, 2003; minimum recorded, 13 microsiemens, September 17, 2004.
WATER TEMPERATURE: Maximum recorded, 25.6°C, July 30, 2002; minimum recorded, 0.6°C, January 4, 2002, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <2.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 95 microsiemens, November 5; minimum recorded, 13 microsiemens, September 17.
WATER TEMPERATURE: Maximum recorded, 24.4°C, July 18; minimum recorded, 3.2°C, December 21.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	60	57	58	55	54	54	54	53	54	52	50	51
2	57	56	56	54	53	53	54	53	53	51	50	51
3	56	55	56	54	53	54	53	52	53	51	50	51
4	56	55	55	54	52	54	64	52	57	51	50	51
5	55	54	55	95	49	57	61	54	58	70	48	54
6	55	54	55	93	63	68	55	53	53	64	54	59
7	56	54	55	65	58	60	53	52	53	54	53	53
8	56	53	55	58	56	57	53	52	52	53	52	52
9	62	53	55	56	55	55	52	51	52	59	51	56
10	63	55	57	55	53	54	79	49	60	59	54	57
11	55	54	55	54	52	53	60	53	56	56	52	54
12	56	54	55	54	52	53	55	53	54	53	51	52
13	63	51	58	54	53	53	71	52	54	52	50	52
14	61	59	60	54	52	53	71	55	58	52	50	52
15	59	56	57	53	52	53	57	53	54	52	50	52
16	56	54	55	54	52	53	53	52	52	52	50	52
17	---	---	---	65	53	59	60	52	57	52	50	52
18	53	53	53	74	53	58	56	53	54	62	51	57
19	54	53	53	74	42	52	53	52	53	56	51	52
20	57	52	54	58	52	55	53	52	52	60	53	55
21	57	54	55	57	54	55	53	52	52	55	53	54
22	55	53	54	54	53	54	52	51	52	55	52	53
23	---	---	---	54	53	54	52	50	52	55	52	53
24	54	52	53	60	53	56	65	47	57	54	52	53
25	54	52	53	60	55	58	57	52	54	65	46	52
26	92	53	61	55	53	54	52	51	52	---	---	---
27	85	65	69	72	50	54	52	51	51	---	---	---
28	---	---	---	61	55	58	52	50	51	50	49	49
29	57	55	56	62	55	57	51	50	51	49	49	49
30	---	---	---	55	53	54	58	50	54	58	49	50
31	55	53	54	---	---	---	54	51	52	50	49	49
MONTH	---	---	---	95	42	55	79	47	54	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	50	49	49	---	---	---	48	45	47	61	50	57
2	66	48	51	---	---	---	49	45	47	58	40	45
3	79	52	61	53	47	49	49	45	48	52	50	51
4	52	48	50	48	46	47	49	45	48	53	49	50
5	61	49	51	48	46	47	49	45	48	50	49	50
6	63	49	55	53	45	49	50	45	48	50	49	50
7	51	48	50	51	46	48	50	45	48	50	49	50
8	48	47	48	48	46	48	50	46	48	50	49	50
9	48	47	48	48	46	47	50	46	48	50	49	49
10	48	47	48	48	46	47	50	46	48	50	49	50
11	48	47	48	48	46	47	56	46	50	66	48	51
12	49	41	45	48	46	47	61	44	51	67	36	59
13	49	47	48	48	47	48	47	42	44	63	54	58
14	53	46	50	48	46	47	51	46	48	61	55	56
15	51	40	47	49	46	48	49	47	48	55	52	53
16	57	47	48	52	47	49	49	47	48	57	50	52
17	63	49	52	52	46	48	49	47	48	62	54	58
18	50	48	49	49	46	48	50	47	49	72	50	57
19	51	49	50	53	46	49	50	47	49	59	53	57
20	49	47	48	49	45	48	50	47	49	56	52	53
21	49	47	48	57	48	52	50	47	49	55	53	53
22	48	46	47	52	46	49	50	47	49	53	52	52
23	48	47	48	49	46	48	50	48	49	---	---	---
24	48	46	47	49	45	48	50	48	49	---	---	---
25	52	46	48	49	45	48	50	48	49	---	---	---
26	64	46	52	49	45	48	62	49	54	---	---	---
27	64	49	56	50	46	48	58	51	54	51	51	51
28	49	47	48	50	45	48	51	49	50	52	51	51
29	49	46	48	49	45	48	50	48	49	51	50	51
30	---	---	---	64	47	52	55	49	50	55	50	54
31	---	---	---	52	46	49	---	---	---	64	49	56
MONTH	79	40	50	---	---	---	62	42	49	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	59	54	56	59	36	55	52	51	51	63	50	56
2	54	52	52	53	41	45	54	50	51	58	30	41
3	52	51	51	54	53	54	51	50	51	50	42	48
4	51	51	51	55	52	54	51	50	51	52	50	51
5	51	50	51	56	54	56	54	46	50	53	52	52
6	51	50	50	61	54	57	54	50	52	53	51	52
7	53	50	51	56	54	54	51	49	49	53	20	34
8	59	52	56	56	53	54	51	49	50	46	37	42
9	60	52	56	58	54	56	52	49	50	53	46	49
10	52	51	51	55	53	54	56	50	50	56	53	55
11	51	51	51	54	52	53	73	54	59	57	56	57
12	51	46	51	55	52	53	54	24	37	57	57	57
13	64	45	60	57	52	55	41	30	36	57	57	57
14	59	52	57	53	52	53	46	41	44	58	57	57
15	52	44	50	---	---	---	51	46	50	58	56	57
16	71	51	60	57	54	54	51	51	51	57	20	44
17	59	54	56	90	46	57	52	51	51	39	13	33
18	56	53	55	62	49	58	52	51	51	47	39	44
19	54	53	53	65	60	62	52	50	52	51	46	49
20	53	52	53	61	53	55	52	50	51	---	---	---
21	62	47	53	53	52	52	57	51	55	---	---	---
22	55	48	52	54	51	52	57	53	54	---	---	---
23	54	46	51	52	51	51	53	52	52	---	---	---
24	55	45	51	51	50	51	55	51	52	53	52	53
25	65	40	51	51	50	50	52	51	52	53	53	53
26	54	52	53	54	47	51	52	51	51	53	53	53
27	56	29	47	53	44	51	54	50	51	54	25	45
28	46	35	40	53	46	48	51	50	51	42	31	37
29	55	46	52	54	41	50	51	50	51	50	42	46
30	57	54	56	56	48	53	52	50	51	52	49	51
31	---	---	---	52	51	52	52	50	51	---	---	---
MONTH	71	29	53	---	---	---	73	24	50	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.1	13.6	15.2	17.0	12.4	14.6	11.4	7.2	9.0	10.0	5.4	7.6
2	16.3	13.2	14.6	17.2	12.8	14.8	10.6	6.8	8.6	11.2	7.6	9.4
3	15.1	12.0	13.5	17.1	12.7	14.7	8.5	7.4	8.0	13.6	9.6	11.6
4	16.7	12.6	14.6	17.6	14.8	16.2	8.0	6.8	7.1	14.4	11.0	12.7
5	17.5	14.0	15.7	19.3	17.0	18.0	8.6	7.1	7.9	14.6	10.6	13.3
6	17.9	15.9	16.9	21.2	18.6	19.7	9.4	6.9	7.8	10.6	6.0	8.3
7	18.2	16.7	17.3	19.5	16.9	18.1	8.9	5.3	6.9	6.1	3.7	4.9
8	18.0	17.0	17.4	17.2	15.4	16.2	9.2	5.3	7.1	6.3	3.3	4.9
9	18.5	17.3	17.8	15.4	12.5	14.3	10.3	6.2	8.3	7.3	5.9	6.6
10	18.4	17.5	17.9	13.4	10.6	11.9	11.4	8.8	10.3	7.1	5.1	6.5
11	17.5	16.9	17.2	15.0	10.1	12.4	9.3	7.3	8.2	7.2	3.7	5.2
12	19.4	16.7	17.8	17.2	12.2	14.5	9.3	6.0	7.5	8.5	4.3	6.1
13	19.8	15.9	18.0	15.9	10.2	13.3	8.1	6.4	7.3	10.2	6.8	8.1
14	19.8	16.5	18.7	11.9	8.0	9.9	7.7	5.9	6.8	10.1	6.5	8.3
15	16.6	13.9	15.3	13.3	9.2	10.9	9.7	6.2	7.7	10.6	7.4	9.1
16	15.9	11.8	13.8	14.7	9.9	12.3	10.2	6.1	8.2	9.5	5.4	7.3
17	14.6	11.7	13.4	16.8	14.0	15.3	10.3	6.7	8.5	8.0	5.5	6.9
18	15.9	12.1	14.0	17.2	14.6	15.8	8.7	5.5	7.1	10.1	7.7	8.9
19	16.3	12.1	14.2	17.7	14.6	16.7	8.5	5.9	7.1	9.0	5.5	7.4
20	17.0	12.8	14.8	15.0	12.6	13.7	6.9	4.5	5.4	7.3	3.6	5.3
21	17.9	13.4	15.7	15.0	10.8	12.7	6.9	3.2	4.9	7.1	3.5	5.2
22	17.2	14.7	16.0	14.8	10.5	12.5	8.4	3.8	5.9	8.3	4.3	6.0
23	16.3	12.9	14.5	14.6	10.3	12.5	9.6	5.1	7.3	7.3	4.1	5.6
24	15.9	12.3	14.1	13.7	9.9	12.6	10.2	6.7	9.0	9.7	4.2	6.7
25	16.3	12.9	14.4	10.8	7.4	9.0	7.5	4.8	6.1	8.8	5.2	7.2
26	16.2	14.8	15.3	11.5	7.3	9.3	8.2	4.4	6.1	---	---	---
27	16.6	14.1	16.0	11.8	10.2	11.0	8.8	4.4	6.4	---	---	---
28	---	---	---	13.3	8.9	11.9	8.8	4.9	6.7	7.0	3.7	5.2
29	15.3	12.0	13.5	9.1	6.9	7.9	9.8	6.4	8.2	7.9	4.1	5.8
30	---	---	---	10.1	6.0	7.8	10.1	6.9	8.9	9.1	5.4	7.0
31	16.4	12.0	14.1	---	---	---	9.0	5.1	6.9	8.3	4.8	6.4
MONTH	---	---	---	21.2	6.0	13.3	11.4	3.2	7.5	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.2	4.4	6.1	---	---	---	15.1	8.8	11.5	17.4	15.7	16.4
2	6.5	4.6	5.8	---	---	---	14.9	9.1	11.7	18.4	15.7	17.3
3	8.9	4.6	6.5	16.8	13.0	14.5	17.8	9.2	13.0	15.7	12.7	14.2
4	8.4	4.9	6.5	17.0	13.2	14.7	16.7	10.0	12.7	15.3	10.6	13.0
5	6.7	6.1	6.4	16.5	13.1	14.7	16.8	8.8	12.2	17.4	11.7	14.5
6	8.2	5.6	6.9	17.8	13.6	15.5	17.6	9.0	12.9	19.0	14.3	16.5
7	7.9	5.7	6.7	16.8	11.3	13.5	18.0	10.2	13.8	19.7	15.1	17.4
8	8.4	4.5	6.2	13.7	9.0	10.9	17.9	12.8	14.9	20.1	15.6	17.8
9	7.9	5.3	6.4	12.5	7.5	9.7	19.4	11.9	15.2	19.9	16.5	18.2
10	8.9	5.9	7.5	13.4	7.1	9.8	17.2	10.9	14.0	19.7	16.3	18.0
11	9.5	7.6	8.6	13.8	6.4	9.8	16.3	12.9	14.7	19.5	17.3	18.2
12	8.7	6.7	7.6	14.4	8.3	10.8	15.0	12.4	13.9	19.4	17.5	18.4
13	10.8	7.7	9.0	14.2	7.5	10.4	13.4	10.3	12.3	19.3	18.4	18.8
14	9.4	8.9	9.2	15.5	9.1	12.0	14.6	9.2	11.4	19.0	17.3	18.2
15	9.4	8.2	9.0	15.8	12.3	13.8	17.2	9.1	12.8	19.7	17.0	18.3
16	8.3	7.3	7.8	17.0	12.5	14.3	18.4	10.4	14.1	19.6	16.8	18.2
17	8.7	6.8	7.6	15.9	10.0	12.4	19.2	11.7	15.1	19.8	17.0	18.4
18	11.0	6.0	8.1	14.2	8.7	11.5	20.0	12.9	16.2	19.4	17.5	18.4
19	11.6	6.1	8.6	18.2	10.2	13.5	20.0	13.9	16.7	20.1	17.6	18.8
20	11.0	6.9	9.1	17.4	10.8	13.7	19.4	14.8	16.9	21.0	17.6	19.3
21	12.8	8.9	10.8	16.7	10.2	13.9	18.3	14.5	16.3	21.5	18.3	19.8
22	12.0	6.6	9.0	13.7	7.6	10.1	19.5	14.0	16.5	20.1	18.8	19.5
23	9.6	7.2	8.5	13.6	5.7	9.2	19.6	14.6	17.0	---	---	---
24	10.8	9.2	9.9	15.2	7.0	10.7	19.7	15.2	17.4	---	---	---
25	10.1	8.4	9.4	17.2	8.6	12.4	19.6	15.8	17.7	---	---	---
26	8.4	5.3	6.2	18.8	10.6	14.2	17.8	15.2	16.8	---	---	---
27	8.5	5.6	6.8	18.8	11.3	14.7	16.7	13.2	14.8	22.2	19.5	20.8
28	11.5	5.2	7.9	19.7	12.2	15.6	16.3	11.2	13.7	21.9	19.6	20.6
29	11.2	5.5	8.2	19.3	14.2	16.0	16.4	12.0	14.3	20.5	19.4	20.0
30	---	---	---	18.4	13.6	15.3	16.2	15.2	15.6	21.8	18.8	20.2
31	---	---	---	15.1	10.7	12.9	---	---	---	20.9	19.4	20.3
MONTH	12.8	4.4	7.8	---	---	---	20.0	8.8	14.5	---	---	---

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.3	18.6	19.4	22.8	20.0	20.9	23.9	21.5	22.7	22.0	20.9	21.4
2	20.5	17.3	19.0	22.6	21.4	22.0	23.8	21.8	22.8	22.1	21.4	21.7
3	20.6	18.0	19.4	22.8	20.8	21.7	23.8	21.1	22.5	21.8	20.7	21.3
4	21.2	18.9	19.9	22.2	20.4	21.2	24.1	21.6	22.9	21.6	19.7	20.7
5	20.1	17.1	18.8	23.3	19.9	21.6	23.0	21.4	22.3	22.0	19.9	20.9
6	20.4	17.5	19.0	23.3	20.2	21.7	22.9	21.0	22.0	21.6	20.6	21.1
7	20.2	18.4	19.4	22.9	20.4	21.7	21.0	18.4	19.8	22.4	21.2	21.8
8	20.0	18.8	19.4	23.3	20.7	21.9	20.8	17.3	19.1	22.0	20.9	21.6
9	20.9	19.2	19.9	23.3	20.7	22.1	20.6	17.7	19.2	22.0	20.1	21.0
10	21.6	19.1	20.3	23.8	21.2	22.4	20.6	18.8	19.8	21.8	19.9	20.8
11	22.5	19.6	21.1	23.9	21.1	22.5	21.7	18.6	20.2	21.5	19.0	20.2
12	23.1	20.5	21.8	23.4	21.3	22.4	21.8	19.8	21.0	21.2	18.7	19.9
13	22.1	21.4	21.9	24.1	21.5	22.8	20.9	19.1	20.0	20.3	18.8	19.6
14	22.1	21.0	21.5	24.0	21.3	22.5	20.7	18.0	19.4	20.3	18.0	19.2
15	23.2	21.4	22.1	23.0	20.9	21.9	21.4	19.5	20.3	19.8	18.8	19.3
16	22.8	21.1	21.9	22.0	19.1	20.7	21.6	19.9	20.7	22.7	19.8	21.0
17	23.4	20.9	22.2	24.2	20.5	21.9	21.7	19.4	20.6	22.0	20.7	21.4
18	23.2	21.3	22.3	24.4	22.3	23.3	22.0	19.7	20.9	20.9	18.9	20.0
19	23.8	21.2	22.5	23.0	20.6	21.9	22.3	19.5	20.9	19.2	16.7	18.0
20	23.1	20.8	22.1	22.7	19.8	21.3	22.2	20.3	21.3	18.0	15.6	16.8
21	22.2	21.1	21.5	22.9	19.9	21.4	22.3	20.8	21.5	---	---	---
22	23.1	21.0	22.0	23.2	20.5	22.0	22.5	20.7	21.5	---	---	---
23	22.5	21.2	21.8	24.2	21.3	22.7	22.4	20.9	21.6	---	---	---
24	22.3	21.3	21.8	24.3	21.6	23.0	22.4	20.3	21.4	20.2	17.3	18.7
25	24.1	21.0	22.2	23.3	21.9	22.6	22.3	20.7	21.5	20.2	17.6	18.9
26	22.8	21.4	21.9	23.3	21.3	22.3	22.4	20.3	21.4	19.7	17.0	18.4
27	22.9	20.7	21.6	22.7	21.5	22.1	22.7	20.2	21.5	20.0	18.6	19.2
28	22.3	21.5	21.9	24.1	22.4	23.1	23.3	20.8	22.0	21.4	19.5	20.3
29	21.7	20.1	21.0	23.4	21.7	22.4	22.6	21.1	21.9	20.3	18.4	19.4
30	20.9	20.2	20.5	23.9	22.4	23.0	22.7	20.6	21.7	19.9	17.1	18.5
31	---	---	---	23.8	21.6	22.7	22.8	20.8	21.8	---	---	---
MONTH	24.1	17.1	21.0	24.4	19.1	22.1	24.1	17.3	21.2	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14	5.9	8.1	<5.0	<5.0	<5.0	8.9	<5.0	5.4	5.1	<5.0	<5.0
2	14	9.2	12	5.9	<5.0	<5.0	6.3	<5.0	5.0	5.9	<5.0	<5.0
3	12	5.7	7.4	6.0	<5.0	<5.0	5.7	<5.0	<5.0	7.0	<5.0	<5.0
4	10	5.9	7.0	<5.0	<5.0	<5.0	89	<5.0	39	6.6	<5.0	5.1
5	9.7	6.2	7.2	718	<5.0	<5.0	39	5.3	12	374	<5.0	5.4
6	11	5.4	6.3	263	11	42	8.0	<5.0	5.0	147	33	60
7	24	6.1	7.9	12	6.2	7.3	5.0	<5.0	<5.0	35	8.9	13
8	14	5.6	6.6	7.4	5.2	5.8	5.3	<5.0	<5.0	11	6.4	8.0
9	11	5.9	7.4	7.2	<5.0	<5.0	5.7	<5.0	<5.0	40	7.4	18
10	8.6	<5.0	5.0	5.9	<5.0	<5.0	691	<5.0	146	15	7.3	9.8
11	9.0	<5.0	5.8	23	<5.0	<5.0	122	20	40	8.0	<5.0	5.9
12	6.2	<5.0	<5.0	15	<5.0	<5.0	21	6.4	7.5	6.7	<5.0	5.3
13	218	<5.0	106	8.5	<5.0	<5.0	100	<5.0	5.9	7.4	<5.0	<5.0
14	76	8.5	21	5.6	<5.0	<5.0	265	20	69	6.6	<5.0	<5.0
15	16	5.2	7.2	5.4	<5.0	<5.0	23	6.6	8.3	<5.0	<5.0	<5.0
16	7.0	<5.0	<5.0	<5.0	<5.0	<5.0	12	5.2	6.2	5.6	<5.0	<5.0
17	22	<5.0	<5.0	38	<5.0	13	42	6.3	17	<5.0	<5.0	<5.0
18	5.3	<5.0	<5.0	511	<5.0	5.9	8.3	<5.0	5.1	63	<5.0	21
19	5.7	<5.0	<5.0	>2200	152	230	7.1	<5.0	<5.0	9.5	<5.0	<5.0
20	6.3	<5.0	<5.0	168	26	81	5.0	<5.0	<5.0	7.0	<5.0	<5.0
21	<5.0	<5.0	<5.0	26	11	13	<5.0	<5.0	<5.0	6.0	<5.0	<5.0
22	<5.0	<5.0	<5.0	14	8.9	10	6.8	<5.0	<5.0	<5.0	<5.0	<5.0
23	7.3	<5.0	<5.0	11	6.9	8.9	70	<5.0	<5.0	8.1	<5.0	<5.0
24	8.7	<5.0	<5.0	45	7.4	21	348	13	70	<5.0	<5.0	<5.0
25	5.6	<5.0	<5.0	29	5.6	8.2	14	5.4	6.8	853	<5.0	237
26	152	<5.0	<5.0	8.2	<5.0	5.7	6.5	<5.0	5.2	---	---	---
27	122	6.6	25	313	<5.0	5.6	7.2	<5.0	<5.0	---	---	---
28	9.0	<5.0	<5.0	207	23	55	7.5	<5.0	<5.0	12	<5.0	5.6
29	5.4	<5.0	<5.0	26	6.8	9.3	6.7	<5.0	<5.0	6.8	<5.0	<5.0
30	<5.0	<5.0	<5.0	10	5.2	6.1	34	<5.0	11	36	<5.0	<5.0
31	<5.0	<5.0	<5.0	---	---	---	7.0	<5.0	<5.0	5.5	<5.0	<5.0
MAX	218	9.2	106	2200	152	230	691	20	146	---	---	---
MIN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	<5.0	<5.0	<5.0	---	---	---	6.9	<5.0	<5.0	37	6.8	16
2	426	<5.0	<5.0	---	---	---	20	<5.0	<5.0	1480	18	281
3	210	7.3	31	<5.0	<5.0	<5.0	10	<5.0	<5.0	186	14	33
4	8.2	<5.0	<5.0	<5.0	<5.0	<5.0	11	<5.0	<5.0	15	7.7	10
5	11	<5.0	<5.0	<5.0	<5.0	<5.0	7.9	<5.0	<5.0	37	6.9	12
6	820	<5.0	137	71	<5.0	11	12	<5.0	<5.0	20	6.3	8.6
7	132	8.3	33	8.0	<5.0	<5.0	12	<5.0	<5.0	16	7.5	8.7
8	14	<5.0	5.6	<5.0	<5.0	<5.0	16	<5.0	<5.0	28	7.3	11
9	7.3	<5.0	<5.0	<5.0	<5.0	<5.0	6.1	<5.0	<5.0	50	8.8	19
10	5.5	<5.0	<5.0	<5.0	<5.0	<5.0	23	<5.0	<5.0	26	8.8	11
11	8.0	<5.0	<5.0	<5.0	<5.0	<5.0	15	<5.0	5.0	64	8.7	16
12	788	<5.0	136	<5.0	<5.0	<5.0	2000	<5.0	<5.0	>2200	9.6	19
13	74	8.4	14	5.4	<5.0	<5.0	1470	116	201	747	48	150
14	67	7.1	30	<5.0	<5.0	<5.0	144	13	33	514	19	41
15	600	10	67	5.3	<5.0	<5.0	28	5.5	7.6	338	15	20
16	61	8.3	17	16	<5.0	6.2	14	<5.0	5.4	54	12	19
17	54	<5.0	6.2	<5.0	<5.0	<5.0	13	<5.0	<5.0	95	12	17
18	17	<5.0	5.0	8.9	<5.0	<5.0	5.8	<5.0	<5.0	589	13	54
19	26	<5.0	12	9.7	<5.0	<5.0	7.0	<5.0	<5.0	64	13	22
20	28	<5.0	<5.0	<5.0	<5.0	<5.0	8.1	<5.0	<5.0	57	10	14
21	20	<5.0	<5.0	16	<5.0	<5.0	6.3	<5.0	<5.0	39	11	14
22	19	<5.0	<5.0	9.9	<5.0	<5.0	6.0	<5.0	<5.0	33	10	13
23	5.0	<5.0	<5.0	7.1	<5.0	<5.0	7.0	<5.0	<5.0	36	11	14
24	13	<5.0	<5.0	14	<5.0	<5.0	11	<5.0	<5.0	---	---	---
25	9.8	<5.0	<5.0	9.6	<5.0	<5.0	20	<5.0	5.4	---	---	---
26	46	5.7	10	13	<5.0	<5.0	38	<5.0	8.8	---	---	---
27	23	6.0	7.9	12	<5.0	<5.0	14	6.2	8.0	15	9.4	11
28	6.8	<5.0	<5.0	7.6	<5.0	<5.0	13	5.5	7.2	15	9.1	11
29	6.4	<5.0	<5.0	10	<5.0	<5.0	36	<5.0	8.7	16	8.4	11
30	---	---	---	94	<5.0	16	15	<5.0	5.0	33	10	21
31	---	---	---	17	<5.0	6.3	---	---	---	270	12	49
MAX	820	10	137	---	---	---	2000	116	201	---	---	---
MIN	5.0	5.0	5.0	---	---	---	5.8	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	36	8.8	13	1480	7.0	11	12	6.6	8.6	98	6.6	23
2	12	7.2	9.2	370	26	87	14	6.8	8.2	>2200	13	119
3	16	7.3	9.2	28	8.8	12	12	7.0	8.8	71	16	28
4	13	7.0	8.9	14	7.5	9.2	12	6.2	7.7	24	11	14
5	13	7.1	8.8	18	5.8	8.2	251	8.3	17	16	7.6	9.7
6	14	6.7	8.6	8.9	<5.0	6.3	132	11	20	54	6.8	8.6
7	26	7.3	8.7	15	<5.0	5.6	15	6.1	8.2	>2200	14	526
8	17	7.3	9.2	8.5	<5.0	5.4	46	6.0	7.5	378	42	69
9	12	6.8	8.3	7.1	<5.0	5.2	9.7	5.0	6.0	45	17	27
10	11	6.9	8.5	7.3	<5.0	5.4	12	5.1	6.3	88	13	18
11	12	6.6	8.8	32	<5.0	5.8	8.3	<5.0	5.2	83	7.8	10
12	88	7.4	9.1	9.4	<5.0	5.6	>2200	5.0	227	18	6.1	7.8
13	641	28	98	8.6	<5.0	5.3	387	43	116	24	5.5	6.8
14	145	9.2	20	8.5	<5.0	5.8	43	18	23	64	<5.0	9.1
15	273	20	41	12	<5.0	5.6	19	12	14	17	5.1	6.8
16	22	7.0	9.3	11	<5.0	<5.0	16	9.8	12	>2200	6.9	29
17	23	7.0	8.8	1160	<5.0	<5.0	13	8.5	11	2180	43	94
18	10	6.1	7.8	664	36	86	12	8.1	9.4	43	17	25
19	13	5.7	7.4	36	7.6	11	12	7.5	9.3	20	9.0	12
20	15	6.2	7.8	8.7	5.1	6.7	20	7.8	12	19	5.9	8.2
21	876	6.9	26	11	<5.0	5.9	18	7.6	12	---	---	---
22	380	17	59	7.2	<5.0	5.5	10	6.3	7.7	---	---	---
23	657	15	46	6.8	<5.0	<5.0	11	6.1	7.5	---	---	---
24	688	38	92	10	<5.0	<5.0	12	6.2	8.0	12	<5.0	<5.0
25	>2200	74	261	16	<5.0	<5.0	9.1	6.5	7.6	8.4	<5.0	<5.0
26	162	23	34	25	<5.0	10	18	6.5	9.1	8.6	<5.0	<5.0
27	>2200	10	25	1510	<5.0	5.2	13	6.3	8.1	>2200	<5.0	7.3
28	751	64	162	1220	20	65	11	5.3	7.0	398	30	68
29	64	14	22	787	7.7	14	9.0	5.2	6.7	32	11	19
30	17	9.7	13	421	19	41	12	5.4	7.2	322	8.0	12
31	---	---	---	25	8.3	11	10	5.7	6.9	---	---	---
MAX	2200	74	261	1510	36	87	2200	43	227	---	---	---
MIN	10	5.7	7.4	6.8	5.0	5.0	8.3	5.0	5.2	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA

LOCATION.—Lat 34°04'56", long 83°51'17", referenced to North American Datum (NAD) 1927 Gwinnett County, Hydrologic Unit 03070101, at concrete box culvert on Bill Cheek Road, 4 miles north of Auburn, GA.

DRAINAGE AREA.—1.31 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 25, 2001 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)
OCT													
03...	0855	--	9	81213	.95	1.26	--	--	7.0	--	--	290	--
DEC													
22...	1100	--	9	81213	1.6	1.30	--	--	3.9	--	--	180	--
FEB													
06-06	1155	1200	J	81213	18	1.85	--	--	790	--	--	E450	--
MAR													
02...	1030	--	9	81213	1.6	1.30	--	--	6.3	--	--	62	--
23...	0955	--	9	81213	1.4	1.29	--	--	4.1	--	--	130	--
APR													
13-13	0625	0630	J	81213	11	1.71	--	--	520	--	--	2700	--
MAY													
24...	1010	--	9	81213	.74	1.23	--	--	12	--	--	1300	--
MAY													
31-31	1205	1210	J	81213	2.1	1.32	--	--	200	--	--	5300	--
JUL													
07...	0815	--	9	81213	.74	1.24	--	--	11	.4	<5	180	3.00
AUG													
12-12	0940	0950	J	80855	18	1.85	--	790	970	7.9	E16	22000	1.30
SEP													
02-02	0118	0419	J	80855	--	--	3300	1400	--	11.0	25	34000	1.50
SEP													
07-07	0340	0720	J	80855	--	--	3600	640	--	4.3	E7	11000	.83

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Hard-ness, water, mg/L as CaCO3 (00900)	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)
OCT													
03...	--	--	--	43	5	2	.60	.880	A.010	<.20	<.02	<.02	--
DEC													
22...	--	--	--	41	<1	<1	.92	.920	A.014	<.20	<.02	<.02	--
FEB													
06-06	--	--	--	36	500	74	.50	.500	A.221	1.4	<.02	.28	--
MAR													
02...	--	--	--	38	7	2	.81	.810	A.008	<.20	<.02	<.02	--
23...	--	--	--	48	<1	<1	.84	.870	A.013	<.20	<.02	<.02	--
APR													
13-13	--	--	--	35	359	53	.39	.390	A.197	1.4	<.02	.24	--
MAY													
24...	--	--	--	44	7	3	.87	.870	A.037	.30	<.02	<.02	--
MAY													
31-31	--	--	--	49	115	19	.56	.580	A.080	.70	<.02	.12	--
JUL													
07...	11	.74	--	49	4	1	.86	.930	A.028	<.20	<.02	<.02	<.5
AUG													
12-12	9	.32	.6	150	1300	180	1.20	.310	.180	2.0	E.026	.250	<5
SEP													
02-02	28	.36	3.9	190	5400	730	.390	.360	.210	1.5	<.050	.170	<5
SEP													
07-07	27	.23	4.1	180	3800	480	.340	.360	E.041	<.50	<.050	.230	<5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Organic carbon, water, unfltrd mg/L (00680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT								
03...	--	--	--	--	--	1.8	--	4
DEC								
22...	--	--	--	--	--	1.1	--	2
FEB								
06-06	--	--	--	--	--	3.6	85	635
MAR								
02...	--	--	--	--	--	1.0	--	11
23...	--	--	--	--	--	.8	--	1
APR								
13-13	--	--	--	--	--	3.7	90	377
MAY								
24...	--	--	--	--	--	1.6	--	7
MAY								
31-31	--	--	--	--	--	5.2	77	127
JUL								
07...	<1	<2	<2	73	2	2.1	--	4
AUG								
12-12	E2	M	M	560	30	--	90	1180
SEP								
02-02	42	30	100	2000	390	--	92	3800
SEP								
07-07	45	30	200	1600	350	--	88	4060

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
03...	0859	9	9.00	.95	1.26	96	10.1	6.9	55	12.2	8.6	--	--
03...	0900	9	6.00	.95	1.26	96	10.1	6.9	55	12.2	8.4	--	--
03...	0901	9	3.00	.95	1.26	96	10.1	6.9	55	12.2	8.2	--	--
DEC													
22...	1106	9	2.00	1.6	1.30	99	12.4	7.0	52	5.1	4.8	--	7
22...	1107	9	4.00	1.6	1.30	99	12.4	7.0	52	5.1	5.0	--	8
22...	1108	9	6.00	1.6	1.30	99	12.4	7.0	52	5.1	4.8	--	7
FEB													
06...	1204	J	9.00	18	1.85	117	14.6	6.8	57	5.6	760	81	604
06...	1205	J	6.00	18	1.85	117	14.6	6.8	57	5.6	730	83	409
06...	1206	J	3.00	18	1.85	117	14.6	6.8	57	5.6	720	91	565
MAR													
02...	1034	9	4.00	1.6	1.30	106	11.4	6.6	48	12.6	5.0	--	--
02...	1035	9	7.00	1.6	1.30	106	11.3	6.6	48	12.6	5.1	--	--
02...	1036	9	10.0	1.6	1.30	105	11.3	6.6	48	12.6	5.3	--	--
23...	1010	9	2.00	1.4	1.29	137	16.4	6.7	51	7.1	5.4	--	--
23...	1011	9	5.00	1.4	1.29	137	16.4	6.7	51	7.1	3.7	--	--
23...	1012	9	8.00	1.4	1.29	136	16.3	6.7	51	7.1	5.7	--	--
APR													
13...	0636	J	10.0	11	1.71	94	10.0	6.7	44	12.3	540	86	372
13...	0637	J	6.00	11	1.71	93	10.0	6.7	44	12.3	540	89	347
13...	0638	J	2.00	10	1.69	93	10.0	6.7	44	12.3	490	88	336
MAY													
24...	1014	9	6.00	.74	1.23	92	8.4	6.3	54	18.7	14	--	--
24...	1015	9	4.00	.74	1.23	92	8.4	6.2	54	18.7	14	--	--
24...	1016	9	2.00	.74	1.23	92	8.4	6.2	54	18.7	15	--	--
31...	1214	J	7.50	2.1	1.32	93	8.2	6.4	58	20.2	--	79	128
31...	1215	J	5.00	2.1	1.32	94	8.3	6.4	58	20.2	--	79	128
31...	1216	J	2.50	2.1	1.32	96	8.4	6.5	58	20.2	--	79	128
JUL													
07...	0828	9	7.00	.74	1.24	94	8.3	6.8	57	20.4	12	--	--
07...	0829	9	5.00	.74	1.24	91	8.0	6.8	57	20.4	10	--	--
07...	0830	9	3.00	.74	1.24	90	7.9	6.8	57	20.4	8.7	--	--
AUG													
12...	0950	J	3.00	18	1.85	104	9.2	6.2	28	20.9	1200	91	1060
12...	0951	J	7.00	18	1.85	103	9.2	6.2	28	20.9	1200	84	1160
12...	0952	J	11.0	18	1.85	103	9.2	6.2	28	20.9	1200	90	1040
SEP													
02...	1001	J	7.50	3.1	1.41	111	9.8	6.6	38	21.5	160	91	102
02...	1002	J	5.00	3.1	1.41	111	9.8	6.6	38	21.5	150	94	96
02...	1003	J	2.50	3.1	1.41	111	9.8	6.6	38	21.5	160	93	98
07...	0945	J	7.50	56	2.25	--	--	5.6	26	21.6	1000	54	2290
07...	0946	J	5.00	56	2.25	--	--	5.5	26	21.6	1100	69	1840
07...	0947	J	2.50	56	2.25	--	--	5.5	26	21.6	1100	78	1610

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

ALTAMAHA RIVER BASIN
2004 Water Year

02217297 MULBERRY RIVER NEAR WINDER, GA

LOCATION.—Lat 34°02'45", long 83°42'42", referenced to North American Datum (NAD) of 1927, Barrow County, Hydrologic Unit 03070101, 0.2 miles downstream from Hawk Creek, 1.1 miles upstream of Indian Creek, and 3.5 miles north of Winder.

DRAINAGE AREA.—109 square miles.

COOPERATION.—City of Winder.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 9, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 660.00 feet (from topographic map).

RATING.—Rating Number 3.0, effective May 31, 2002 to current year.

REMARKS.—Records fair. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/01/03	4.18	68.8
12/01/03	4.38	110
04/07/04	4.15	81.2
07/12/04	3.88	55.6

ALTAMAHA RIVER BASIN
2004 Water Year

02217380 MULBERRY RIVER AT GA 11, NEAR WINDER, GA

LOCATION.—Lat 34°03'08", long 83°39'49", referenced to North American Datum (NAD) of 1927, Barrow-Jackson County, Hydrologic Unit 03070101, at GA Highway 11, 4.5 miles northeast of Winder.

DRAINAGE AREA.—142 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1976, November 30, 1983 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 675.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REVISIONS.—Annual peaks from 1976 to 2002, due to reference point change.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 19.35 feet, July 2, 2003
DISCHARGE: 7,250 cfs, July 2, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 14.46 feet, September 7
DISCHARGE: 4,240 cfs, September 7

ALTAMAHA RIVER BASIN
2004 Water Year

02217400 MULBERRY RIVER TRIBUTARY NEAR WINDER, GA

LOCATION.—Lat 34°03'53", long 83°39'45", referenced to North American Datum (NAD) of 1927, Jackson County, Hydrologic Unit 03070101, at culvert on GA 11, 6.0 miles northeast of Winder.

DRAINAGE AREA.—2.68 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1965 to February 3, 2004.

GAGE.—Crest-stage partial-record gage. Datum of gage is 740.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined. The probable peak for 2004 water year occurred on September 7, 2004.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.31 feet, February 10, 1990
DISCHARGE: 1,690 cfs, February 10, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: <1.98 feet, Not determined, peak below bottom of gage
DISCHARGE: <160 cfs, Not determined, peak below bottom of gage

2004 Water Year

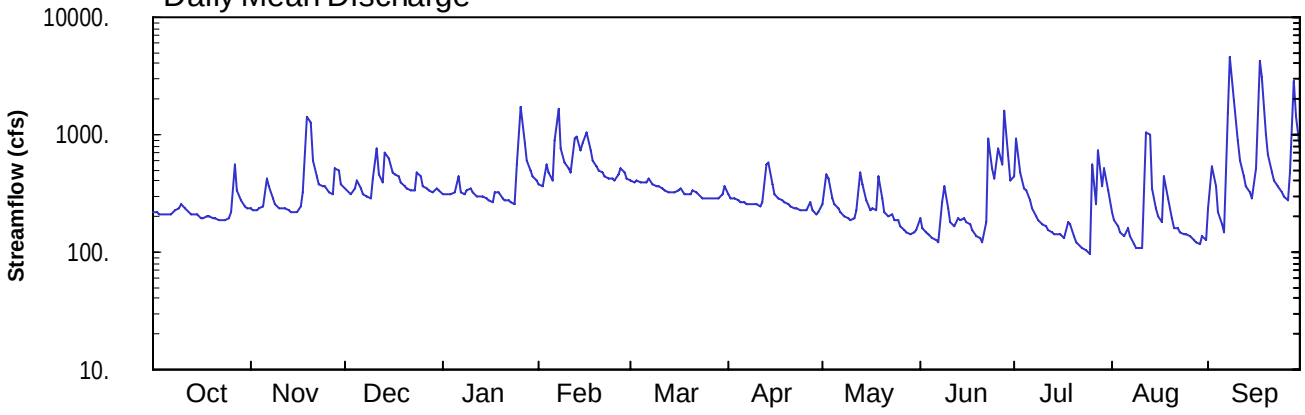
ALTAMAHA RIVER BASIN

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA

Latitude: 34°01'54" Longitude: 083°33'48" Hydrologic Unit Code: 03070101

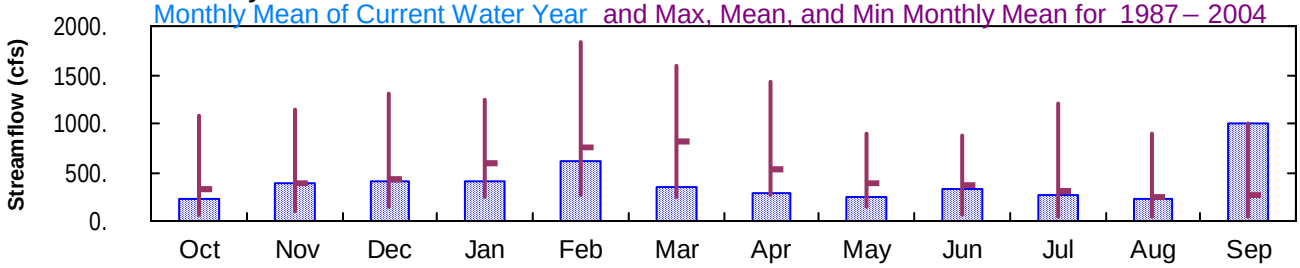
Jackson County Datum: 656.52 feet Drainage Area: 332. mi²

Daily Mean Discharge

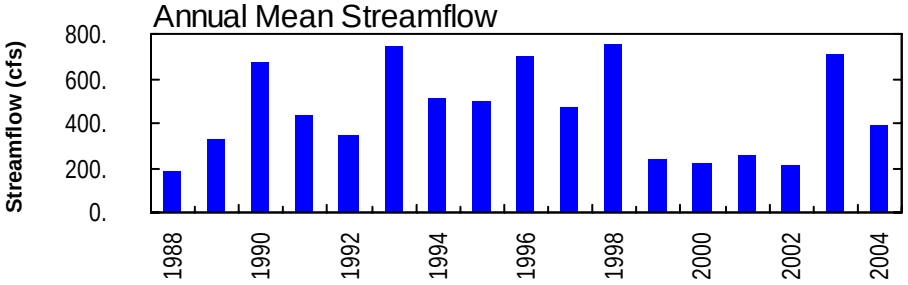


Monthly Statistics

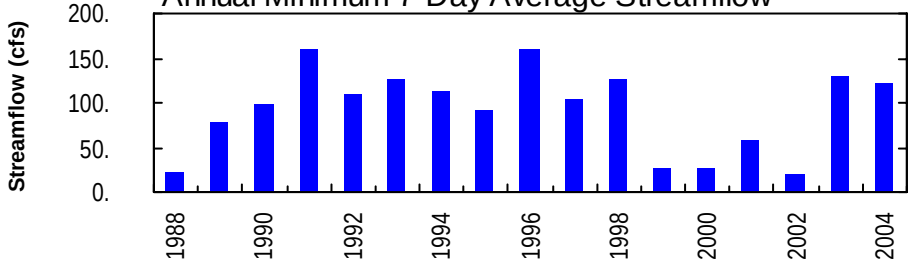
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1987 – 2004

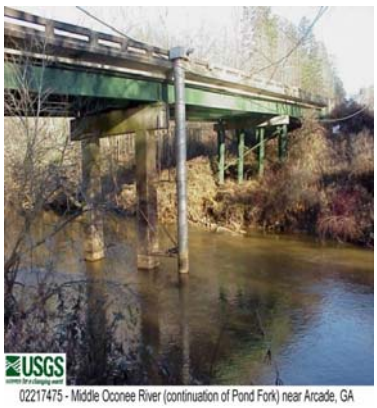


Annual Mean Streamflow

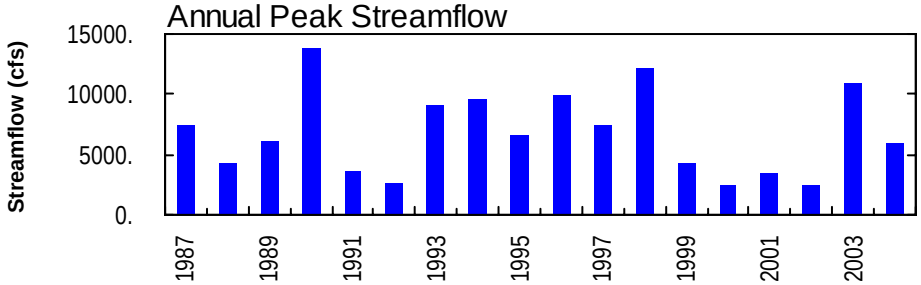


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA

LOCATION.—Lat 34°01'54", long 83°33'48", referenced to North American Datum (NAD) of 1983, Jackson-Barrow County line, Hydrologic Unit 03070101, on downstream side of bridge on GA 82, 1.7 miles downstream from Mulberry River, 3.6 miles upstream from Redstone Creek, and 3.2 miles south of Arcade.

DRAINAGE AREA.—332 square miles.

COOPERATION.—Oglethorpe Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1987 to current year.

REVISED RECORDS.—WDR GA-96-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 656.52 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good, except for the periods of estimated discharge which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/08	1400	5,040	16.28
09/17	2115	5,930*	17.61*

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA —continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 656.52 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.61 feet, September 17; minimum gage-height recorded, 1.86 feet, July 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 157
LATITUDE 340154 LONGITUDE 0833348 NAD83 DRAINAGE AREA 332 CONTRIBUTING DRAINAGE AREA 332* DATUM 656.52 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e220	235	343	314	378	400	307	253	194	434	220	232
2	e220	228	320	310	358	395	289	464	160	909	187	532
3	e210	224	307	313	556	406	281	428	145	481	166	368
4	209	234	347	312	474	399	273	285	140	348	146	215
5	208	241	411	327	402	386	265	250	134	341	136	171
6	206	431	351	440	905	393	260	235	126	271	158	148
7	212	357	315	e320	1630	424	e258	216	122	233	136	1540
8	223	283	299	e310	771	382	e257	206	264	205	116	4500
9	233	254	292	329	586	358	254	193	366	188	109	1950
10	254	239	423	355	514	366	252	189	237	176	110	885
11	236	235	747	318	469	346	249	193	181	164	107	593
12	e230	236	462	298	943	332	267	230	166	154	1030	441
13	e212	231	397	298	944	323	565	484	192	150	1010	364
14	e210	219	694	295	735	319	576	370	184	142	351	320
15	209	219	621	290	857	326	372	272	191	142	240	292
16	196	219	478	277	1060	342	316	230	181	140	199	525
17	197	243	466	270	730	344	289	237	170	131	180	4250
18	202	320	439	316	611	314	274	230	153	181	443	3050
19	201	1430	391	328	545	313	266	440	139	172	290	1020
20	196	1270	365	289	496	306	254	283	132	137	192	676
21	194	602	346	279	474	330	245	221	122	123	163	485
22	190	443	331	272	446	317	237	200	179	113	157	403
23	186	375	e330	263	424	297	232	213	935	107	146	356
24	186	359	e480	258	421	291	229	189	521	103	143	320
25	192	368	446	548	413	289	224	185	417	96	140	293
26	218	322	365	1710	451	290	227	166	752	564	134	277
27	560	312	343	856	508	288	263	155	563	257	126	485
28	337	508	339	614	469	288	229	148	1600	722	121	2850
29	272	486	327	503	421	284	213	143	680	358	119	1400
30	248	372	342	445	---	315	218	145	411	508	135	755
31	238	---	336	404	---	364	---	155	---	340	125	---
TOTAL	7105	11495	12453	12461	17991	10527	8441	7608	9757	8390	7035	29696
MEAN	229	383	402	402	620	340	281	245	325	271	227	990
MAX	560	1430	747	1710	1630	424	576	484	1600	909	1030	4500
MIN	186	219	292	258	358	284	213	143	122	96	107	148
CFSM	0.69	1.15	1.21	1.21	1.87	1.02	0.85	0.74	0.98	0.82	0.68	2.98
IN.	0.80	1.29	1.40	1.40	2.02	1.18	0.95	0.85	1.09	0.94	0.79	3.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	324	390	433	601	745	814	524	394	359	298	248	260
MAX	1083	1141	1300	1244	1830	1600	1438	891	880	1213	900	990
(WY)	1996	1993	1993	1993	1998	1990	1998	1998	2003	2003	1994	2004
MIN	51.7	96.7	145	247	255	248	261	142	53.8	32.9	32.4	50.8
(WY)	1988	2002	2002	1989	1989	1988	1999	1988	1988	1988	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	230446		142959			
ANNUAL MEAN	631		391		452	
HIGHEST ANNUAL MEAN					755	1998
LOWEST ANNUAL MEAN					185	1988
HIGHEST DAILY MEAN	9300	Jul 2	4500	Sep 8	10600	Mar 18 1990
LOWEST DAILY MEAN	179	Sep 21	96	Jul 25	16	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	192	Oct 19	122	Jul 19	21	Aug 8 2002
MAXIMUM PEAK FLOW			5930	Sep 17	13800	Mar 18 1990
MAXIMUM PEAK STAGE			17.61	Sep 17	25.34	Mar 18 1990
INSTANTANEOUS LOW FLOW			94	Jul 25	18	Aug 13 2002
ANNUAL RUNOFF (CFSM)	1.90		1.18		1.36	
ANNUAL RUNOFF (INCHES)	25.82		16.02		18.50	
10 PERCENT EXCEEDS	1040		612		859	
50 PERCENT EXCEEDS	444		292		290	
90 PERCENT EXCEEDS	224		147		104	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 157
LATITUDE 340154 LONGITUDE 0833348 NAD83 DRAINAGE AREA 332 CONTRIBUTING DRAINAGE AREA 332* DATUM 656.52 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.86	3.43	3.29	3.59	3.69	3.25	2.97	2.61	3.82	2.77	2.65
2	---	2.82	3.32	3.27	3.50	3.67	3.16	3.92	2.39	5.45	2.57	4.22
3	---	2.80	3.25	3.28	4.29	3.71	3.12	3.79	2.28	4.02	2.43	3.52
4	2.71	2.86	3.44	3.28	3.99	3.68	3.08	3.14	2.24	3.45	2.28	2.74
5	2.70	2.90	3.73	3.35	3.70	3.63	3.03	2.95	2.19	3.42	2.21	2.46
6	2.69	3.80	3.47	3.86	5.40	3.65	3.01	2.86	2.13	3.06	2.37	2.30
7	2.81	3.49	3.29	---	7.84	3.79	---	2.75	2.10	2.85	2.21	7.30
8	2.88	3.13	3.21	---	5.03	3.61	---	2.69	2.96	2.69	2.05	15.33
9	2.93	2.97	3.18	3.36	4.42	3.50	2.97	2.61	3.53	2.58	1.99	8.75
10	3.05	2.89	3.74	3.48	4.15	3.53	2.96	2.58	2.87	2.50	2.00	5.37
11	2.87	2.87	4.94	3.31	3.98	3.44	2.94	2.61	2.53	2.41	1.98	4.44
12	---	2.87	3.95	3.21	5.53	3.38	3.04	2.83	2.42	2.35	5.62	3.86
13	---	2.84	3.67	3.21	5.56	3.33	4.23	3.98	2.60	2.31	5.80	3.52
14	---	2.77	4.74	3.19	4.92	3.31	4.36	3.55	2.55	2.25	3.46	3.32
15	2.71	2.77	4.53	3.16	5.29	3.35	3.56	3.07	2.60	2.26	2.89	3.18
16	2.63	2.77	4.01	3.10	5.91	3.42	3.30	2.84	2.53	2.24	2.65	3.99
17	2.63	2.91	3.96	3.06	4.90	3.43	3.16	2.88	2.46	2.17	2.52	14.54
18	2.67	3.32	3.85	3.30	4.51	3.29	3.08	2.83	2.33	2.53	3.74	11.61
19	2.66	7.15	3.65	3.35	4.27	3.28	3.04	3.83	2.23	2.47	3.15	5.78
20	2.63	6.65	3.53	3.16	4.08	3.25	2.97	3.13	2.18	2.22	2.60	4.72
21	2.62	4.47	3.44	3.11	4.00	3.36	2.92	2.78	2.10	2.11	2.41	4.04
22	2.59	3.87	3.37	3.07	3.88	3.30	2.88	2.66	2.51	2.03	2.37	3.70
23	2.56	3.57	---	3.02	3.79	3.20	2.85	2.73	5.45	1.97	2.29	3.49
24	2.56	3.50	---	2.99	3.78	3.17	2.83	2.59	4.17	1.94	2.26	3.32
25	2.60	3.54	3.88	4.11	3.75	3.16	2.80	2.56	3.75	1.87	2.24	3.18
26	2.76	3.33	3.53	8.10	3.90	3.17	2.82	2.43	4.95	4.20	2.20	3.10
27	4.31	3.28	3.43	5.29	4.13	3.16	3.02	2.35	4.27	2.97	2.14	3.86
28	3.39	4.10	3.41	4.51	3.98	3.16	2.83	2.30	7.72	4.72	2.10	11.64
29	3.07	4.04	3.35	4.11	3.78	3.14	2.74	2.27	4.72	3.48	2.07	7.06
30	2.94	3.56	3.42	3.88	---	3.29	2.77	2.28	3.73	4.12	2.20	4.97
31	2.88	---	3.39	3.70	---	3.52	---	2.35	---	3.40	2.12	---
MEAN	---	3.49	---	---	4.48	3.41	---	2.87	3.10	2.90	2.64	5.40
MAX	---	7.15	---	---	7.84	3.79	---	3.98	7.72	5.45	5.80	15.33
MIN	---	2.77	---	---	3.50	3.14	---	2.27	2.10	1.87	1.98	2.30

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 157
LATITUDE 340154 LONGITUDE 0833348 NAD83 DRAINAGE AREA 332 CONTRIBUTING DRAINAGE AREA 332* DATUM 656.52 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.00	0.00	0.00	0.00	0.20	---	---	0.00	0.01
2	---	0.00	0.00	0.00	0.43	0.00	0.00	1.04	---	---	0.01	0.46
3	---	0.00	0.01	0.00	0.03	0.00	0.00	0.00	---	---	0.00	0.00
4	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
5	0.00	0.00	0.00	0.52	0.04	0.00	0.00	0.00	---	---	0.44	0.00
6	0.00	0.00	0.00	0.00	1.02	0.14	0.00	0.00	---	---	0.00	0.10
7	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	---	---	0.00	3.84
8	0.04	0.00	0.01	0.04	0.00	0.00	0.00	0.00	---	---	0.00	0.12
9	---	0.00	0.00	0.21	0.00	0.02	0.00	0.00	---	---	0.00	0.01
10	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
11	0.06	0.00	0.00	0.00	0.10	0.00	0.07	0.22	---	---	0.00	0.00
12	---	0.00	0.00	0.00	0.89	0.00	0.13	0.18	---	---	2.62	0.00
13	---	0.00	0.45	0.00	0.00	0.00	0.42	0.10	---	0.00	0.00	0.00
14	---	0.00	0.33	0.00	0.53	0.00	0.02	0.00	---	0.03	0.00	0.00
15	0.00	0.00	0.00	0.00	0.40	0.01	0.00	0.00	---	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.04	---	0.00	0.00	3.19
17	0.01	0.00	0.13	0.08	0.00	0.00	0.00	0.01	---	0.21	0.00	0.56
18	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	---	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	---	0.00	0.10	0.00
21	0.00	0.01	0.00	0.00	0.02	0.06	0.00	0.00	---	0.00	0.01	0.00
22	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.13	---	0.00	0.00	0.00
23	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
24	0.00	0.22	0.02	0.00	0.05	0.01	0.00	0.00	---	0.00	0.38	0.00
25	0.00	0.00	0.00	1.74	0.24	0.00	0.00	0.00	---	0.94	0.00	0.00
26	0.00	0.00	0.00	0.01	0.07	0.00	0.28	0.00	---	0.47	0.00	0.00
27	0.00	0.42	0.00	0.17	0.37	0.00	0.00	0.00	---	0.03	0.00	3.22
28	0.00	0.50	0.00	0.00	0.01	0.00	0.00	0.04	---	0.01	0.00	0.04
29	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	---	1.20	0.02	0.00
30	0.00	0.00	0.06	0.00	---	0.49	0.06	0.00	---	0.01	0.01	0.01
31	0.00	---	0.00	0.00	---	0.01	---	---	---	0.00	0.00	---
TOTAL	---	1.16	2.80	3.01	4.21	0.89	0.98	---	---	---	3.59	11.56

2004 Water Year

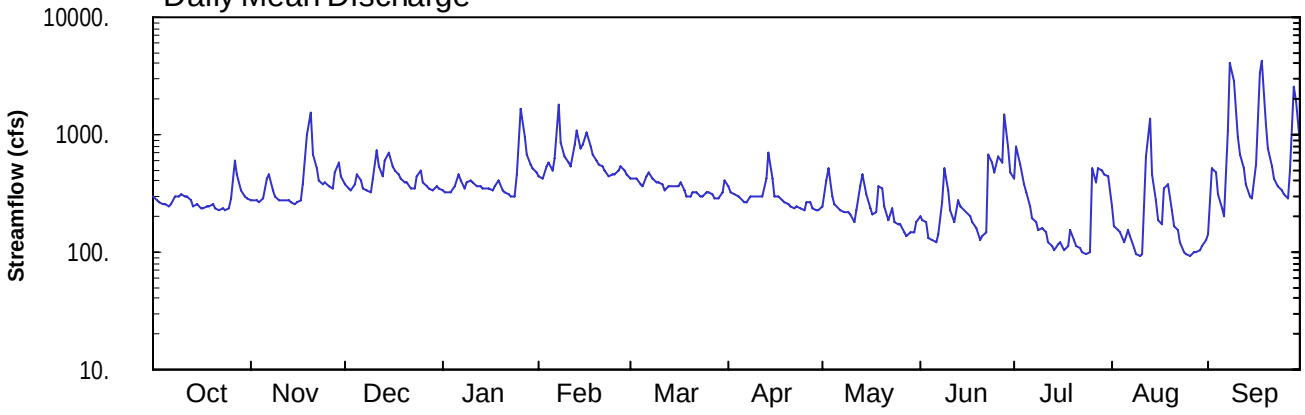
ALTAMAHA RIVER BASIN

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA

Latitude: 33°56'48" Longitude: 083°25'22" Hydrologic Unit Code: 03070101

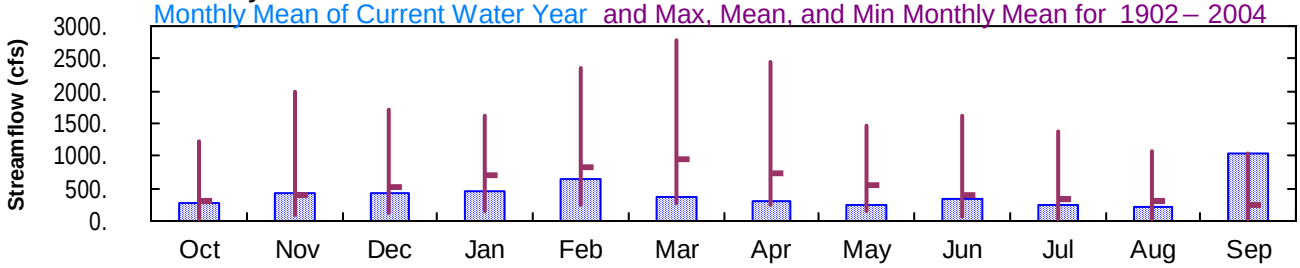
Clarke County Datum: 555.66 feet Drainage Area: 398. mi²

Daily Mean Discharge

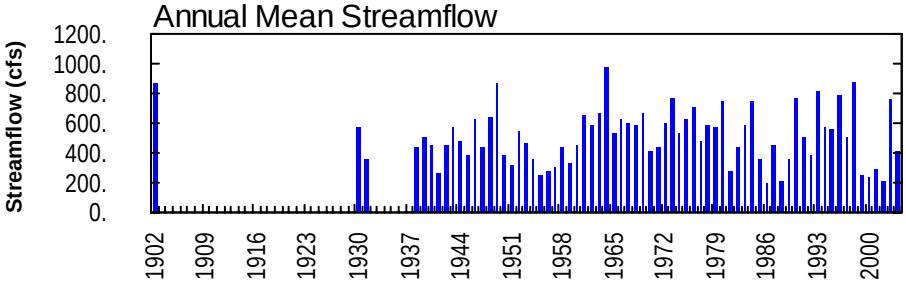


Monthly Statistics

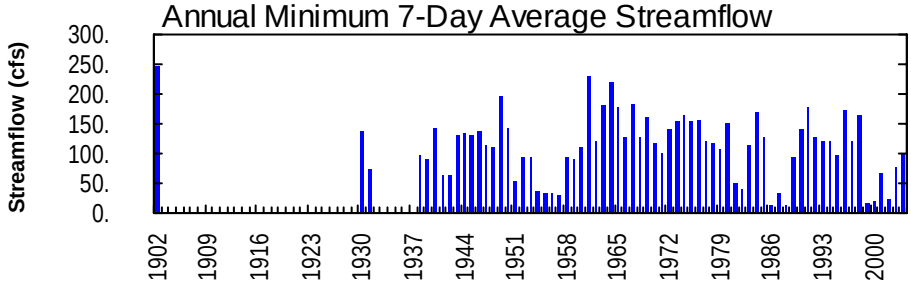
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1902 – 2004



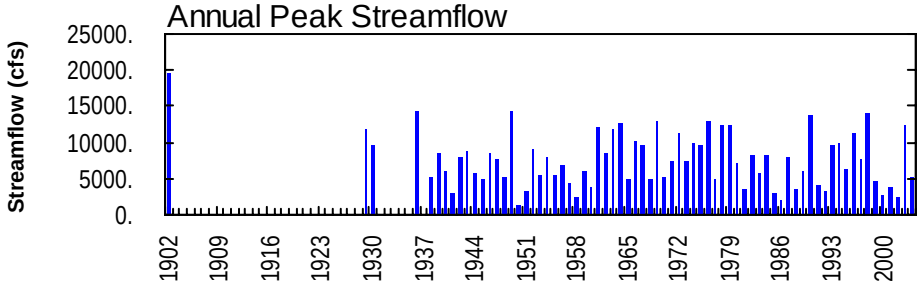
Annual Mean Streamflow

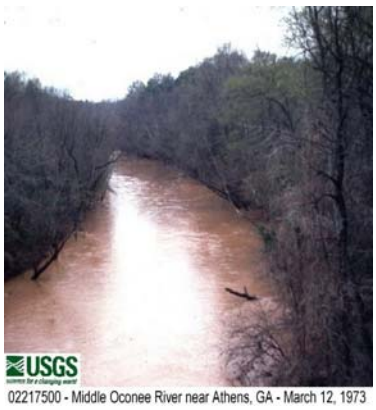


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02217500 - Middle Oconee River near Athens, GA - March 12, 1973

ALTAMAHA RIVER BASIN
2004 Water Year

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA

LOCATION.—Lat 33°56'48", long 83°25'22" (revised), referenced to North American Datum (NAD) of 1983, Clarke County, Hydrologic Unit 03070101, on left bank 0.5 miles upstream from US 78 and US 29 Business, 2.0 miles west of Athens, and 5.0 miles upstream from Barber Creek.

DRAINAGE AREA.—398 square miles.

COOPERATION.—Upper Oconee Water Authority.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1901 to September 1902, January 1929 to March 1932, May 1937 to current year.

REVISED RECORDS.—WDR GA-95-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 555.66 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 11, 1901 to October 25, 1902, a non-recording gage was located at site 1.0 mile upstream at different datum. From January 16, 1929 to March 15, 1932, and from April 29, 1937 to September 30, 1940, a water-stage recorder was located at a site 4.0 miles downstream at different datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/08	2200	4,780	10.70
09/18	0715	5,330*	11.54*

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1901 to September 1902, January 1929 to March 1932, May 1937 to current year.

REVISED RECORDS.—WDR GA-95-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 555.66 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 11, 1901 to October 25, 1902, a non-recording gage was located at site 1.0 mile upstream at different datum. From January 16, 1929 to March 15, 1932, and from April 29, 1937 to September 30, 1940, a water-stage recorder was located at a site 4.0 miles downstream at different datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.54 feet, September 18; minimum gage-height recorded, 0.93 feet, July 17, 18, August 27.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335648 LONGITUDE 0832522 NAD83 DRAINAGE AREA 398.00* CONTRIBUTING DRAINAGE AREA DATUM 555.66 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	295	281	384	330	435	424	357	250	199	423	245	143
2	281	276	354	323	429	416	328	410	190	800	167	513
3	269	271	336	324	545	416	309	508	177	567	151	480
4	258	269	379	324	573	375	298	296	134	380	147	306
5	251	292	451	367	486	363	285	250	126	324	123	237
6	246	427	407	457	630	433	265	236	123	246	155	205
7	256	456	352	406	1800	470	264	230	142	196	137	1070
8	298	334	331	355	846	429	300	217	270	176	108	4110
9	294	297	316	385	647	393	300	218	525	151	96	2850
10	305	281	432	411	569	397	297	210	332	161	94	969
11	301	278	720	393	530	371	294	183	229	148	95	666
12	294	280	542	366	809	333	295	224	177	121	648	506
13	279	275	443	356	1090	364	430	367	279	113	1350	377
14	243	262	596	350	762	357	697	462	241	102	455	301
15	256	257	694	345	838	360	430	311	227	116	277	288
16	240	260	533	344	1050	368	304	232	222	121	189	557
17	237	272	493	330	795	389	295	208	205	105	171	3360
18	243	371	462	367	671	336	280	220	183	111	343	4180
19	250	1010	421	400	600	303	270	356	159	151	379	1200
20	253	1530	388	341	551	294	259	352	127	126	224	765
21	232	671	387	328	525	318	249	246	135	112	164	536
22	231	515	355	308	498	324	238	188	148	110	153	426
23	234	409	353	302	440	304	245	233	684	102	121	366
24	230	380	443	294	461	297	235	179	583	98	100	336
25	233	389	501	452	461	326	226	171	482	98	97	306
26	283	361	395	1630	499	325	268	173	652	515	94	290
27	596	344	365	975	529	308	270	145	570	386	102	486
28	463	473	353	690	500	286	236	139	1500	522	101	2570
29	336	574	339	565	452	285	224	149	782	490	104	1950
30	301	441	356	518	---	320	224	148	481	467	113	845
31	284	---	354	471	---	405	---	177	---	436	125	---
TOTAL	8772	12536	13235	13807	19021	11089	8972	7688	10284	7974	6828	31194
MEAN	283	418	427	445	656	358	299	248	343	257	220	1040
MAX	596	1530	720	1630	1800	470	697	508	1500	800	1350	4180
MIN	230	257	316	294	429	285	224	139	123	98	94	143
CFSM	0.71	1.05	1.07	1.12	1.65	0.90	0.75	0.62	0.86	0.65	0.55	2.61
IN.	0.82	1.17	1.24	1.29	1.78	1.04	0.84	0.72	0.96	0.75	0.64	2.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2004, BY WATER YEAR (WY)

MEAN	304	402	532	705	820	938	724	537	406	340	298	256
MAX	1223	2002	1709	1624	2366	2779	2458	1475	1611	1374	1056	1040
(WY)	1996	1949	1984	1972	1902	1929	1964	1976	1963	2003	1994	2004
MIN	42.3	93.1	118	140	251	285	233	162	63.6	25.3	36.4	44.6
(WY)	1955	2002	2002	1956	1986	1988	1986	1988	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1902 - 2004	
ANNUAL TOTAL	256430		151400			
ANNUAL MEAN	703		414		516	
HIGHEST ANNUAL MEAN					977	1964
LOWEST ANNUAL MEAN					202	1986
HIGHEST DAILY MEAN	10700	Mar 21	4180	Sep 18	19600	Feb 28 1902
LOWEST DAILY MEAN	230	Oct 24	94	Aug 10 a	8.2	Aug 8 1986
ANNUAL SEVEN-DAY MINIMUM	238	Oct 19	102	Aug 24	12	Jul 17 1986
MAXIMUM PEAK FLOW			5330	Sep 18	19600	Feb 28 1902
MAXIMUM PEAK STAGE			11.54	Sep 18	25.50	Feb 28 1902
INSTANTANEOUS LOW FLOW			86	Jul 17 b	17	Sep 13 2002
ANNUAL RUNOFF (CFSM)	1.77		1.04		1.30	
ANNUAL RUNOFF (INCHES)	23.97		14.15		17.60	
10 PERCENT EXCEEDS	1050		649		905	
50 PERCENT EXCEEDS	495		324		345	
90 PERCENT EXCEEDS	290		144		140	

a Also Aug 26
b Also Jul 18, Aug 27

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335648 LONGITUDE 0832522 NAD83 DRAINAGE AREA 398.00* CONTRIBUTING DRAINAGE AREA DATUM 555.66 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.43	1.52	1.72	1.62	1.80	1.78	1.67	1.45	1.32	1.77	1.44	1.15
2	1.41	1.51	1.67	1.61	1.79	1.77	1.62	1.75	1.30	2.45	1.23	1.90
3	1.40	1.50	1.63	1.61	1.97	1.77	1.58	1.91	1.26	2.00	1.18	1.86
4	1.39	1.49	1.71	1.61	2.01	1.71	1.56	1.55	1.12	1.70	1.16	1.57
5	1.39	1.54	1.82	1.69	1.87	1.68	1.53	1.45	1.10	1.61	1.09	1.42
6	1.39	1.78	1.75	1.82	2.14	1.79	1.49	1.42	1.09	1.44	1.19	1.34
7	1.43	1.82	1.66	1.75	4.84	1.85	1.48	1.40	1.14	1.31	1.13	3.23
8	1.53	1.63	1.62	1.67	2.52	1.79	1.56	1.37	1.49	1.26	1.03	9.61
9	1.54	1.56	1.60	1.72	2.14	1.73	1.56	1.37	1.93	1.18	0.98	7.01
10	1.57	1.52	1.79	1.76	2.00	1.74	1.55	1.35	1.62	1.21	0.97	2.79
11	1.56	1.52	2.27	1.73	1.94	1.69	1.55	1.28	1.40	1.17	0.97	2.17
12	1.55	1.52	1.96	1.69	2.47	1.63	1.55	1.39	1.26	1.08	2.22	1.90
13	1.52	1.51	1.81	1.67	3.06	1.68	1.79	1.67	1.51	1.05	3.76	1.70
14	1.43	1.48	2.05	1.66	2.35	1.67	2.23	1.84	1.43	1.00	1.82	1.56
15	1.47	1.47	2.23	1.65	2.50	1.68	1.78	1.58	1.40	1.06	1.51	1.54
16	1.43	1.48	1.94	1.65	2.97	1.69	1.57	1.41	1.38	1.08	1.29	2.04
17	1.42	1.50	1.88	1.63	2.42	1.72	1.55	1.35	1.34	1.01	1.24	8.16
18	1.44	1.69	1.83	1.69	2.18	1.63	1.52	1.38	1.28	1.04	1.59	9.56
19	1.45	3.00	1.77	1.74	2.05	1.57	1.50	1.63	1.21	1.18	1.70	3.33
20	1.46	4.19	1.72	1.64	1.97	1.55	1.47	1.66	1.10	1.09	1.39	2.36
21	1.41	2.18	1.72	1.62	1.93	1.60	1.45	1.44	1.13	1.05	1.22	1.95
22	1.41	1.91	1.67	1.58	1.89	1.61	1.42	1.29	1.17	1.04	1.19	1.78
23	1.41	1.75	1.66	1.57	1.80	1.57	1.44	1.41	2.27	1.00	1.08	1.69
24	1.40	1.71	1.81	1.55	1.83	1.56	1.42	1.27	2.03	0.98	1.00	1.63
25	1.41	1.72	1.90	1.82	1.83	1.62	1.39	1.24	1.87	0.99	0.98	1.57
26	1.52	1.68	1.73	4.43	1.89	1.62	1.49	1.25	2.16	1.92	0.97	1.54
27	2.05	1.65	1.68	2.81	1.93	1.58	1.50	1.16	2.01	1.71	1.00	1.88
28	1.84	1.85	1.66	2.21	1.89	1.53	1.42	1.14	4.10	1.94	1.00	6.62
29	1.63	2.01	1.64	1.99	1.82	1.53	1.39	1.18	2.40	1.88	1.01	5.14
30	1.56	1.80	1.67	1.92	---	1.60	1.39	1.17	1.86	1.84	1.05	2.52
31	1.53	---	1.67	1.84	---	1.75	---	1.26	---	1.79	1.09	---
MEAN	1.50	1.78	1.78	1.84	2.20	1.67	1.55	1.42	1.59	1.38	1.31	3.08
MAX	2.05	4.19	2.27	4.43	4.84	1.85	2.23	1.91	4.10	2.45	3.76	9.61
MIN	1.39	1.47	1.60	1.55	1.79	1.53	1.39	1.14	1.09	0.98	0.97	1.15

2004 Water Year

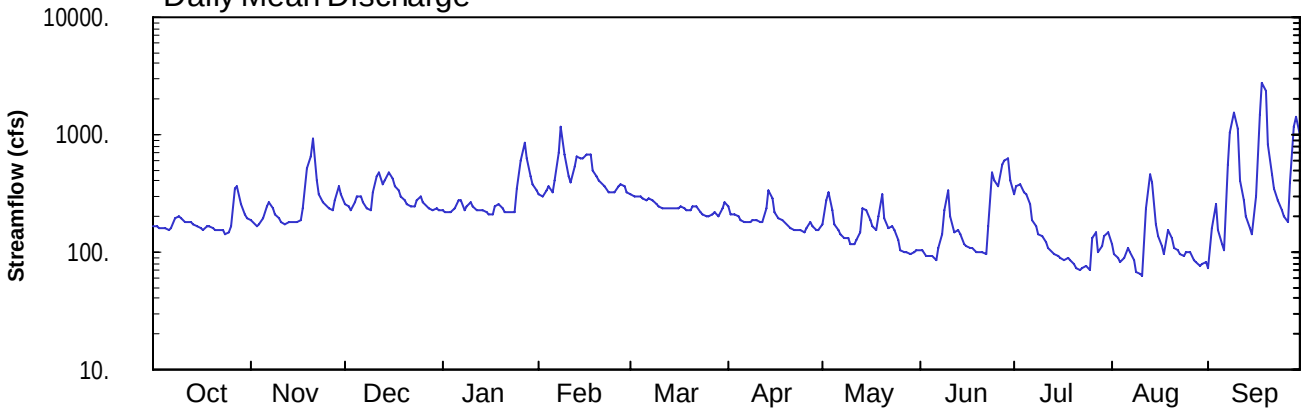
ALTAMAHA RIVER BASIN

02217770 NORTH OCONEE RIVER AT COLLEGE ST, AT ATHENS, GA

Latitude: 33°58'11" Longitude: 083°22'39" Hydrologic Unit Code: 03070101

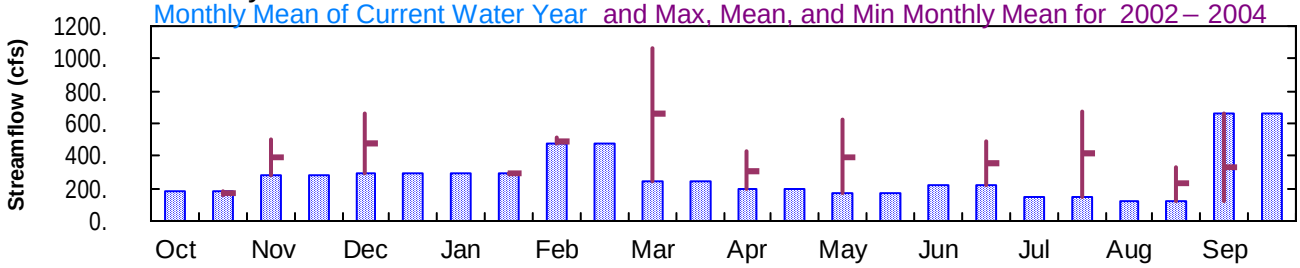
Clarke County Datum: feet Drainage Area: 264. mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2004 Water Year

02217770 NORTH OCONEE RIVER AT COLLEGE STREET, NEAR ATHENS, GA

LOCATION.—Lat 33°58'11", long 83°22'39", referenced to North American Datum (NAD) of 1927, Clarke County, Hydrologic Unit 03070101, at bridge on College Street, 0.4 miles downstream from GA Loop 10.

DRAINAGE AREA.—264 square miles.

COOPERATION.—Athens-Clarke County Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 10, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 600.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 10, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 600.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.00 feet, September 18; minimum gage-height recorded, 3.70 feet, August 11, 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 10, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217770 NORTH OCONEE RIVER AT COLLEGE ST, AT ATHENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335811 LONGITUDE 0832239 NAD27 DRAINAGE AREA 264.10* CONTRIBUTING DRAINAGE AREA DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	188	259	227	315	305	247	174	106	309	119	72
2	164	182	241	219	295	297	213	277	103	365	96	159
3	158	168	227	221	341	303	207	321	92	380	89	252
4	159	172	264	219	357	300	205	230	91	319	81	152
5	157	196	301	241	317	288	190	171	93	304	91	115
6	153	242	294	281	407	278	181	151	84	251	109	104
7	162	264	261	272	711	284	181	141	110	186	100	547
8	197	237	235	229	1180	278	183	133	143	164	87	1050
9	202	211	228	245	670	260	187	131	226	140	67	1530
10	196	192	322	262	448	243	185	119	338	135	65	1120
11	177	180	439	245	392	238	179	119	204	123	64	402
12	183	175	484	226	546	238	180	126	146	110	236	275
13	180	178	376	224	660	239	236	150	154	101	458	201
14	173	177	410	227	638	238	329	237	142	95	385	161
15	168	176	485	221	615	235	289	230	116	92	173	141
16	157	177	425	208	686	239	222	184	111	89	137	302
17	157	188	366	210	678	245	193	169	108	87	111	1470
18	167	232	341	244	503	236	187	152	109	88	97	2750
19	165	506	299	257	436	223	176	203	102	85	152	2350
20	160	655	276	235	401	223	166	309	101	80	129	838
21	152	938	258	216	381	247	159	190	99	74	108	458
22	151	411	243	216	359	241	154	161	96	71	102	351
23	152	314	242	219	327	218	154	168	166	72	98	281
24	144	269	281	218	321	209	156	152	473	75	94	231
25	150	254	300	351	323	204	146	125	413	70	99	205
26	169	237	267	598	363	205	162	105	360	131	101	183
27	355	226	246	872	372	209	177	100	561	148	87	389
28	356	276	240	636	357	215	163	100	605	98	82	1150
29	251	361	229	447	324	204	151	97	625	113	75	1430
30	209	310	233	377	---	239	151	100	410	137	79	1010
31	193	---	228	339	---	263	---	105	---	146	83	---
TOTAL	5686	8292	9300	9202	13723	7644	5709	5130	6487	4638	3854	19679
MEAN	183	276	300	297	473	247	190	165	216	150	124	656
MAX	356	938	485	872	1180	305	329	321	625	380	458	2750
MIN	144	168	227	208	295	204	146	97	84	70	64	72
MED	167	229	267	235	392	239	181	152	129	113	98	327
AC-FT	11280	16450	18450	18250	27220	15160	11320	10180	12870	9200	7640	39030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	171	387	481	297	496	656	310	393	356	414	227	326
MAX	183	497	663	297	519	1065	429	621	496	678	329	656
(WY)	2004	2003	2003	2004	2003	2003	2003	2003	2003	2003	2003	2004
MIN	158	276	300	296	473	247	190	165	216	150	124	126
(WY)	2003	2004	2004	2003	2004	2004	2004	2004	2004	2004	2004	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	164078		99344			
ANNUAL MEAN	450		271		384	
HIGHEST ANNUAL MEAN					496	2003
LOWEST ANNUAL MEAN					271	2004
HIGHEST DAILY MEAN	5880	Mar 21	2750	Sep 18	5880	Mar 21 2003
LOWEST DAILY MEAN	127	Sep 19	64	Aug 11	2.3	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	134	Sep 15	75	Jul 19	5.5	Sep 7 2002
MAXIMUM PEAK FLOW			3180	Sep 18	3180	Sep 18 2004
MAXIMUM PEAK STAGE			12.00	Sep 18	12.00	Sep 18 2004
ANNUAL RUNOFF (AC-FT)	325400		197000		278000	
10 PERCENT EXCEEDS	702		447		668	
50 PERCENT EXCEEDS	341		214		276	
90 PERCENT EXCEEDS	169		99		111	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217770 NORTH OCONEE RIVER AT COLLEGE ST, AT ATHENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335811 LONGITUDE 0832239 NAD27 DRAINAGE AREA 264.10* CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.58	4.70	5.08	4.94	5.31	5.27	5.03	4.67	4.19	5.29	4.31	3.84
2	4.55	4.66	5.01	4.91	5.23	5.24	4.88	5.15	4.17	5.51	4.10	4.57
3	4.52	4.60	4.94	4.91	5.41	5.26	4.85	5.33	4.06	5.57	4.03	5.05
4	4.52	4.62	5.10	4.90	5.47	5.25	4.83	4.95	4.05	5.32	3.94	4.53
5	4.51	4.73	5.26	5.00	5.31	5.20	4.76	4.66	4.07	5.27	4.03	4.28
6	4.49	4.97	5.23	5.18	5.66	5.16	4.71	4.54	3.98	5.05	4.22	4.17
7	4.54	5.07	5.09	5.14	6.65	5.19	4.71	4.47	4.17	4.73	4.14	6.05
8	4.73	4.96	4.98	4.95	7.94	5.16	4.72	4.42	4.48	4.61	4.01	7.59
9	4.76	4.83	4.94	5.02	6.53	5.09	4.74	4.40	4.91	4.46	3.78	8.77
10	4.73	4.74	5.33	5.10	5.83	5.02	4.73	4.30	5.40	4.44	3.77	7.75
11	4.63	4.68	5.79	5.02	5.61	4.99	4.70	4.31	4.82	4.35	3.75	5.64
12	4.66	4.66	5.96	4.93	6.15	4.99	4.70	4.37	4.50	4.23	4.87	5.15
13	4.64	4.68	5.55	4.93	6.51	5.00	4.98	4.53	4.55	4.15	5.85	4.81
14	4.61	4.67	5.68	4.94	6.45	4.99	5.36	4.97	4.47	4.09	5.56	4.59
15	4.58	4.67	5.96	4.91	6.38	4.98	5.20	4.95	4.29	4.06	4.66	4.47
16	4.51	4.68	5.74	4.85	6.59	5.00	4.91	4.72	4.24	4.03	4.45	5.07
17	4.51	4.74	5.51	4.86	6.57	5.02	4.77	4.64	4.21	4.01	4.24	8.63
18	4.57	4.95	5.41	5.02	6.02	4.98	4.74	4.54	4.22	4.02	4.11	11.23
19	4.56	6.02	5.25	5.08	5.78	4.92	4.68	4.80	4.15	3.99	4.51	10.46
20	4.53	6.49	5.15	4.98	5.65	4.92	4.62	5.28	4.15	3.93	4.38	7.00
21	4.48	7.30	5.08	4.89	5.57	5.03	4.59	4.76	4.13	3.87	4.21	5.86
22	4.47	5.68	5.02	4.89	5.48	5.01	4.56	4.60	4.10	3.84	4.16	5.45
23	4.48	5.30	5.01	4.90	5.35	4.90	4.55	4.63	4.57	3.85	4.12	5.17
24	4.43	5.13	5.18	4.90	5.33	4.85	4.56	4.54	5.91	3.88	4.08	4.96
25	4.47	5.06	5.25	5.44	5.34	4.83	4.51	4.35	5.70	3.82	4.13	4.83
26	4.56	4.99	5.12	6.32	5.50	4.84	4.60	4.18	5.48	4.34	4.14	4.72
27	5.41	4.94	5.03	7.12	5.54	4.85	4.68	4.14	6.20	4.50	4.01	5.46
28	5.41	5.15	5.00	6.43	5.47	4.88	4.61	4.14	6.35	4.12	3.96	7.88
29	4.99	5.49	4.95	5.82	5.34	4.83	4.53	4.11	6.41	4.25	3.88	8.53
30	4.80	5.29	4.97	5.56	---	4.99	4.54	4.14	5.68	4.44	3.92	7.47
31	4.72	---	4.95	5.40	---	5.10	---	4.19	---	4.50	3.97	---
MEAN	4.64	5.08	5.24	5.20	5.86	5.02	4.75	4.57	4.72	4.40	4.24	6.13
MAX	5.41	7.30	5.96	7.12	7.94	5.27	5.36	5.33	6.41	5.57	5.85	11.23
MIN	4.43	4.60	4.94	4.85	5.23	4.83	4.51	4.11	3.98	3.82	3.75	3.84

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217770 NORTH OCONEE RIVER AT COLLEGE ST, AT ATHENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335811 LONGITUDE 0832239 NAD27 DRAINAGE AREA 264.10* CONTRIBUTING DRAINAGE AREA DATUM

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.27	0.25	0.03
2	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.95	0.00	0.01	0.02	2.31
3	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.00	0.00
4	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.04	0.25	0.00	0.00
5	0.00	0.77	0.00	0.65	0.01	0.00	0.00	0.00	0.00	0.00	0.64	0.00
6	0.00	0.00	0.00	0.00	1.14	0.17	0.00	0.00	0.00	0.00	0.00	0.15
7	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.00	3.41
8	0.46	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.14
9	0.00	0.00	0.00	0.29	0.01	0.01	0.00	0.00	0.95	0.00	0.00	0.00
10	0.00	0.00	1.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.02	0.00	0.00	0.00	0.13	0.00	0.01	0.03	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.12	0.00	0.27	0.13	0.21	0.00	2.86	0.00
13	0.00	0.00	0.32	0.00	0.00	0.00	0.43	0.00	0.04	0.00	0.00	0.00
14	0.05	0.00	0.25	0.00	0.50	0.00	0.01	0.00	0.02	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.03	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.53	0.00	0.00	0.00	2.86
17	0.06	0.09	0.19	0.10	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.14
18	0.00	0.76	0.00	0.29	0.00	0.00	0.00	0.17	0.23	0.00	0.00	0.01
19	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
20	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.09	0.00
21	0.00	0.00	0.00	0.00	0.03	0.06	0.00	0.00	0.42	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.06	0.00	0.00	0.00
23	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00
24	0.00	0.15	0.04	0.00	0.10	0.00	0.00	0.00	0.01	0.00	0.41	0.00
25	0.00	0.00	0.00	1.90	0.21	0.00	0.00	0.00	0.25	1.15	0.00	0.00
26	1.37	0.00	0.00	0.00	0.18	0.00	0.33	0.00	0.00	0.51	0.00	0.00
27	0.02	0.11	0.00	0.02	0.30	0.00	0.01	0.00	1.36	0.00	0.00	3.54
28	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.03	0.00	0.07
29	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.15	0.00	0.00
30	0.00	0.00	0.05	0.00	---	0.71	0.25	0.00	0.01	0.11	0.95	0.00
31	0.00	---	0.00	0.00	---	0.03	---	0.48	---	0.00	0.01	---
TOTAL	2.02	3.13	2.84	3.29	4.74	1.37	1.31	2.79	5.84	2.55	5.24	12.66

2004 Water Year

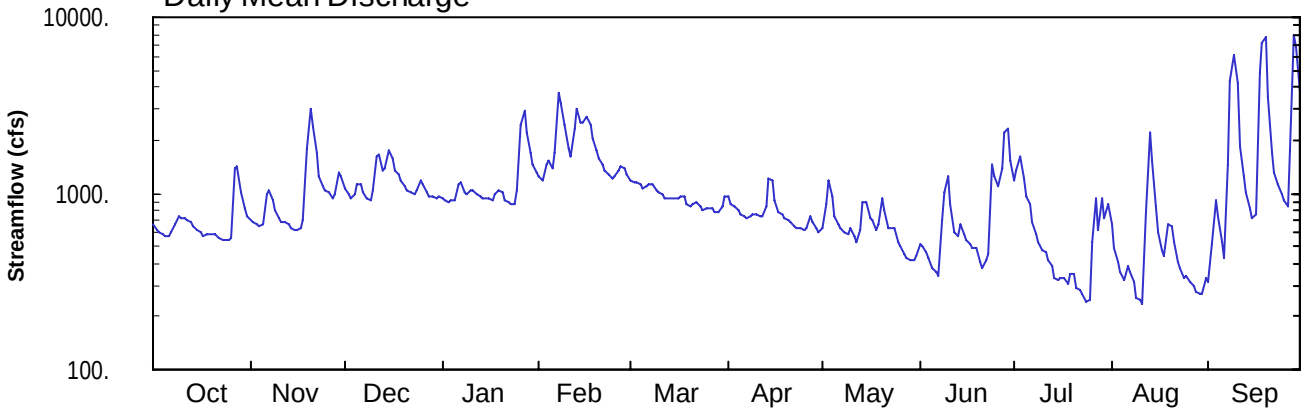
ALTAMAHA RIVER BASIN

02218300 OCONEE RIVER NEAR PENFIELD, GA

Latitude: 33°43'16" Longitude: 083°17'44" Hydrologic Unit Code: 03070101

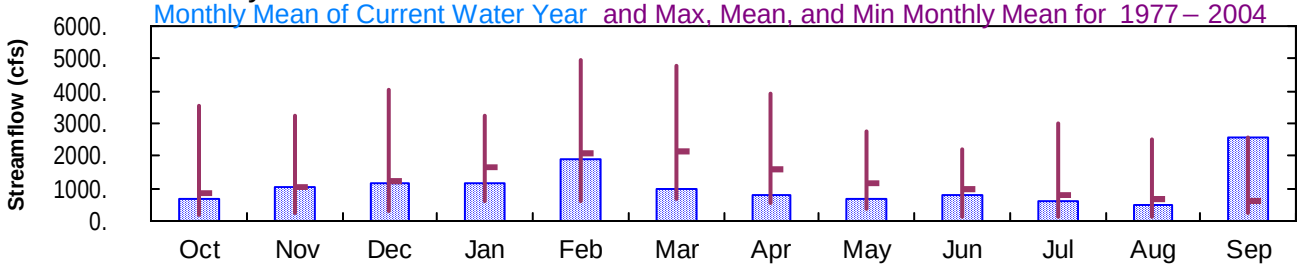
Greene County Datum: 433.26 feet Drainage Area: 940. mi²

Daily Mean Discharge

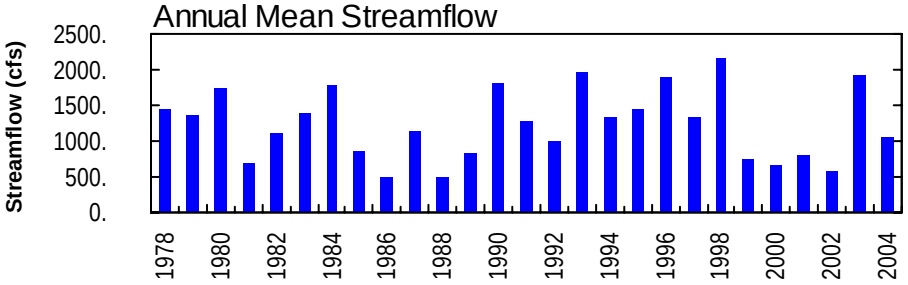


Monthly Statistics

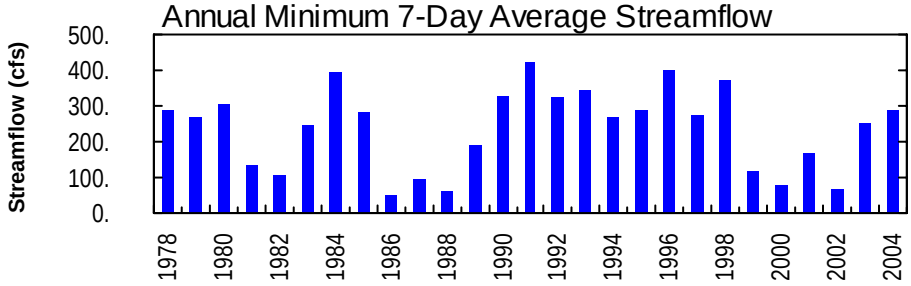
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1977 – 2004

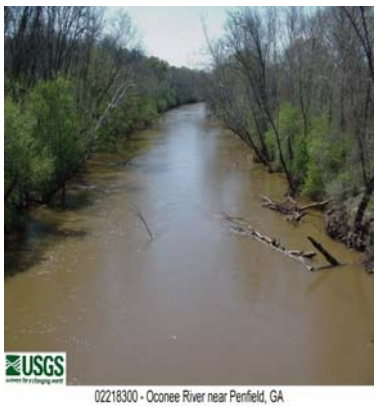


Annual Mean Streamflow

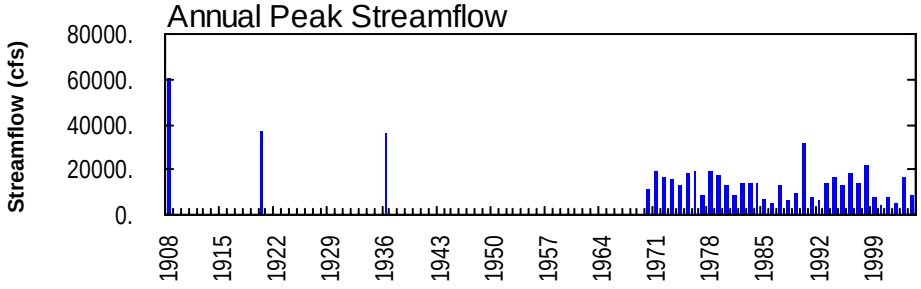


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02218300 OCONEE RIVER NEAR PENFIELD, GA

LOCATION.—Lat 33°43'16", long 83°17'44", referenced to North American Datum (NAD) of 1927, Greene County, Hydrologic Unit 03070101, on downstream side of bridge on GA 15, 7.0 miles upstream from Greenbrier Creek, 8.0 miles northwest of Penfield, and 10.0 mi southeast of Watkinsville.

DRAINAGE AREA.—940 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1970-77 (annual maximum), August 1977 to current year.

REVISED RECORDS.—WDR GA-91-1: 1990(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 433.26 feet above National Geodetic Vertical Datum (NGVD) of 1929. From November 4, 1969 to July 21, 1977, a crest-stage gage was installed, and from July 22, 1977 to August 1, 1990, a water-stage recorder was located at site 300.00 feet upstream at same datum.

REMARKS.—Records good. Some regulation at low streamflow occurs from operation of Barnett Shoals Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of December 19, 1919, reached a stage of 26.9 feet, information supplied by Georgia Department of Transportation, discharge, 37,000 cfs, from rating curve extended above 22,000 cfs on basis of slope-conveyance study. The flood of April 6, 1936 reached a stage of 26.7 feet and discharge of 36,000 cfs (revised) from rating curve extended above 22,000 cfs on basis of slope-conveyance study.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 4,600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/09	1930	6,540	14.13
09/19	0600	8,490	15.70
09/28	1115	8,640*	15.81*

02218300 OCONEE RIVER NEAR PENFIELD, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1970-1977 (annual maximum), August 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 433.26 feet above National Geodetic Vertical Datum (NGVD) of 1929. From November 4, 1969 to July 21, 1977, a crest-stage gage was installed, and from July 22, 1977 to August 1, 1990, a water-stage recorder was located at site 300 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.81 feet, September 28; minimum gage-height recorded, 3.18 feet, August 11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 1, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

STATION NUMBER 02218300 OCONEE RIVER NEAR PENFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 133
LATITUDE 334316 LONGITUDE 0831744 NAD27 DRAINAGE AREA 940.00 CONTRIBUTING DRAINAGE AREA 940* DATUM 433.26 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	670	698	1060	930	1240	1200	974	637	519	1180	667	317
2	626	684	983	914	1180	1150	873	869	506	1340	494	514
3	600	666	926	899	1460	1150	834	1170	458	1620	412	920
4	591	655	984	909	1520	1110	794	972	428	1200	355	747
5	579	661	1130	921	1370	1080	770	735	377	973	326	523
6	573	998	1130	1110	1720	1080	741	669	358	862	389	428
7	595	1050	1020	1150	3730	1120	719	637	337	682	356	1440
8	667	912	942	1000	3260	1110	732	599	712	589	318	4380
9	744	792	911	998	2460	1040	769	581	1010	528	256	6120
10	725	714	1030	1050	1800	1000	755	638	1250	481	246	4220
11	721	685	1610	1030	1600	990	748	565	856	462	234	1860
12	697	677	1660	992	2310	939	740	532	605	419	787	1240
13	688	667	1360	955	3030	928	843	622	578	390	2210	1000
14	652	640	1380	942	2520	936	1220	893	660	333	1550	814
15	626	626	1730	944	2520	934	1190	893	590	321	843	727
16	607	622	1560	926	2690	948	907	724	544	329	602	762
17	579	636	1360	902	2480	958	782	706	521	329	476	4890
18	586	699	1280	980	2020	952	754	620	491	308	439	7200
19	593	1810	1190	1030	1730	878	722	674	488	347	670	7640
20	594	3010	1090	1000	1560	839	704	931	408	344	644	3500
21	586	2400	1030	919	1460	871	678	812	378	289	528	1720
22	556	1720	1020	888	1360	882	656	630	423	285	408	1310
23	543	1260	979	875	1270	850	637	628	458	267	379	1110
24	543	1100	1040	865	1210	812	637	633	1440	244	327	990
25	538	1050	1190	1050	1240	813	619	535	1250	251	343	907
26	561	1010	1120	2470	1360	833	628	497	1100	528	312	839
27	1390	946	1010	2980	1440	824	749	454	1400	928	295	1730
28	1410	990	967	2230	1370	791	691	424	2190	625	277	8010
29	1010	1320	953	1710	1270	783	626	415	2340	940	269	6780
30	816	1230	939	1450	---	835	608	413	1520	722	268	3850
31	742	---	958	1330	---	971	---	435	---	861	330	---
TOTAL	21408	30928	35542	36349	54180	29607	23100	20543	24195	18977	16010	76488
MEAN	691	1031	1147	1173	1868	955	770	663	806	612	516	2550
MAX	1410	3010	1730	2980	3730	1200	1220	1170	2340	1620	2210	8010
MIN	538	622	911	865	1180	783	608	413	337	244	234	317
CFSM	0.73	1.10	1.22	1.25	1.99	1.02	0.82	0.70	0.86	0.65	0.55	2.71
IN.	0.85	1.22	1.41	1.44	2.14	1.17	0.91	0.81	0.96	0.75	0.63	3.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	872	1065	1244	1663	2052	2156	1583	1157	952	792	682	642
MAX	3571	3272	4029	3261	4974	4798	3897	2729	2201	3024	2481	2550
(WY)	1990	1978	1984	1978	1998	1980	1979	1980	2003	2003	1994	2004
MIN	165	240	336	595	638	689	569	366	153	93.4	92.6	217
(WY)	1988	2002	2002	1981	1989	1988	1986	1988	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	647340		387327			
ANNUAL MEAN	1774		1058		1234	
HIGHEST ANNUAL MEAN					2169	1998
LOWEST ANNUAL MEAN					498	1986
HIGHEST DAILY MEAN	15500	Mar 22	8010	Sep 28	21900	Oct 2 1989
LOWEST DAILY MEAN	496	Sep 21	234	Aug 11	33	Aug 26 1986
ANNUAL SEVEN-DAY MINIMUM	538	Sep 16	290	Jul 19	49	Aug 5 1986
MAXIMUM PEAK FLOW			8640	Sep 28	31700	Oct 1 1989
MAXIMUM PEAK STAGE			15.81	Sep 28	25.92	Oct 1 1989
ANNUAL RUNOFF (CFSM)	1.89		1.13		1.31	
ANNUAL RUNOFF (INCHES)	25.62		15.33		17.84	
10 PERCENT EXCEEDS	2920		1720		2240	
50 PERCENT EXCEEDS	1350		858		845	
90 PERCENT EXCEEDS	653		408		299	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218300 OCONEE RIVER NEAR PENFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 133
LATITUDE 334316 LONGITUDE 0831744 NAD27 DRAINAGE AREA 940.00 CONTRIBUTING DRAINAGE AREA 940* DATUM 433.26 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.58	4.66	5.49	5.14	5.89	6.18	5.65	4.73	4.38	6.15	4.91	3.82
2	4.46	4.63	5.28	5.10	5.75	6.07	5.38	5.37	4.34	6.52	4.40	4.43
3	4.38	4.57	5.14	5.06	6.42	6.08	5.28	6.12	4.19	7.13	4.14	5.61
4	4.35	4.54	5.28	5.09	6.56	6.00	5.17	5.64	4.09	6.23	3.95	5.14
5	4.32	4.56	5.64	5.12	6.21	5.91	5.10	5.01	3.92	5.69	3.85	4.49
6	4.30	5.46	5.64	5.60	6.93	5.93	5.02	4.82	3.86	5.40	4.06	4.19
7	4.37	5.61	5.37	5.68	10.90	6.01	4.96	4.73	3.79	4.91	3.96	6.51
8	4.58	5.25	5.18	5.34	10.04	6.00	5.00	4.62	4.93	4.65	3.82	11.89
9	4.79	4.93	5.10	5.32	8.51	5.82	5.10	4.56	5.70	4.47	3.60	13.75
10	4.74	4.71	5.40	5.46	7.17	5.73	5.06	4.73	6.29	4.34	3.56	11.51
11	4.73	4.63	6.76	5.40	6.73	5.69	5.05	4.52	5.34	4.28	3.52	7.67
12	4.66	4.61	6.87	5.31	8.17	5.56	5.02	4.42	4.63	4.15	5.00	6.38
13	4.64	4.58	6.18	5.21	9.62	5.53	5.30	4.69	4.55	4.07	8.35	5.82
14	4.53	4.50	6.22	5.18	8.67	5.55	6.24	5.43	4.80	3.88	7.04	5.33
15	4.46	4.46	7.03	5.18	8.70	5.55	6.17	5.44	4.59	3.84	5.40	5.09
16	4.40	4.45	6.66	5.13	9.05	5.58	5.47	4.98	4.45	3.86	4.73	5.18
17	4.32	4.49	6.18	5.07	8.66	5.61	5.14	4.93	4.38	3.86	4.34	12.28
18	4.34	4.63	5.99	5.27	7.79	5.59	5.06	4.68	4.29	3.79	4.23	14.68
19	4.36	7.16	5.77	5.41	7.23	5.40	4.97	4.84	4.28	3.93	4.92	15.02
20	4.36	9.58	5.55	5.33	6.89	5.29	4.92	5.54	4.03	3.91	4.85	10.47
21	4.34	8.40	5.39	5.12	6.68	5.38	4.85	5.22	3.93	3.72	4.50	7.39
22	4.25	6.99	5.37	5.04	6.51	5.41	4.78	4.71	4.07	3.71	4.13	6.53
23	4.21	5.95	5.27	5.00	6.33	5.32	4.73	4.70	4.18	3.64	4.03	6.09
24	4.21	5.57	5.43	4.97	6.22	5.22	4.73	4.72	6.73	3.56	3.86	5.79
25	4.20	5.46	5.78	5.43	6.28	5.22	4.68	4.43	6.30	3.59	3.91	5.57
26	4.26	5.34	5.63	8.51	6.54	5.28	4.70	4.31	5.95	4.46	3.80	5.39
27	6.38	5.19	5.35	9.52	6.73	5.25	5.05	4.18	6.64	5.63	3.74	7.01
28	6.45	5.30	5.24	8.06	6.57	5.16	4.88	4.08	8.24	4.79	3.68	15.32
29	5.49	6.09	5.21	6.98	6.35	5.14	4.70	4.05	8.53	5.64	3.65	14.33
30	4.99	5.89	5.17	6.39	---	5.28	4.64	4.04	6.90	5.07	3.65	11.08
31	4.79	---	5.22	6.11	---	5.64	---	4.11	---	5.45	3.86	---
MEAN	4.62	5.41	5.67	5.69	7.38	5.59	5.09	4.79	5.08	4.66	4.37	8.13
MAX	6.45	9.58	7.03	9.52	10.90	6.18	6.24	6.12	8.53	7.13	8.35	15.32
MIN	4.20	4.45	5.10	4.97	5.75	5.14	4.64	4.04	3.79	3.56	3.52	3.82

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218300 OCONEE RIVER NEAR PENFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 133
LATITUDE 334316 LONGITUDE 0831744 NAD27 DRAINAGE AREA 940.00 CONTRIBUTING DRAINAGE AREA 940* DATUM 433.26 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.01	0.76	0.00	0.18
2	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.98	0.01	0.02	0.97	0.18
3	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00
5	0.00	0.18	0.00	0.23	0.01	0.00	0.00	0.00	0.00	0.00	---	0.00
6	0.17	0.01	0.01	0.00	1.19	0.11	0.00	0.00	0.00	0.00	---	0.31
7	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	---	3.02
8	0.12	0.18	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.04	---	0.07
9	0.00	0.01	0.00	0.24	0.00	0.03	0.00	0.00	0.02	0.00	---	0.00
10	0.00	0.00	0.74	0.00	0.00	0.00	---	0.00	0.03	0.00	0.00	0.00
11	0.02	0.00	0.00	0.00	0.12	0.00	---	0.00	0.80	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.95	0.00	---	0.16	0.07	0.00	1.29	0.00
13	0.00	0.00	0.45	0.00	0.00	0.00	0.51	0.00	0.16	0.00	0.00	0.00
14	0.10	0.00	0.31	0.00	0.62	0.00	0.01	0.00	0.40	0.14	0.10	0.00
15	0.00	0.00	0.01	0.00	0.27	0.00	0.00	0.00	0.05	0.00	0.01	0.00
16	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.32	0.00	0.00	2.17
17	0.09	0.02	0.19	0.10	0.00	0.00	0.00	0.00	0.32	0.88	0.00	0.23
18	0.01	0.84	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00
19	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.09	0.00
21	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.83	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.19	0.00	0.00	0.00
23	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
24	0.00	0.15	0.04	0.00	0.24	0.00	0.00	0.00	0.02	0.00	0.01	0.00
25	0.00	0.00	0.00	1.40	0.33	0.00	0.00	0.00	0.01	1.75	0.00	0.00
26	0.45	0.00	0.00	0.01	0.36	0.00	0.35	0.00	0.00	0.50	0.00	0.00
27	0.00	0.24	0.00	0.18	0.18	0.00	0.01	0.00	3.18	0.32	0.00	4.57
28	0.08	0.14	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.00	0.00	0.01
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.34	0.04	0.00
30	0.00	0.00	0.05	0.00	---	0.49	0.01	0.00	1.50	0.26	0.67	0.00
31	0.00	---	0.00	0.00	---	0.15	---	0.15	---	0.00	0.01	---
TOTAL	1.06	2.86	2.30	2.46	5.02	0.92	---	1.53	8.44	5.79	---	10.74

2004 Water Year

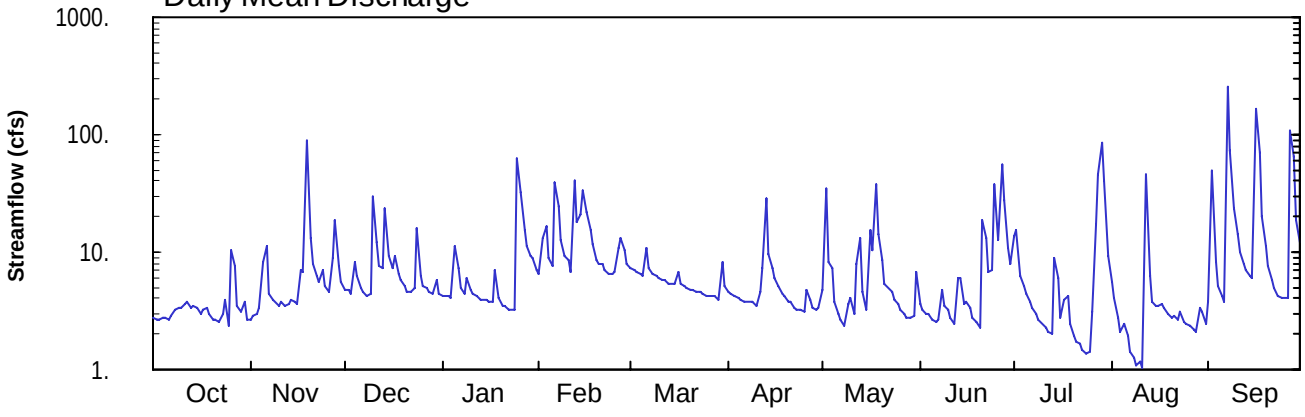
ALTAMAHA RIVER BASIN

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA

Latitude: 34°00'37" Longitude: 083°53'39" Hydrologic Unit Code: 03070101

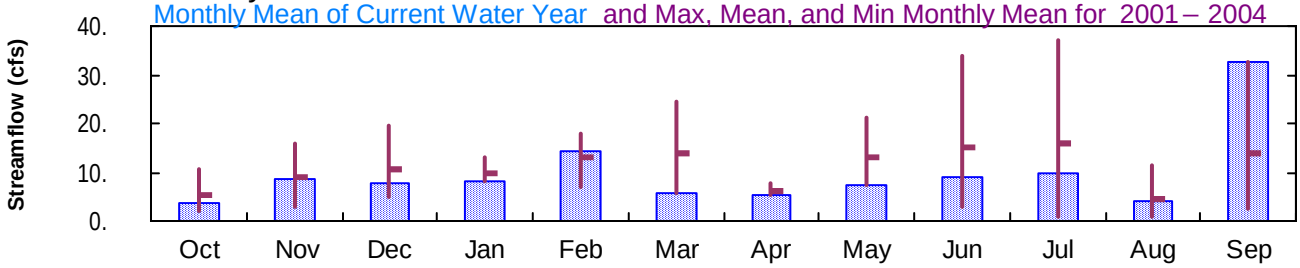
Gwinnett County Datum: 935.00 feet Drainage Area: 5.68 mi²

Daily Mean Discharge

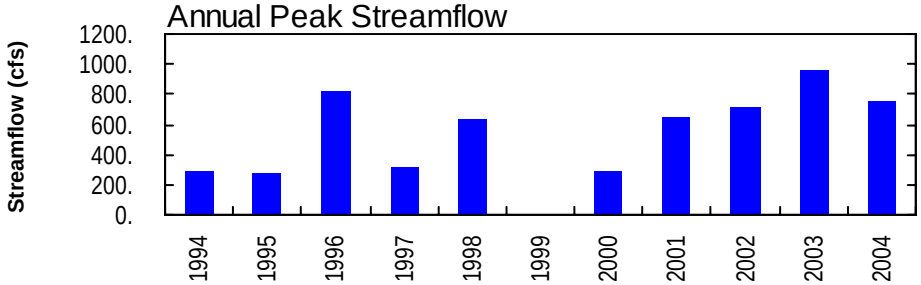


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA

LOCATION.—Lat 34°00'37", long 83°53'39", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070101, 3.0 miles north of Dacula, and 2.5 miles west of Auburn.

DRAINAGE AREA.—5.68 square miles (revised).

COOPERATION.—Gwinnett County Department of Public Works.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 13, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 935.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except period of estimated discharges and those discharges above 640 cfs, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1970-1977 (annual maximum), August 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 935.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.90 feet, September 16; minimum gage-height recorded, 0.46 feet, July 23-25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 21, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68* CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	2.7	4.8	4.2	6.4	7.4	4.6	4.7	3.7	14	5.6	3.8
2	2.7	2.9	4.8	4.2	13	6.9	4.4	34	3.2	15	4.1	49
3	2.6	3.0	4.4	4.2	17	6.9	4.2	8.2	3.0	6.4	2.8	8.1
4	2.7	3.3	8.2	4.1	8.7	6.4	4.1	7.3	3.0	5.1	2.1	5.2
5	2.7	8.3	6.3	11	7.6	6.4	3.9	3.7	2.7	4.3	2.4	4.3
6	2.7	11	4.9	7.3	39	11	3.8	3.0	2.5	3.7	1.9	3.8
7	2.8	4.4	4.5	4.9	24	7.4	3.8	2.6	2.7	e3.4	1.4	256
8	3.2	3.9	4.2	4.4	13	6.6	3.8	2.4	4.8	e3.0	1.2	73
9	3.4	3.7	4.4	5.9	9.3	6.4	3.7	3.7	3.5	2.7	1.1	23
10	3.4	3.5	30	4.7	8.6	6.0	3.5	4.0	3.2	2.5	1.2	14
11	3.7	3.7	12	4.3	6.9	5.9	4.5	2.9	2.7	2.3	1.0	10
12	3.7	3.5	7.5	4.2	41	5.8	7.4	7.9	2.4	2.1	46	7.9
13	3.4	3.6	7.3	4.0	18	5.4	29	13	6.1	2.1	6.3	7.0
14	3.5	3.9	23	3.8	21	5.4	9.7	4.5	5.9	8.9	3.8	6.3
15	3.3	3.8	9.4	3.9	34	5.4	7.2	3.3	3.7	6.0	3.5	5.9
16	3.0	3.6	7.2	3.8	22	6.8	5.9	15	3.7	2.7	3.5	163
17	3.2	7.0	9.4	3.8	16	5.5	5.1	10	3.4	3.9	3.7	69
18	3.3	6.8	6.4	7.0	12	5.1	4.5	37	2.8	4.3	3.4	20
19	3.0	89	5.8	4.0	8.6	4.9	4.2	14	2.6	2.4	3.0	11
20	2.7	13	5.1	3.5	8.0	4.7	3.8	8.7	2.3	1.9	2.8	7.5
21	2.7	7.8	4.6	3.4	8.0	4.8	3.7	5.4	18	1.8	2.8	5.9
22	2.5	6.3	4.6	3.3	7.0	4.6	3.4	5.0	13	1.6	2.7	4.9
23	3.0	5.5	4.9	3.2	6.6	4.6	3.2	4.6	6.9	1.5	3.1	4.3
24	3.9	7.0	16	3.2	6.6	4.4	3.2	3.9	7.1	1.4	2.5	4.1
25	2.3	5.1	6.2	62	6.7	4.2	3.1	3.6	37	1.4	2.5	4.1
26	11	4.5	5.2	33	11	4.2	4.7	3.2	12	3.2	2.4	4.0
27	7.7	9.1	4.9	15	13	4.2	4.0	2.9	55	17	2.2	108
28	3.5	19	4.6	11	10	4.2	3.3	2.8	28	46	2.1	65
29	3.1	7.6	4.4	9.2	8.1	4.0	3.2	2.8	11	86	3.3	18
30	3.8	5.7	5.7	8.8	---	8.3	3.4	2.9	7.9	41	3.1	12
31	2.6	---	4.4	7.1	---	5.2	---	6.7	---	9.1	2.4	---
TOTAL	107.8	262.2	235.1	256.4	411.1	179.0	156.3	233.7	263.8	306.7	129.9	978.1
MEAN	3.48	8.74	7.58	8.27	14.2	5.77	5.21	7.54	8.79	9.89	4.19	32.6
MAX	11	89	30	62	41	11	29	37	55	86	46	256
MIN	2.3	2.7	4.2	3.2	6.4	4.0	3.1	2.4	2.3	1.4	1.0	3.8
MED	3.1	4.8	5.2	4.2	10	5.4	3.9	4.5	3.7	3.4	2.8	8.0
AC-FT	214	520	466	509	815	355	310	464	523	608	258	1940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	5.33	9.06	10.7	9.80	13.1	13.9	6.33	13.0	15.2	15.9	4.47	14.0
MAX	10.4	15.8	19.5	12.9	18.1	24.7	7.62	21.3	33.9	37.0	11.5	32.6
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2004
MIN	2.08	2.68	4.93	8.27	6.93	5.77	5.21	7.54	2.85	0.85	0.88	2.27
(WY)	2002	2002	2002	2003	2002	2004	2004	2004	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	5764.9		3520.1			
ANNUAL MEAN	15.8		9.62		11.3	
HIGHEST ANNUAL MEAN					18.0	2003
LOWEST ANNUAL MEAN					6.25	2002
HIGHEST DAILY MEAN	383	Jul 1	256	Sep 7	383	Jul 1 2003
LOWEST DAILY MEAN	2.3	Oct 25	1.0	Aug 11	0.28	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	2.7	Sep 30	1.5	Aug 5	0.31	Aug 9 2002
MAXIMUM PEAK FLOW			747	Sep 16	962	Jul 1 2003
MAXIMUM PEAK STAGE			5.90	Sep 16	6.93	Jul 1 2003
ANNUAL RUNOFF (AC-FT)	11430		6980		8170	
10 PERCENT EXCEEDS	28		16		23	
50 PERCENT EXCEEDS	7.7		4.5		5.4	
90 PERCENT EXCEEDS	3.7		2.7		1.6	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68* CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.56	0.56	0.62	0.60	0.65	0.67	0.61	0.61	0.56	0.72	0.62	0.53
2	0.56	0.57	0.62	0.60	0.73	0.66	0.61	0.96	0.55	0.75	0.59	1.03
3	0.56	0.57	0.60	0.60	0.79	0.66	0.60	0.68	0.54	0.63	0.56	0.63
4	0.56	0.58	0.68	0.60	0.69	0.65	0.60	0.67	0.54	0.60	0.53	0.57
5	0.56	0.66	0.65	0.70	0.67	0.65	0.59	0.59	0.53	0.58	0.55	0.55
6	0.56	0.73	0.62	0.67	1.00	0.72	0.59	0.56	0.53	0.57	0.53	0.54
7	0.57	0.62	0.61	0.62	0.88	0.67	0.59	0.55	0.53	---	0.51	2.61
8	0.58	0.60	0.60	0.61	0.75	0.65	0.59	0.54	0.59	---	0.50	1.27
9	0.59	0.60	0.60	0.64	0.70	0.65	0.59	0.56	0.56	0.53	0.50	0.83
10	0.59	0.59	0.92	0.61	0.69	0.64	0.58	0.59	0.55	0.52	0.51	0.72
11	0.60	0.60	0.74	0.60	0.66	0.64	0.61	0.56	0.53	0.52	0.51	0.66
12	0.60	0.59	0.67	0.60	1.03	0.64	0.64	0.63	0.52	0.51	1.04	0.63
13	0.59	0.59	0.66	0.59	0.81	0.63	0.98	0.74	0.62	0.51	0.67	0.61
14	0.59	0.60	0.87	0.59	0.84	0.63	0.71	0.61	0.61	0.60	0.59	0.60
15	0.58	0.60	0.70	0.59	0.97	0.63	0.67	0.57	0.56	0.61	0.56	0.59
16	0.58	0.59	0.67	0.59	0.86	0.66	0.64	0.71	0.57	0.53	0.55	1.80
17	0.58	0.66	0.70	0.59	0.78	0.63	0.62	0.70	0.56	0.56	0.54	1.25
18	0.58	0.65	0.65	0.66	0.73	0.62	0.61	0.94	0.54	0.58	0.53	0.82
19	0.57	1.43	0.64	0.60	0.69	0.62	0.60	0.74	0.53	0.52	0.51	0.72
20	0.56	0.75	0.62	0.58	0.68	0.61	0.59	0.67	0.52	0.50	0.50	0.67
21	0.56	0.68	0.61	0.58	0.68	0.62	0.59	0.61	0.73	0.49	0.51	0.64
22	0.56	0.65	0.61	0.57	0.66	0.61	0.58	0.60	0.72	0.49	0.50	0.62
23	0.57	0.63	0.62	0.57	0.65	0.61	0.57	0.59	0.64	0.48	0.51	0.60
24	0.60	0.66	0.78	0.57	0.65	0.60	0.57	0.57	0.63	0.47	0.50	0.60
25	0.55	0.62	0.65	1.18	0.66	0.60	0.57	0.56	0.97	0.47	0.49	0.60
26	0.68	0.61	0.62	0.97	0.72	0.60	0.61	0.55	0.72	0.54	0.49	0.60
27	0.67	0.67	0.62	0.78	0.75	0.60	0.59	0.54	1.07	0.65	0.48	1.49
28	0.59	0.82	0.61	0.73	0.71	0.60	0.57	0.54	0.89	1.03	0.48	1.25
29	0.58	0.67	0.61	0.70	0.68	0.59	0.57	0.54	0.70	1.29	0.51	0.82
30	0.60	0.64	0.63	0.69	---	0.68	0.58	0.54	0.66	1.01	0.52	0.74
31	0.56	---	0.61	0.66	---	0.63	---	0.62	---	0.68	0.49	---
MEAN	0.58	0.66	0.66	0.65	0.75	0.63	0.61	0.63	0.63	---	0.54	0.85
MAX	0.68	1.43	0.92	1.18	1.03	0.72	0.98	0.96	1.07	---	1.04	2.61
MIN	0.55	0.56	0.60	0.57	0.65	0.59	0.57	0.54	0.52	---	0.48	0.53

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68* CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.59	0.00	0.48
2	0.00	0.00	0.00	0.00	0.57	0.03	0.00	1.33	0.00	0.04	0.00	2.15
3	0.00	0.00	0.03	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00
5	0.00	1.14	0.03	0.55	0.06	0.00	0.00	0.00	0.00	0.00	0.40	0.00
6	0.00	0.04	0.00	0.00	0.84	0.40	0.00	0.00	0.00	---	0.00	0.06
7	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.25	---	0.00	5.49
8	0.06	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.43	---	0.00	0.10
9	0.00	0.00	0.00	0.21	0.00	0.01	0.00	0.00	0.02	---	0.00	0.00
10	0.00	0.00	0.96	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	---	0.00	0.00	0.00	0.10	0.00	0.16	0.33	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.88	0.00	0.34	0.26	0.12	0.00	2.01	0.00
13	---	0.00	0.46	0.00	0.00	0.00	0.35	0.09	0.39	0.00	0.00	0.00
14	0.07	0.00	0.28	0.00	0.43	0.00	0.66	1.13	0.08	0.68	0.00	0.00
15	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.17	0.01	0.00	0.00
16	0.00	0.01	0.01	0.00	0.00	0.13	0.00	0.52	0.11	0.00	0.00	3.23
17	0.01	0.24	0.21	0.11	0.00	0.00	0.00	0.00	0.03	0.64	0.00	0.21
18	0.00	0.87	0.01	0.27	0.00	0.00	0.00	0.95	0.05	0.01	0.00	0.00
19	0.00	1.41	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
21	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	1.20	0.00	0.01	0.00
22	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.28	0.14	0.00	0.00	0.00
23	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
24	0.00	0.26	0.01	0.00	0.04	0.00	0.00	0.00	0.06	0.00	0.00	0.00
25	0.00	0.00	0.00	2.06	0.14	0.00	0.00	0.00	0.82	0.11	0.00	0.00
26	0.91	0.00	0.00	0.00	0.06	0.00	0.27	0.00	0.05	0.27	0.00	0.00
27	0.03	0.56	0.00	0.07	0.57	0.00	0.00	0.00	1.05	2.72	0.00	3.24
28	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.01	0.00	0.01
29	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.01	2.50	0.64	0.00
30	0.00	0.00	0.12	0.00	---	0.41	0.05	0.00	0.08	0.07	0.02	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.42	---	0.00	0.00	---
TOTAL	---	4.86	3.24	3.35	4.34	1.07	1.83	5.73	5.50	---	3.16	14.97

ALTAMAHA RIVER BASIN
2004 Water Year

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA

LOCATION.—Lat 34°00'37", long 83°53'39", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070101, 3.0 miles north of Dacula, and 2.5 miles west of Auburn.

DRAINAGE AREA.—5.68 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

PERIOD OF RECORD.—July 13, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: July 13, 2001 to current year.
WATER TEMPERATURE: July 13, 2001 to current year.
TURBIDITY: July 13, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance and turbidity records, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 88 microsiemens, September 16, 2002; minimum recorded, 18 microsiemens, July 1, 2003.
WATER TEMPERATURE: Maximum recorded, 26.1°C, July 29,30, 2002; minimum recorded, 0.5°C, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, May 1-3, June 6, 2002; minimum recorded, <5.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 79 microsiemens, October 15; minimum recorded, 23 microsiemens, May 18.
WATER TEMPERATURE: Maximum recorded, 25.3°C, July 13; minimum recorded, 3.1°C, December 21.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	56	55	56	71	66	69	63	61	62	62	61	62
2	56	55	56	69	68	68	62	60	60	62	62	62
3	60	55	58	69	68	68	60	60	60	63	58	62
4	59	58	58	70	68	69	61	59	60	59	57	58
5	59	58	58	68	55	67	64	60	62	60	55	58
6	59	58	58	70	62	67	64	63	63	60	57	58
7	58	58	58	70	68	69	64	63	63	60	59	59
8	60	58	58	70	69	69	66	63	64	---	---	---
9	61	58	60	70	68	70	68	62	64	---	---	---
10	64	61	63	69	67	68	65	52	58	64	61	63
11	68	61	65	69	67	68	60	56	59	63	61	62
12	67	63	65	69	66	68	60	60	60	64	62	63
13	67	64	65	69	67	68	61	59	60	62	59	60
14	68	67	67	68	66	66	60	56	58	62	59	61
15	79	68	72	66	65	66	60	59	60	60	59	60
16	73	69	70	66	65	65	60	59	60	60	59	60
17	70	67	69	70	64	66	62	59	61	60	59	60
18	72	67	69	71	65	68	61	60	60	60	58	59
19	76	71	74	67	36	52	62	60	61	60	59	60
20	71	68	70	59	54	55	61	60	60	60	59	60
21	69	68	68	61	59	59	62	61	61	60	59	60
22	70	68	69	60	59	60	61	61	61	61	60	60
23	70	69	69	62	60	61	63	61	62	60	60	60
24	77	67	74	62	60	61	63	55	57	61	60	60
25	75	67	71	61	60	61	60	59	59	61	50	56
26	69	64	66	64	61	62	60	60	60	59	50	56
27	71	65	68	61	58	60	60	60	60	59	57	58
28	73	70	72	61	57	60	61	60	60	58	56	57
29	70	69	69	61	61	61	61	61	61	59	57	58
30	75	68	72	61	61	61	62	58	59	59	58	58
31	76	67	73	---	---	---	61	60	61	58	57	58
MONTH	79	55	66	71	36	64	68	52	61	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	60	57	59	58	57	58	61	59	60	---	---	---
2	60	49	58	58	57	57	60	58	59	---	---	---
3	57	50	54	58	58	58	59	58	59	59	---	58
4	60	56	58	59	58	58	60	58	59	62	57	60
5	60	58	59	60	58	59	60	58	59	63	60	61
6	61	48	56	59	55	57	60	58	59	60	59	60
7	56	52	54	59	57	59	61	59	60	65	59	61
8	57	55	56	60	59	59	61	58	59	61	59	60
9	58	56	57	59	59	59	60	58	59	61	57	60
10	58	57	58	59	58	58	60	58	59	60	56	58
11	58	57	57	58	58	58	63	59	60	60	58	59
12	58	44	50	58	58	58	61	51	59	62	42	60
13	54	51	53	58	58	58	58	49	56	54	42	49
14	54	53	54	59	58	58	61	58	59	57	54	55
15	55	49	52	59	57	58	66	60	61	57	55	56
16	55	51	54	60	58	58	62	60	61	58	39	53
17	56	54	55	59	58	59	61	60	61	49	42	46
18	57	55	55	59	58	58	62	61	61	49	23	38
19	57	56	57	59	58	59	64	62	62	33	29	31
20	57	57	57	59	58	58	64	62	63	37	32	34
21	58	57	58	59	58	58	65	63	64	40	37	38
22	58	58	58	59	58	59	65	63	64	42	40	41
23	58	58	58	59	58	59	64	63	63	45	42	43
24	58	58	58	59	58	58	66	64	65	49	45	46
25	59	58	58	59	57	58	70	64	66	54	49	51
26	59	54	57	58	57	58	68	65	66	55	50	52
27	61	55	58	58	57	58	---	---	---	51	49	50
28	60	59	59	59	58	59	---	---	---	51	49	50
29	59	58	59	60	58	59	66	63	64	---	---	---
30	---	---	---	62	59	60	66	63	65	---	---	---
31	---	---	---	65	60	62	---	---	---	---	---	---
MONTH	61	44	56	65	55	58	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	61	55	60	---	---	---	63	56	61
2	65	63	65	64	57	62	---	---	---	---	28	---
3	66	64	65	65	64	64	60	60	60	62	55	57
4	65	64	65	66	64	65	62	60	61	57	56	56
5	66	64	65	69	66	67	65	60	63	59	57	57
6	66	65	65	---	---	---	64	62	63	59	58	59
7	66	64	65	---	---	---	64	63	64	63	30	42
8	68	61	65	---	---	---	64	63	64	48	37	45
9	66	60	64	---	---	---	64	63	64	52	48	50
10	64	62	63	67	66	66	64	63	63	53	52	52
11	74	62	66	68	65	67	63	63	63	54	53	53
12	65	63	65	66	65	65	63	27	48	55	54	54
13	68	58	64	67	64	66	49	46	48	55	54	55
14	64	59	61	66	56	64	53	49	51	56	55	56
15	67	64	66	67	63	65	55	53	54	58	56	57
16	71	66	69	68	66	67	54	52	53	57	28	50
17	73	68	70	69	64	68	58	53	56	46	34	42
18	70	67	69	70	64	68	59	58	59	52	46	49
19	68	67	68	69	67	68	60	58	60	53	51	52
20	68	66	67	70	68	69	61	59	60	55	52	54
21	67	51	65	69	65	66	61	59	60	55	54	54
22	---	---	---	67	64	66	61	60	61	55	54	55
23	---	---	---	66	65	66	61	58	60	56	55	56
24	---	---	---	67	65	66	61	58	60	58	56	57
25	---	---	---	66	65	65	61	60	60	58	57	57
26	---	---	---	67	62	64	61	60	60	58	57	58
27	---	36	---	67	32	64	61	60	61	59	36	52
28	56	49	54	59	29	53	62	60	61	53	38	48
29	60	56	58	56	26	49	63	53	60	56	53	55
30	60	59	60	---	31	---	65	60	62	58	56	57
31	---	---	---	---	---	---	63	62	62	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	28	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.9	14.2	15.5	16.3	13.2	14.7	9.9	7.1	8.3	8.4	5.4	6.9
2	16.0	13.9	15.0	16.5	13.5	15.0	9.3	7.0	8.3	10.1	7.4	8.7
3	15.0	13.0	14.0	16.4	13.4	14.9	8.2	7.4	7.8	12.5	9.3	10.8
4	16.4	13.3	14.8	17.4	15.2	16.2	7.6	6.6	6.9	13.5	11.2	12.3
5	17.2	14.6	15.9	19.5	17.0	18.0	8.0	6.8	7.4	14.1	11.4	13.3
6	17.8	16.3	17.0	20.5	18.9	19.5	8.3	6.8	7.4	11.4	6.5	8.6
7	18.3	17.1	17.6	19.5	17.9	18.7	7.6	5.3	6.5	6.5	3.9	4.8
8	18.4	17.4	17.8	17.9	15.8	16.8	7.9	5.3	6.6	5.4	3.2	4.4
9	18.8	17.8	18.2	15.8	13.2	14.7	9.4	6.2	7.7	6.7	5.4	6.0
10	18.7	18.0	18.3	13.3	11.4	12.5	10.8	9.1	10	6.5	5.1	6.1
11	---	---	---	14.2	10.7	12.4	9.1	7.4	8.1	5.9	3.5	4.7
12	19.2	17.2	18.0	16.2	12.6	14.3	8.1	5.9	7.1	6.9	4.0	5.4
13	19.0	16.6	17.9	15.5	11.0	13.8	7.4	6.4	6.9	8.7	6.1	7.2
14	---	---	---	11.4	8.9	10.2	7.5	6.3	6.9	9.1	6.2	7.7
15	---	---	---	12.3	9.2	10.6	8.2	6.0	7.1	9.7	7.7	8.9
16	---	---	---	13.9	10.0	11.9	9.2	5.9	7.5	8.4	5.7	7.1
17	14.5	12.5	13.6	16.2	13.5	14.9	9.5	6.8	8.3	7.3	5.7	6.7
18	15.3	12.6	14.0	17.0	15.0	15.9	7.6	5.4	6.6	9.7	7.3	8.5
19	15.7	12.7	14.2	17.4	14.9	16.7	7.5	6.0	6.8	9.2	5.9	7.5
20	16.4	13.5	14.9	14.9	12.6	13.7	6.0	4.3	5.1	6.1	3.8	5.1
21	17.3	14.0	15.6	14.0	11.4	12.8	5.5	3.1	4.3	6.1	3.6	4.8
22	17.1	15.2	16.2	13.8	11.2	12.6	6.7	3.6	5.1	6.9	4.0	5.4
23	16.0	13.5	14.8	13.9	11.1	12.6	8.7	5.0	6.6	6.1	4.2	5.3
24	15.6	13.5	14.5	13.6	10.6	12.9	9.5	7.2	8.8	8.1	4.1	5.9
25	15.9	13.5	14.6	10.6	8.0	9.2	7.2	5.0	6.0	8.4	5.4	7.2
26	16.2	15.0	15.4	10.6	7.7	9.1	6.9	4.4	5.7	5.7	5.4	5.6
27	16.5	14.8	16.1	11.7	10.1	10.8	7.3	4.5	5.8	7.2	5.5	6.1
28	14.8	12.6	13.4	13.1	9.8	12.1	7.5	4.9	6.2	5.5	3.2	4.5
29	14.8	12.3	13.5	9.8	7.3	8.1	9.1	6.1	7.4	6.0	3.4	4.8
30	15.0	12.1	13.6	8.8	6.1	7.4	9.4	7.5	8.7	7.7	4.9	6.1
31	15.8	12.7	14.2	---	---	---	7.8	5.4	6.7	7.0	4.6	5.9
MONTH	---	---	---	20.5	6.1	13.4	10.8	3.1	7.1	14.1	3.2	6.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	4.4	5.6	13.0	7.9	10.3	14.3	9.6	11.8	---	---	---
2	6.2	4.4	5.5	14.8	11.9	13.2	14.5	10.0	12.3	---	---	---
3	7.8	4.4	6.0	16.2	13.2	14.5	17.0	10.5	13.4	---	---	---
4	7.4	4.8	6.2	16.8	13.6	15.1	16.3	11.5	13.6	15.5	12.1	13.9
5	6.5	5.9	6.1	16.1	13.9	15.0	16.0	10.1	12.9	17.3	13.2	15.3
6	7.8	5.8	6.4	17.3	15.0	15.9	16.8	10.7	13.6	19.2	15.7	17.3
7	7.7	5.5	6.6	16.3	12.2	14.1	17.0	11.7	14.3	19.9	16.4	18.1
8	6.9	4.1	5.5	13.5	10.0	11.7	17.4	13.9	15.5	20.5	17.1	18.8
9	6.9	5.2	5.9	12.1	8.4	10.3	18.6	13.4	15.8	21.0	18.2	19.6
10	8.0	5.5	6.7	12.7	8.1	10.3	16.8	12.6	14.8	20.6	18.2	19.6
11	8.7	7.3	8.0	12.9	7.5	10.2	16.2	13.9	15.2	20.5	19.0	19.6
12	8.3	6.7	7.4	13.8	9.0	11.1	15.9	13.0	14.7	20.3	18.5	19.2
13	9.9	7.3	8.5	13.4	8.5	10.8	13.7	11.3	13.0	19.8	19.1	19.4
14	9.7	8.6	9.0	14.7	9.9	12.1	14.1	9.9	11.8	19.5	18.3	19.0
15	9.0	8.2	8.8	15.6	13.0	14.1	16.1	10.3	13.2	20.4	18.3	19.4
16	8.2	7.0	7.6	16.8	13.8	14.8	17.4	11.8	14.6	21.7	18.5	19.6
17	7.9	6.5	7.2	15.5	11.1	13.1	18.4	13.2	15.8	20.8	18.8	19.9
18	9.5	5.9	7.7	13.7	10.0	12.0	19.3	14.5	16.9	20.9	19.0	20.1
19	10.0	6.0	8.1	17.2	11.0	13.8	19.7	15.5	17.5	20.7	18.9	19.8
20	10.1	7.0	8.6	16.8	12.2	14.4	19.4	16.3	17.8	21.4	19.0	20.3
21	12.3	9.7	10.6	16.7	12.0	14.8	18.3	16.1	17.3	22.0	19.8	21.0
22	11.0	7.2	9.2	13.3	8.9	10.9	19.4	15.5	17.4	21.6	20.3	20.8
23	9.4	7.6	8.5	12.8	7.0	9.8	19.3	16.3	17.8	21.6	19.4	20.5
24	10.2	8.9	9.5	14.4	8.1	11.1	19.8	16.6	18.2	21.5	19.2	20.4
25	10.0	8.3	9.2	16.1	9.9	12.8	20.2	17.4	18.8	22.6	20.6	21.5
26	8.3	5.0	5.8	18.1	12.1	14.8	19.2	16.4	18.0	22.9	21.0	22.0
27	7.8	5.3	6.3	18.0	13.0	15.5	16.8	14.2	15.6	22.8	20.9	21.8
28	9.9	5.3	7.5	19.5	13.8	16.5	16.4	12.6	14.6	22.8	21.0	21.8
29	10.1	5.9	8.1	18.9	15.3	16.8	16.9	13.5	15.2	---	---	---
30	---	---	---	18.3	14.4	16.1	16.9	16.1	16.5	---	---	---
31	---	---	---	15.6	11.8	13.7	---	---	---	---	---	---
MONTH	12.3	4.1	7.5	19.5	7.0	13.2	20.2	9.6	15.3	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	22.8	21.2	21.8	24.5	22.9	23.8	22.6	21.7	22.2
2	21.0	18.6	19.9	23.0	21.5	22.3	24.6	23.4	24.0	22.7	21.4	22.4
3	21.3	19.2	20.4	23.6	21.8	22.8	24.5	22.7	23.7	22.4	21.5	21.9
4	21.9	20.0	20.9	23.4	22.0	22.8	24.7	23.0	23.8	22.0	20.8	21.4
5	21.1	18.6	20.0	24.0	21.8	22.9	23.7	22.6	23.2	22.2	20.8	21.5
6	21.2	19.0	20.0	---	---	---	23.3	22.0	22.7	21.9	21.2	21.5
7	20.8	19.6	20.3	---	---	---	22.0	19.9	20.9	22.3	21.5	21.9
8	20.6	19.8	20.2	---	---	---	21.2	18.7	20.1	22.1	21.2	21.7
9	21.4	20.1	20.6	---	---	---	21.1	18.9	20.1	22.5	20.4	21.4
10	22.6	20.3	21.4	25.0	22.8	23.8	21.0	19.8	20.4	22.2	20.8	21.6
11	23.6	21.0	22.3	24.9	22.8	23.8	21.7	19.5	20.7	21.9	20.4	21.3
12	24.0	21.8	22.9	24.8	22.8	23.8	22.2	20.5	21.5	21.5	20.3	21.0
13	23.2	22.1	22.7	25.3	23.0	24.1	21.5	19.6	20.5	21.0	20.2	20.6
14	22.7	21.9	22.3	24.9	22.8	23.8	20.8	19.1	20.1	20.6	19.3	20.1
15	23.3	21.9	22.4	23.8	22.2	23.0	21.8	20.5	21.1	20.2	19.6	19.9
16	23.7	21.8	22.6	22.9	20.8	22.0	22.0	20.9	21.4	22.5	20.2	21.0
17	24.3	22.2	23.3	23.3	21.7	22.4	21.9	20.5	21.2	22.2	20.9	21.4
18	24.2	22.6	23.4	23.8	22.1	23.0	22.6	20.7	21.7	21.0	19.5	20.4
19	24.8	22.5	23.6	23.6	21.3	22.5	22.8	20.6	21.7	20.2	17.8	18.9
20	23.9	22.1	23.2	23.4	21.0	22.2	22.9	21.3	22.1	18.7	16.8	17.7
21	23.3	22.1	22.7	23.3	21.0	22.2	22.9	21.7	22.3	18.4	16.6	17.6
22	24.2	21.9	22.9	24.0	21.7	22.8	22.9	21.6	22.3	18.6	16.6	17.7
23	23.5	22.1	22.6	25.0	22.4	23.6	22.7	21.8	22.3	19.5	17.2	18.3
24	22.6	21.8	22.3	25.1	22.8	24.0	22.7	21.3	22.1	20.0	18.4	19.2
25	24.1	21.8	22.8	24.3	23.1	23.7	22.8	21.6	22.2	20.2	18.8	19.5
26	23.4	21.9	22.5	23.9	22.5	23.1	23.0	21.4	22.2	19.7	18.3	19.1
27	23.3	21.7	22.3	23.5	22.6	23.0	23.1	21.3	22.3	20.1	19.1	19.4
28	22.6	21.6	22.0	24.8	23.1	23.9	23.6	21.7	22.7	21.3	19.6	20.4
29	22.7	20.8	21.7	24.4	22.8	23.5	23.6	22.1	22.7	20.6	19.0	19.7
30	22.5	21.4	21.8	24.6	23.4	24.1	23.3	21.7	22.6	19.7	17.8	18.9
31	---	---	---	24.4	22.8	23.7	23.5	21.8	22.6	---	---	---
MONTH	---	---	---	---	---	---	24.7	18.7	22.0	22.7	16.6	20.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	63	9.1	29	11	7.9	9.2	8.1	5.7	6.6
2	---	---	---	---	---	---	14	6.2	7.5	12	5.6	6.5
3	13	7.5	9.2	---	---	---	20	7.9	10	9.1	5.3	6.5
4	18	9.6	12	---	---	---	---	---	---	13	5.9	6.7
5	20	9.1	11	321	10	12	---	---	---	220	6.1	7.3
6	16	5.4	9.6	258	36	94	10	7.6	8.3	76	18	29
7	26	5.3	6.5	38	13	20	8.2	6.4	7.2	19	10	13
8	19	5.5	6.4	20	11	14	8.5	6.0	6.9	15	7.8	8.8
9	14	<5.0	5.3	15	9.7	11	11	6.2	7.0	15	7.8	10
10	23	6.6	8.7	12	9.6	10	391	6.9	144	12	6.2	7.2
11	12	7.5	9.8	12	8.5	9.2	93	28	43	8.3	5.7	6.4
12	17	6.6	11	9.9	7.0	8.0	29	17	21	9.5	6.2	7.0
13	18	8.0	9.2	15	7.4	8.2	50	14	16	12	5.5	6.5
14	14	6.7	13	13	6.9	9.5	142	28	58	---	---	---
15	22	8.0	11	9.8	6.3	7.0	49	14	19	---	---	---
16	17	6.2	7.8	7.2	5.1	5.8	20	10	12	9.7	5.2	6.0
17	9.4	5.9	6.5	44	5.2	19	23	11	16	12	<5.0	6.7
18	8.8	5.8	6.4	299	14	19	16	9.5	11	54	6.1	16
19	17	6.1	8.4	>2200	133	322	11	7.7	8.7	12	6.2	7.6
20	7.8	5.6	6.4	137	46	83	8.9	7.1	7.7	7.3	5.0	5.8
21	18	6.6	9.4	47	27	37	---	---	---	7.1	<5.0	5.0
22	11	6.3	7.2	50	24	27	---	---	---	7.3	<5.0	<5.0
23	23	5.3	6.8	67	16	22	46	6.1	7.2	8.8	<5.0	<5.0
24	25	13	15	27	15	19	157	24	46	8.7	<5.0	<5.0
25	22	14	18	24	12	16	24	10	14	556	<5.0	206
26	150	6.8	13	22	9.3	11	12	8.0	9.2	219	33	62
27	117	26	56	170	7.2	8.7	10	6.7	7.5	34	21	25
28	26	13	18	188	40	60	9.3	5.8	6.4	25	14	17
29	15	10	11	42	14	18	7.4	5.6	6.3	16	11	12
30	31	12	18	15	9.7	11	24	6.4	11	13	9.3	11
31	27	11	15	---	---	---	11	6.9	7.8	12	6.9	8.4
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.4	6.3	7.2	6.7	<5.0	<5.0	9.2	<5.0	<5.0	---	---	---
2	290	<5.0	6.9	7.6	<5.0	<5.0	9.4	<5.0	<5.0	---	---	---
3	231	26	47	10	<5.0	<5.0	95	<5.0	<5.0	---	---	---
4	30	12	17	12	<5.0	<5.0	15	<5.0	<5.0	169	22	39
5	14	8.3	11	12	<5.0	<5.0	13	<5.0	<5.0	105	42	67
6	407	7.1	98	86	<5.0	20	14	<5.0	<5.0	51	20	27
7	94	26	40	17	7.3	10	<5.0	<5.0	<5.0	146	15	37
8	28	16	20	11	<5.0	<5.0	<5.0	<5.0	<5.0	122	19	28
9	18	11	14	7.5	<5.0	<5.0	<5.0	<5.0	<5.0	115	17	19
10	13	6.4	8.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	930	33	71
11	10	<5.0	5.1	<5.0	<5.0	<5.0	14	<5.0	9.9	34	18	26
12	386	<5.0	105	<5.0	<5.0	<5.0	830	<5.0	<5.0	>2200	22	31
13	55	26	34	<5.0	<5.0	<5.0	830	49	193	2200	176	544
14	66	22	41	<5.0	<5.0	<5.0	51	24	30	292	44	62
15	211	21	69	<5.0	<5.0	<5.0	26	13	17	49	21	28
16	69	18	28	20	<5.0	<5.0	15	7.8	12	1880	19	22
17	20	12	14	8.1	<5.0	<5.0	12	5.5	8.0	577	60	198
18	16	8.7	11	14	8.0	11	7.9	<5.0	6.3	2100	37	216
19	21	6.3	8.4	14	<5.0	10	8.2	<5.0	5.1	202	69	86
20	9.6	<5.0	6.3	12	<5.0	8.6	11	<5.0	<5.0	96	38	54
21	10	<5.0	6.3	8.3	<5.0	<5.0	6.5	<5.0	<5.0	40	23	26
22	10	<5.0	5.5	<5.0	<5.0	<5.0	6.1	<5.0	<5.0	35	18	22
23	12	<5.0	<5.0	<5.0	<5.0	<5.0	9.3	<5.0	<5.0	22	16	18
24	11	<5.0	<5.0	<5.0	<5.0	<5.0	5.8	<5.0	<5.0	21	13	15
25	13	<5.0	<5.0	12	<5.0	<5.0	6.1	<5.0	<5.0	18	12	14
26	39	5.8	11	8.5	<5.0	<5.0	20	<5.0	5.6	25	12	14
27	30	12	19	8.5	<5.0	<5.0	26	<5.0	10	22	11	14
28	24	7.4	9.8	<5.0	<5.0	<5.0	7.4	<5.0	<5.0	17	10	13
29	8.4	<5.0	6.0	<5.0	<5.0	<5.0	6.4	<5.0	<5.0	---	---	---
30	---	---	---	55	<5.0	21	7.6	<5.0	<5.0	---	---	---
31	---	---	---	15	<5.0	8.9	---	---	---	---	---	---
MAX	407	26	105	86	8.0	21	830	49	193	---	---	---
MIN	8.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	431	22	35	42	25	30	754	5.4	14
2	19	12	13	437	35	73	123	18	24	---	---	---
3	19	10	12	53	19	25	20	14	17	---	---	---
4	19	9.9	11	57	16	20	15	11	14	16	9.1	11
5	25	9.3	12	26	13	15	78	10	12	18	7.5	9.0
6	21	9.7	11	---	---	---	22	9.9	16	15	6.6	7.9
7	20	10	12	---	---	---	12	8.0	9.2	---	---	---
8	24	17	19	---	---	---	12	6.9	7.8	---	---	---
9	19	9.4	12	---	---	---	10	6.6	7.9	52	21	34
10	18	8.4	10	16	8.8	10	10	6.7	7.8	24	12	17
11	13	7.8	9.8	13	8.2	9.7	12	6.8	7.6	14	8.7	10
12	20	8.4	11	12	7.7	9.1	>2200	7.4	152	10	6.7	7.8
13	51	14	31	13	7.9	8.9	86	27	42	11	5.4	6.4
14	62	14	24	1820	7.5	11	34	18	22	10	<5.0	5.7
15	16	9.3	12	492	23	50	25	12	16	8.8	<5.0	<5.0
16	20	9.5	11	25	14	17	18	10	12	>2200	<5.0	14
17	15	8.3	10	72	11	14	14	8.4	9.8	650	71	159
18	14	7.6	8.6	52	13	22	12	8.0	8.9	71	27	44
19	13	7.4	8.7	16	8.3	10	11	7.6	8.6	27	14	20
20	12	7.2	9.3	24	7.8	9.1	12	7.2	8.2	14	9.3	12
21	1660	8.9	11	14	7.0	8.8	12	7.0	8.0	11	6.9	8.0
22	528	38	76	17	7.3	8.8	8.3	5.6	6.6	12	5.4	7.0
23	169	44	57	16	7.0	8.7	24	6.6	10	10	5.2	5.9
24	488	23	32	18	6.7	8.3	15	5.8	6.8	13	<5.0	5.9
25	>2200	81	277	17	6.8	8.6	14	5.6	6.9	11	<5.0	<5.0
26	205	36	61	27	10	19	7.9	5.2	5.9	9.7	<5.0	<5.0
27	>2200	25	37	1610	7.5	9.0	9.1	5.1	5.9	612	<5.0	7.0
28	442	74	152	1600	66	163	12	<5.0	5.7	346	41	101
29	185	46	61	>2200	31	51	284	<5.0	6.1	42	16	28
30	69	26	40	793	86	218	61	8.7	14	19	9.7	13
31	---	---	---	87	38	51	15	<5.0	5.6	---	---	---
MAX	---	---	---	---	---	---	2200	27	152	---	---	---
MIN	---	---	---	---	---	---	7.9	5.0	5.6	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA

LOCATION.—Lat 34°00'37", long 83°53'39", referenced to North American Dautm (NAD) 1927, Gwinnett County, Hydrologic Unit 03070101, at 3 - 10’ x 8’ concrete box culverts, 3.0 miles west of Dacula, GA.

DRAINAGE AREA.—5.68 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 25, 2001 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)
OCT													
03...	0755	--	9	81213	2.6	.56	--	7.0	--	--	150	--	--
DEC													
22...	0930	--	9	81213	5.0	.62	--	7.1	--	--	26	--	--
FEB													
06-06	1315	1325	J	81213	90	1.47	--	290	--	--	1000	--	--
MAR													
02...	1235	--	9	81213	6.4	.66	--	8.5	--	--	74	--	--
23...	1110	--	9	81213	2.6	.60	--	13	--	--	180	--	--
APR													
13-13	0730	0735	J	81213	49	1.22	--	280	--	--	9600	--	--
MAY													
25...	1120	--	9	81213	3.8	.57	--	15	--	--	230	--	--
MAY													
31-31	1245	1250	J	81213	19	.80	--	89	--	--	8400	--	--
JUL													
07...	0950	--	9	81213	1.1	--	--	18	.7	<5	370	5.00	19
JUL													
14-14	2005	2035	J	81213	31	1.05	--	310	7.6	<5	11000	4.00	15
AUG													
12-12	0014	0943	J	80855	--	--	560	680	12.0	26	28000	2.60	15

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)
OCT													
03...	--	--	45	9	4	.43	.450	A.042	<.20	<.02	<.02	--	--
DEC													
22...	--	--	43	1	<1	.49	.490	A.085	<.20	<.02	<.02	--	--
FEB													
06-06	--	--	35	312	40	.64	.620	A.183	1.4	<.02	.20	--	--
MAR													
02...	--	--	39	4	2	.45	.490	A.058	<.20	<.02	<.02	--	--
23...	--	--	49	2	1	.48	.490	A.043	<.20	<.02	<.02	--	--
APR													
13-13	--	--	44	299	44	.77	.780	A.351	2.1	<.02	.22	--	--
MAY													
25...	--	--	49	6	1	.36	.430	A.100	.30	<.02	<.02	--	--
MAY													
31-31	--	--	45	74	14	.53	.530	A.114	.80	<.02	.07	--	--
JUL													
07...	1.50	--	51	4	<1	.37	.360	A.045	<.20	<.02	<.02	<.5	<1
JUL													
14-14	1.10	--	43	362	50	.63	.510	A.275	2.3	.03	.24	.5	8
AUG													
12-12	.70	1.2	100	1100	150	.410	.330	.160	1.9	<.050	<.050	<5	E5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Organic carbon, water, unfltrd mg/L (00680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT							
03...	--	--	--	--	2.3	--	4
DEC							
22...	--	--	--	--	1.5	--	2
FEB							
06-06	--	--	--	--	3.1	59	471
MAR							
02...	--	--	--	--	1.2	--	4
23...	--	--	--	--	1.2	--	3
APR							
13-13	--	--	--	--	4.2	74	350
MAY							
25...	--	--	--	--	2.3	--	6
MAY							
31-31	--	--	--	--	3.5	--	--
JUL							
07...	<2	<2	181	<2	3.1	--	5
JUL							
14-14	7	8	1440	39	4.2	74	439
AUG							
12-12	M	M	1100	40	--	53	1870

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
03...	0759	9	15.0	2.6	.56	95	9.7	6.3	66	13.0	7.3	--	--
03...	0800	9	10.0	2.6	.56	94	9.7	6.3	66	13.0	7.8	--	--
03...	0801	9	5.00	2.6	.56	94	9.7	6.4	67	13.0	8.7	--	--
DEC													
22...	0936	9	4.00	5.0	.62	96	12.3	6.7	62	3.8	7.8	--	8
22...	0937	9	9.00	5.0	.62	96	12.4	6.8	62	3.8	7.9	--	4
22...	0938	9	14.0	5.0	.62	96	12.4	6.8	62	3.8	7.5	--	2
FEB													
06...	1328	J	19.0	96	1.51	116	14.4	6.6	50	5.8	360	63	453
06...	1330	J	13.0	96	1.51	116	14.4	6.6	50	5.8	370	50	525
06...	1332	J	7.00	96	1.51	115	14.3	6.6	50	5.8	360	49	612
MAR													
02...	1240	9	6.00	6.4	.66	102	10.7	6.8	57	13.2	11	--	--
02...	1241	9	11.0	6.4	.66	102	10.7	6.8	57	13.2	9.4	--	--
02...	1242	9	16.0	6.4	.66	102	10.7	6.8	57	13.2	9.4	--	--
23...	1113	9	15.0	2.6	.60	129	14.9	6.9	60	8.5	17	--	--
23...	1114	9	20.0	2.6	.60	129	15.0	6.9	60	8.5	11	--	--
23...	1115	9	25.0	2.6	.60	129	14.9	6.9	60	8.5	8.8	--	--
APR													
13...	0739	J	16.0	47	1.21	93	9.8	6.8	54	12.9	320	69	323
13...	0740	J	10.0	47	1.21	92	9.8	6.7	54	12.9	320	58	362
13...	0741	J	6.00	47	1.21	92	9.7	6.7	54	12.9	320	71	331
MAY													
25...	1124	9	15.5	3.8	.57	98	8.5	6.4	60	21.3	35	--	--
25...	1125	9	10.5	3.8	.57	97	8.4	6.4	60	21.3	24	--	--
25...	1126	9	5.50	3.8	.57	96	8.3	6.4	60	21.3	20	--	--
31...	1252	J	5.00	19	.80	75	6.5	6.7	59	21.3	27	70	88
31...	1253	J	9.00	19	.80	81	7.0	6.7	59	21.3	37	70	88
31...	1254	J	13.0	19	.80	84	7.2	6.7	59	21.3	48	70	88
JUL													
07...	1002	9	14.0	1.1	--	99	8.4	7.0	65	22.2	14	--	--
07...	1003	9	9.00	1.1	--	96	8.2	7.0	65	22.2	12	--	--
07...	1004	9	4.00	1.1	--	95	8.1	7.0	65	22.2	12	--	--
14...	2036	J	16.0	36	1.11	89	7.2	6.2	59	24.1	340	72	402
14...	2037	J	10.0	36	1.11	89	7.2	6.4	58	24.0	320	84	465
14...	2038	J	4.00	36	1.11	89	7.2	6.4	58	24.0	320	70	434
AUG													
12...	1051	J	25.0	162	2.08	92	7.9	6.2	39	21.5	690	74	987
12...	1052	J	15.0	160	2.06	91	7.8	9.2	39	21.5	680	67	1110
12...	1053	J	5.00	158	2.05	90	7.7	6.2	39	21.5	670	65	1170

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

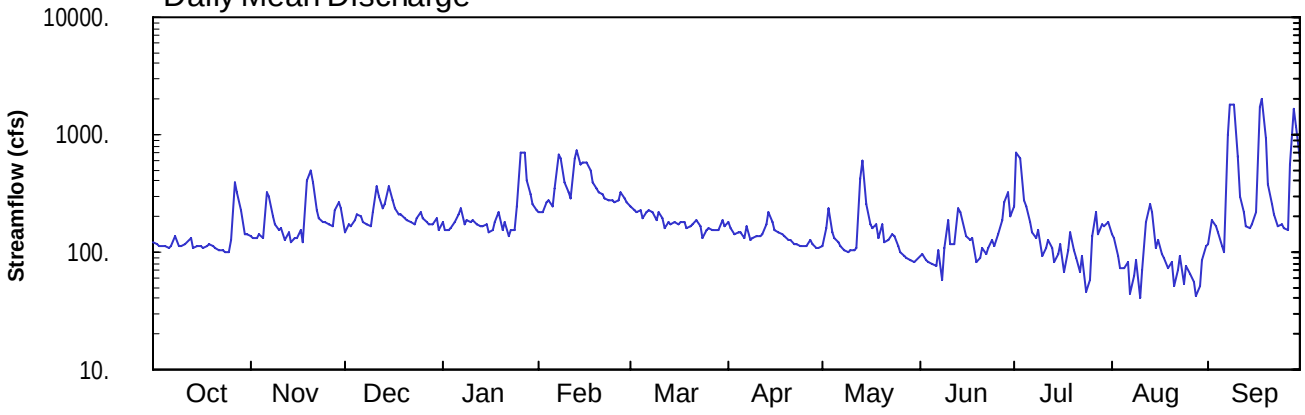
ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA

Latitude: 33°47'17" Longitude: 083°28'27" Hydrologic Unit Code: 03070101

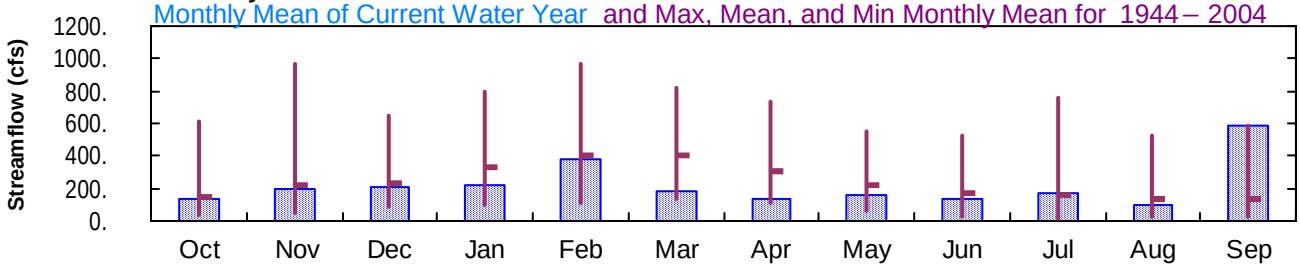
Oconee County Datum: 544.14 feet Drainage Area: 176. mi²

Daily Mean Discharge

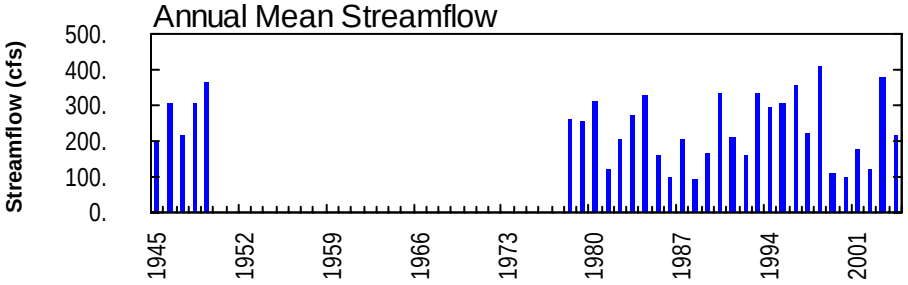


Monthly Statistics

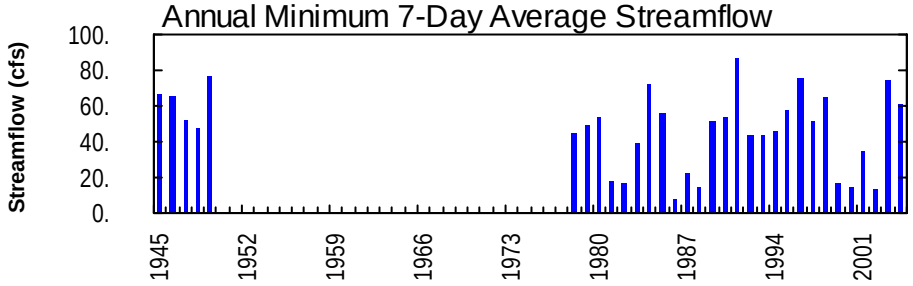
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1944 – 2004

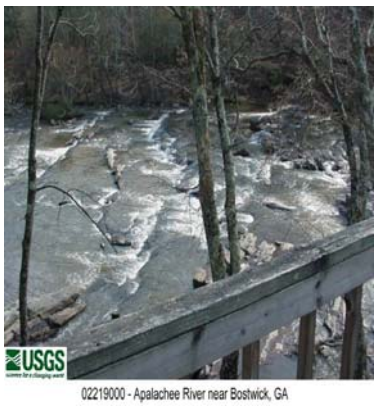


Annual Mean Streamflow



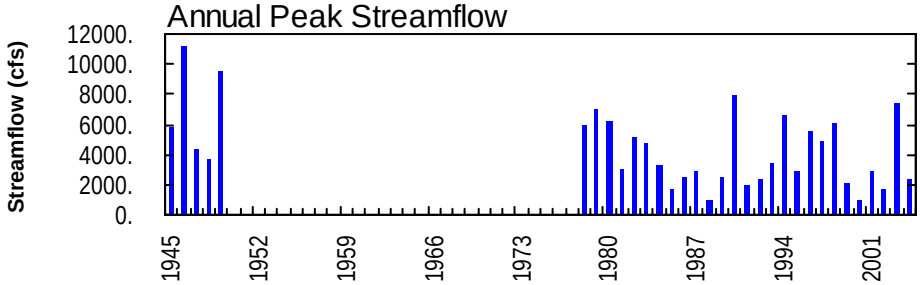
Annual Minimum 7-Day Average Streamflow





02219000 - Apalachee River near Bostwick, GA

Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2004 Water Year

02219000 APALACHEE RIVER NEAR BOSTWICK, GA

LOCATION.—Lat 33°47'17", long 83°28'27", referenced to North American Datum (NAD) of 1927, Morgan-Oconee County line, Hydrologic Unit 03070101, on left bank 1,000 feet upstream from bridge on Price Mill Road, 3.0 miles southwest of Bishop, 4.0 miles upstream from Jacks Creek, and 4.0 miles northeast of Bostwick.

DRAINAGE AREA.—176 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1944 to December 1949, April 1977 to current year.

REVISED RECORDS.—WDR GA-91-1: 1946(M), 1949(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 544.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good. Some regulation at low flow occurs due to the operation of the High Shoals power plant.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/27	2300	2,330*	4.37*

No other peaks above base discharge

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1944 to December 1949, April 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 544.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 4.37 feet, September 27; minimum gage-height recorded, 1.26 feet, June 8.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02219000 APALACHEE RIVER NEAR BOSTWICK, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 219
LATITUDE 334717 LONGITUDE 0832827 NAD27 DRAINAGE AREA 176 CONTRIBUTING DRAINAGE AREA 176* DATUM 544.14 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	137	147	177	214	244	176	114	94	244	139	115
2	117	132	172	153	222	227	161	162	96	704	132	184
3	114	130	165	155	269	221	140	236	86	629	93	165
4	112	141	189	161	273	231	147	150	82	276	74	145
5	111	132	212	178	245	197	151	131	78	245	74	111
6	110	325	201	209	353	217	132	120	75	178	83	101
7	115	296	183	233	686	224	165	114	103	146	45	1000
8	135	201	171	173	619	222	127	105	58	133	62	1780
9	112	172	165	186	388	190	131	101	110	153	87	1790
10	114	156	222	181	324	214	139	103	190	91	42	654
11	118	161	360	183	292	191	137	102	118	106	70	301
12	121	129	294	172	630	162	141	107	119	127	180	214
13	133	150	236	168	731	179	170	429	238	109	258	164
14	107	120	253	165	560	176	217	609	214	83	222	159
15	113	129	361	173	588	183	182	252	161	96	107	170
16	111	129	274	148	578	174	157	175	139	118	128	220
17	110	152	239	156	488	180	147	160	126	69	97	1690
18	112	124	207	183	391	183	140	175	129	105	88	2040
19	115	403	207	215	346	159	134	130	82	149	73	914
20	113	493	192	155	318	167	128	171	89	106	82	376
21	108	393	185	180	307	171	124	123	108	91	52	259
22	105	224	178	136	286	184	119	126	97	68	69	211
23	102	195	176	153	273	164	116	144	108	91	93	167
24	100	182	194	151	277	132	113	136	125	46	53	174
25	100	182	217	245	267	156	111	111	112	58	77	162
26	124	172	196	699	277	157	113	102	140	139	64	153
27	394	164	182	697	319	155	124	94	187	216	57	558
28	328	226	175	413	289	155	119	88	266	139	43	1650
29	223	267	171	312	264	155	109	85	319	175	51	1190
30	140	234	191	252	---	188	106	83	205	168	85	637
31	143	---	151	229	---	165	---	84	---	183	112	---
TOTAL	4181	6051	6466	6991	11074	5723	4176	4822	4054	5241	2892	17454
MEAN	135	202	209	226	382	185	139	156	135	169	93.3	582
MAX	394	493	361	699	731	244	217	609	319	704	258	2040
MIN	100	120	147	136	214	132	106	83	58	46	42	101
CFSM	0.77	1.15	1.19	1.28	2.17	1.05	0.79	0.88	0.77	0.96	0.53	3.31
IN.	0.88	1.28	1.37	1.48	2.34	1.21	0.88	1.02	0.86	1.11	0.61	3.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	153	220	233	328	401	402	305	218	169	157	131	133
MAX	613	969	647	799	969	816	734	548	525	758	531	582
(WY)	1996	1949	1984	1946	1998	1980	1979	2003	1994	2003	1994	2004
MIN	32.0	51.0	85.5	95.6	115	132	106	61.9	29.7	14.8	20.1	27.2
(WY)	1982	1982	2002	1981	1989	1988	1986	2000	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	128466		79125			
ANNUAL MEAN	352		216		238	
HIGHEST ANNUAL MEAN					411	1998
LOWEST ANNUAL MEAN					94.3	1988
HIGHEST DAILY MEAN	6340	Jul 2	2040	Sep 18	6700	Jan 7 1946
LOWEST DAILY MEAN	85	Sep 21	42	Aug 10	7.5	Aug 10 1986
ANNUAL SEVEN-DAY MINIMUM	94	Sep 15	61	Aug 24	7.9	Aug 5 1986
MAXIMUM PEAK FLOW			2330	Sep 27	11200	Jan 6 1946
MAXIMUM PEAK STAGE			4.37	Sep 27	8.90	Jan 6 1946
ANNUAL RUNOFF (CFSM)	2.00		1.23		1.35	
ANNUAL RUNOFF (INCHES)	27.15		16.72		18.37	
10 PERCENT EXCEEDS	551		348		418	
50 PERCENT EXCEEDS	226		161		152	
90 PERCENT EXCEEDS	116		90		57	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02219000 APALACHEE RIVER NEAR BOSTWICK, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 219
LATITUDE 334717 LONGITUDE 0832827 NAD27 DRAINAGE AREA 176 CONTRIBUTING DRAINAGE AREA 176* DATUM 544.14 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.87	1.93	1.93	2.06	2.18	2.24	2.04	1.84	1.74	2.24	1.87	1.70
2	1.85	1.91	2.06	1.96	2.20	2.21	1.99	2.02	1.75	2.92	1.81	2.02
3	1.84	1.91	2.04	2.00	2.32	2.19	1.94	2.24	1.70	2.82	1.59	1.95
4	1.83	1.93	2.11	2.02	2.33	2.21	1.97	1.97	1.67	2.25	1.50	1.89
5	1.82	1.89	2.18	2.06	2.26	2.12	1.94	1.91	1.65	2.19	1.49	1.76
6	1.82	2.40	2.15	2.16	2.42	2.19	1.91	1.86	1.63	1.97	1.53	1.71
7	1.84	2.38	2.09	2.23	2.97	2.21	2.02	1.84	1.75	1.85	1.33	3.05
8	1.92	2.13	2.05	2.05	2.88	2.19	1.85	1.80	1.50	1.80	1.48	3.92
9	1.82	2.06	2.04	2.08	2.55	2.11	1.90	1.78	1.76	1.88	1.59	3.93
10	1.84	2.01	2.19	2.08	2.43	2.18	1.94	1.79	2.10	1.64	1.30	2.84
11	1.86	2.00	2.51	2.09	2.37	2.09	1.93	1.78	1.84	1.73	1.47	2.32
12	1.87	1.89	2.37	2.06	2.84	2.01	1.95	1.80	1.85	1.79	1.92	2.10
13	1.91	1.96	2.24	2.05	3.02	2.08	2.03	2.57	2.16	1.68	2.19	1.93
14	1.80	1.86	2.27	2.03	2.81	2.07	2.19	2.86	2.18	1.58	2.12	1.94
15	1.84	1.90	2.50	2.04	2.84	2.06	2.09	2.26	1.98	1.62	1.72	1.96
16	1.83	1.90	2.33	1.97	2.83	2.06	2.01	2.07	1.90	1.71	1.80	2.08
17	1.82	1.97	2.25	2.00	2.71	2.08	1.97	1.99	1.85	1.51	1.62	3.85
18	1.83	1.87	2.15	2.09	2.56	2.07	1.95	2.06	1.86	1.73	1.57	4.13
19	1.84	2.55	2.16	2.18	2.48	2.01	1.92	1.90	1.66	1.88	1.49	3.14
20	1.83	2.72	2.12	1.99	2.42	2.04	1.90	2.03	1.71	1.66	1.54	2.45
21	1.81	2.54	2.10	2.08	2.40	2.06	1.88	1.87	1.78	1.57	1.40	2.23
22	1.80	2.21	2.08	1.92	2.36	2.07	1.86	1.89	1.68	1.47	1.53	2.08
23	1.78	2.13	2.07	1.99	2.33	2.01	1.85	1.96	1.74	1.58	1.63	1.96
24	1.77	2.09	2.12	1.99	2.34	1.90	1.83	1.93	1.83	1.35	1.41	1.99
25	1.77	2.09	2.19	2.23	2.32	2.01	1.83	1.83	1.78	1.45	1.51	1.96
26	1.87	2.06	2.13	2.98	2.34	2.01	1.83	1.78	1.91	1.83	1.43	1.92
27	2.55	2.03	2.09	2.97	2.42	2.00	1.88	1.74	2.11	2.10	1.40	2.46
28	2.44	2.20	2.07	2.59	2.36	2.00	1.86	1.71	2.30	1.84	1.32	3.82
29	2.21	2.32	2.06	2.41	2.31	2.00	1.81	1.69	2.42	1.92	1.39	3.45
30	1.93	2.24	2.11	2.28	---	2.10	1.80	1.68	2.14	1.95	1.56	2.84
31	1.96	---	1.99	2.21	---	1.99	---	1.69	---	1.97	1.70	---
MEAN	1.90	2.10	2.15	2.16	2.50	2.08	1.93	1.94	1.86	1.85	1.59	2.51
MAX	2.55	2.72	2.51	2.98	3.02	2.24	2.19	2.86	2.42	2.92	2.19	4.13
MIN	1.77	1.86	1.93	1.92	2.18	1.90	1.80	1.68	1.50	1.35	1.30	1.70

ALTAMAHA RIVER BASIN
2004 Water Year

02220450 LAKE OCONEE NEAR EATONTON, GA

LOCATION.—Lat 33°21'00", long 83°09'28", referenced to North American Datum (NAD) of 1927, Putnam County, Hydrologic Unit 03070101, on Oconee River, 1.5 miles upstream from bridge on GA 16, and 13.3 miles east of Eatonton.

REMARKS.—Water levels and lake contents are collected by Georgia Power Corporation. Please see the following Internet location for more information:

http://lakes.southernco.com/

or call: 1-888-GPC-LAKE (1-888-472-5253)

2004 Water Year

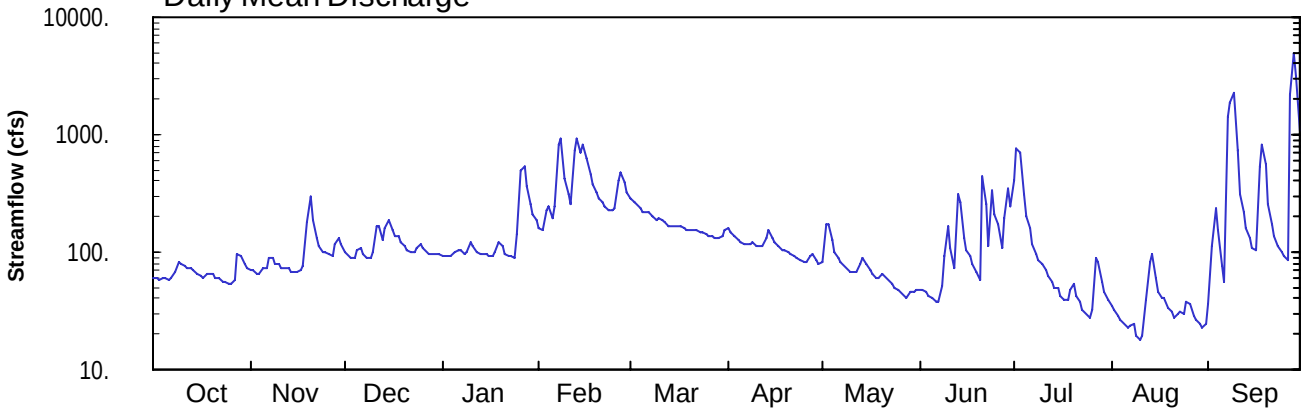
ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA

Latitude: 33°18'50" Longitude: 083°26'14" Hydrologic Unit Code: 03070101

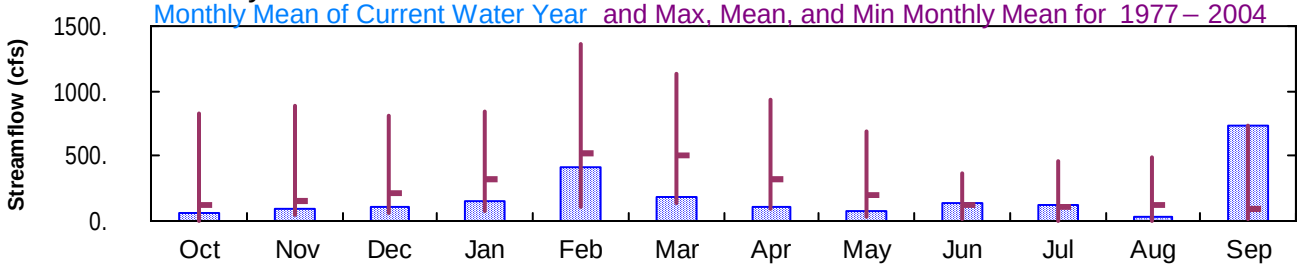
Putnam County Datum: 356.03 feet Drainage Area: 262. mi²

Daily Mean Discharge

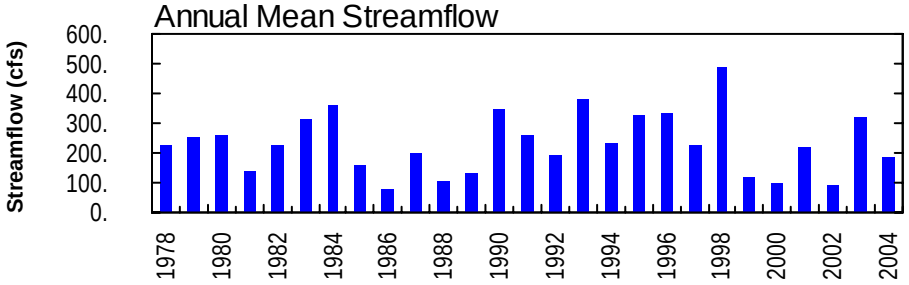


Monthly Statistics

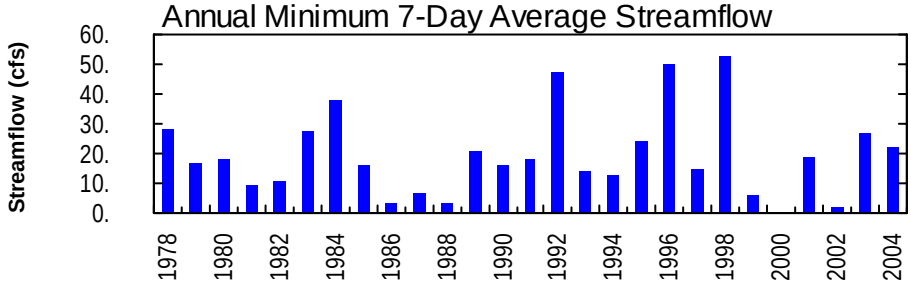
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1977 – 2004



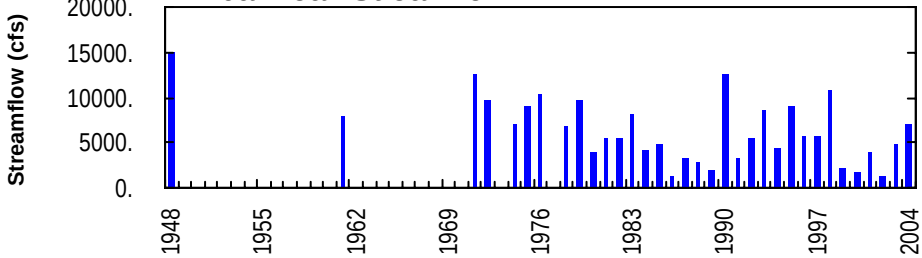
Annual Mean Streamflow

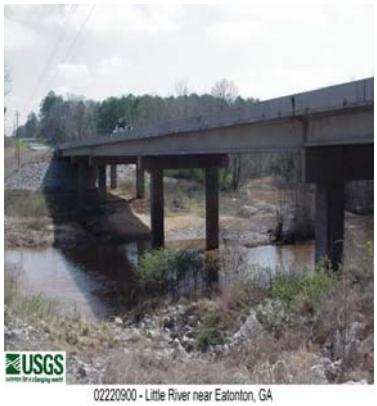


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





ALTAMAHA RIVER BASIN
2004 Water Year

02220900 LITTLE RIVER NEAR EATONTON, GA

LOCATION.—Lat 33°18'50", long 83°26'14", referenced to North American Datum (NAD) of 1927, Putnam County, Hydrologic Unit 03070101, on right bank, 80.0 feet upstream from bridge on GA 16, 0.9 miles downstream from Glady Creek, and 3.0 miles west of Eatonton.

DRAINAGE AREA.—262 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1971-77 (annual maximum), August 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 356.03 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). From February 19, 1970 to August 1, 1977, a crest-stage gage was located on the downstream side of bridge 80.0 feet downstream. From August 2, 1977 to August 25, 1987, a water-stage recorder was located 80.0 feet downstream on downstream side of bridge and datum 4.00 feet higher. From August 26, 1987 to December 10, 1995, a gage was located at downstream side of bridge 80.0 feet downstream and at same datum. From December 11, 1995 to August 8, 1997, a water-stage recorder was located at a site 20.0 feet upstream at same datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
06/21	1945	2,010	11.84
09/09	0600	2,680	13.61
09/27	2200	7,120*	22.61*

02220900 LITTLE RIVER NEAR EATONTON, GA --continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1971-77 (annual maximum), August 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 356.03 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). From February 19, 1970 to August 1, 1977, a crest-stage gage was located on the downstream side of bridge 80.0 feet downstream. From August 2, 1977 to August 25, 1987, a water-stage recorder was located 80.0 feet downstream on downstream side of bridge and datum 4.00 feet higher. From August 26, 1987 to December 10, 1995, a gage was located at downstream side of bridge 80.0 feet downstream and at same datum. From December 11, 1995 to August 8, 1997, a water-stage recorder was located at a site 20.0 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.61 feet, September 27; minimum gage-height recorded, 3.23 feet, August 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 21, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02220900 LITTLE RIVER NEAR EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331850 LONGITUDE 0832614 NAD27 DRAINAGE AREA 262 CONTRIBUTING DRAINAGE AREA 262* DATUM 356.03 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	70	100	94	162	286	157	83	47	411	35	37
2	60	70	93	92	153	270	146	170	47	774	32	114
3	58	66	89	91	231	254	e135	175	45	695	29	234
4	59	66	90	93	241	234	e127	125	42	307	27	151
5	60	73	102	99	195	223	e123	100	41	198	25	76
6	59	74	107	103	243	216	118	90	37	161	23	56
7	60	89	97	104	814	218	116	84	37	118	24	1390
8	67	87	91	94	915	200	117	77	52	96	25	1890
9	81	80	89	99	428	186	120	72	91	85	19	2270
10	80	78	98	119	310	191	114	69	166	78	18	726
11	76	73	165	114	259	187	112	67	109	70	19	314
12	74	73	164	101	730	177	112	67	73	62	40	215
13	73	73	128	97	916	169	133	80	313	55	81	161
14	71	69	158	95	715	164	154	90	265	50	95	131
15	65	68	189	96	828	163	134	79	132	49	60	109
16	63	68	153	93	623	166	119	70	105	42	46	106
17	61	71	138	91	461	168	111	65	93	39	41	536
18	64	76	138	102	375	157	105	61	79	39	40	835
19	65	179	124	121	328	155	102	61	67	47	34	556
20	64	302	112	110	292	152	99	65	58	55	31	255
21	61	190	105	98	269	152	95	62	448	42	27	173
22	60	131	99	94	248	151	91	57	251	37	30	134
23	57	110	99	92	229	146	88	54	112	33	30	114
24	55	100	109	89	225	149	86	50	337	30	30	102
25	54	99	117	142	235	140	84	48	207	28	37	93
26	54	95	108	500	403	136	82	45	172	32	36	86
27	58	92	100	527	482	134	93	43	107	89	28	2200
28	98	115	98	356	394	132	97	41	197	81	26	4930
29	91	130	96	259	324	133	85	46	345	57	24	3150
30	81	116	96	210	---	134	80	46	247	46	23	1070
31	73	---	97	184	---	155	---	47	---	40	25	---
TOTAL	2062	2983	3549	4559	12028	5498	3335	2289	4322	3946	1060	22214
MEAN	66.5	99.4	114	147	415	177	111	73.8	144	127	34.2	740
MAX	98	302	189	527	916	286	157	175	448	774	95	4930
MIN	54	66	89	89	153	132	80	41	37	28	18	37
CFSM	0.25	0.38	0.44	0.56	1.58	0.68	0.42	0.28	0.55	0.49	0.13	2.83
IN.	0.29	0.42	0.50	0.65	1.71	0.78	0.47	0.33	0.61	0.56	0.15	3.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	116	159	220	323	519	499	322	202	127	109	116	91.2
MAX	833	885	814	838	1363	1137	941	686	368	455	496	740
(WY)	1990	1993	1998	1978	1995	1998	1983	2003	2001	2003	1994	2004
MIN	6.01	39.2	54.7	77.6	101	142	94.5	34.6	10.9	1.41	3.98	13.9
(WY)	1988	1988	1989	1981	1989	1988	1986	2000	2000	2000	2002	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	106804		67845			
ANNUAL MEAN	293		185		232	
HIGHEST ANNUAL MEAN					488	1998
LOWEST ANNUAL MEAN					81.9	1986
HIGHEST DAILY MEAN	3950	Jul 3	4930	Sep 28	11400	Oct 2 1989
LOWEST DAILY MEAN	50	Sep 20	18	Aug 10	0.17	Jul 21 2000
ANNUAL SEVEN-DAY MINIMUM	55	Sep 16	22	Aug 5	0.30	Jul 18 2000
MAXIMUM PEAK FLOW			7120	Sep 27	12600	Mar 3 1971
MAXIMUM PEAK STAGE			22.61	Sep 27	28.78	Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.12		0.708		0.885	
ANNUAL RUNOFF (INCHES)	15.16		9.63		12.03	
10 PERCENT EXCEEDS	552		313		456	
50 PERCENT EXCEEDS	175		98		115	
90 PERCENT EXCEEDS	68		40		28	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02220900 LITTLE RIVER NEAR EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331850 LONGITUDE 0832614 NAD27 DRAINAGE AREA 262 CONTRIBUTING DRAINAGE AREA 262* DATUM 356.03 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.85	3.95	4.24	4.19	4.72	5.30	4.48	3.88	3.50	6.15	3.50	3.51
2	3.85	3.95	4.18	4.17	4.65	5.21	4.40	4.56	3.50	7.77	3.46	4.31
3	3.82	3.91	4.14	4.16	5.17	5.11	---	4.61	3.48	7.46	3.41	5.12
4	3.84	3.91	4.15	4.18	5.24	4.99	---	4.25	3.44	5.57	3.38	4.57
5	3.85	3.98	4.26	4.23	4.94	4.92	---	4.04	3.42	4.91	3.35	3.96
6	3.83	3.99	4.30	4.27	5.20	4.88	4.19	3.95	3.38	4.66	3.32	3.75
7	3.85	4.14	4.21	4.27	8.02	4.89	4.17	3.89	3.38	4.33	3.34	9.64
8	3.92	4.13	4.16	4.19	8.38	4.77	4.18	3.82	3.56	4.16	3.35	11.50
9	4.06	4.05	4.14	4.23	6.28	4.68	4.20	3.77	3.95	4.05	3.27	12.52
10	4.05	4.03	4.23	4.40	5.64	4.71	4.16	3.74	4.54	3.98	3.24	7.55
11	4.02	3.98	4.74	4.35	5.34	4.69	4.14	3.72	4.11	3.90	3.27	5.61
12	3.99	3.98	4.73	4.25	7.46	4.62	4.14	3.72	3.78	3.82	3.56	5.02
13	3.98	3.98	4.47	4.22	8.40	4.57	4.30	3.85	5.38	3.74	3.99	4.66
14	3.96	3.94	4.68	4.20	7.59	4.54	4.46	3.95	5.17	3.69	4.14	4.44
15	3.90	3.93	4.91	4.21	8.07	4.52	4.31	3.84	4.30	3.68	3.80	4.27
16	3.88	3.93	4.65	4.18	7.19	4.55	4.20	3.75	4.09	3.59	3.64	4.24
17	3.86	3.96	4.54	4.16	6.33	4.56	4.14	3.70	3.98	3.56	3.58	6.75
18	3.89	4.01	4.54	4.25	5.83	4.49	4.08	3.66	3.84	3.55	3.57	8.09
19	3.90	4.78	4.43	4.41	5.54	4.47	4.06	3.66	3.72	3.64	3.48	6.83
20	3.89	5.59	4.35	4.33	5.33	4.45	4.03	3.70	3.63	3.74	3.44	5.26
21	3.86	4.90	4.29	4.22	5.20	4.44	4.00	3.67	5.44	3.59	3.39	4.74
22	3.85	4.49	4.23	4.19	5.07	4.44	3.96	3.62	5.12	3.53	3.43	4.47
23	3.81	4.33	4.23	4.17	4.96	4.40	3.93	3.58	4.25	3.46	3.44	4.31
24	3.80	4.24	4.32	4.14	4.93	4.43	3.91	3.54	5.74	3.42	3.43	4.21
25	3.79	4.24	4.38	4.54	5.00	4.36	3.89	3.51	4.97	3.40	3.53	4.13
26	3.79	4.19	4.31	6.62	5.99	4.33	3.87	3.48	4.73	3.46	3.51	4.06
27	3.83	4.17	4.24	6.77	6.45	4.32	3.98	3.45	4.25	4.06	3.41	10.16
28	4.21	4.36	4.23	5.90	5.94	4.30	4.02	3.43	4.90	4.01	3.37	18.49
29	4.16	4.49	4.21	5.34	5.52	4.31	3.90	3.48	5.79	3.76	3.35	14.70
30	4.06	4.37	4.21	5.04	---	4.32	3.85	3.49	5.22	3.64	3.32	8.88
31	3.98	---	4.22	4.87	---	4.47	---	3.50	---	3.56	3.35	---
MEAN	3.91	4.20	4.35	4.54	6.01	4.61	---	3.77	4.29	4.19	3.47	6.66
MAX	4.21	5.59	4.91	6.77	8.40	5.30	---	4.61	5.79	7.77	4.14	18.49
MIN	3.79	3.91	4.14	4.14	4.65	4.30	---	3.43	3.38	3.40	3.24	3.51

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02220900 LITTLE RIVER NEAR EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331850 LONGITUDE 0832614 NAD27 DRAINAGE AREA 262 CONTRIBUTING DRAINAGE AREA 262* DATUM 356.03 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.01	0.00	2.25
2	0.00	0.00	0.00	0.00	0.46	0.00	0.00	1.04	0.00	0.69	0.00	0.01
3	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
5	0.00	0.00	0.01	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
6	0.00	0.00	0.00	0.00	0.93	0.05	0.00	0.00	0.00	0.00	0.00	0.92
7	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	4.73
8	0.10	0.00	0.00	0.04	0.00	0.00	0.06	0.00	0.86	0.00	0.00	0.09
9	0.00	0.00	0.00	0.25	0.00	0.01	0.00	0.00	0.31	0.00	0.00	0.00
10	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.23	0.00
11	0.01	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.01	0.00
12	0.00	0.00	0.00	0.00	0.95	0.00	0.01	0.09	0.00	0.00	1.57	0.00
13	0.00	0.00	0.17	0.00	0.00	0.00	0.48	0.00	0.01	0.00	0.00	0.00
14	0.09	0.00	0.25	0.00	0.67	0.00	0.00	0.00	0.08	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.24	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.00	1.16
17	0.26	0.00	0.17	0.12	0.00	0.00	0.00	0.00	0.10	0.02	0.02	0.74
18	0.00	0.73	0.00	0.17	0.00	0.00	0.00	0.07	0.18	0.01	0.00	0.00
19	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
21	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	3.41	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00
23	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00
24	0.00	0.08	0.07	0.00	0.12	0.00	0.00	0.00	0.02	0.00	0.52	0.00
25	0.00	0.00	0.00	1.31	0.59	0.00	0.00	0.00	0.89	0.00	0.01	0.00
26	0.09	0.00	0.00	0.81	0.75	0.00	0.12	0.00	0.00	0.00	0.00	0.00
27	0.00	0.76	0.00	0.01	0.00	0.00	0.00	0.00	0.44	0.00	0.00	4.98
28	0.22	0.21	0.00	0.00	0.00	0.00	0.00	0.12	0.30	0.25	0.00	0.01
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.05	0.00	0.00	0.00
30	0.00	0.00	0.05	0.00	---	0.20	0.01	0.00	0.09	0.00	0.87	0.00
31	0.00	---	0.00	0.00	---	0.08	---	0.09	---	0.00	0.04	---
TOTAL	0.81	2.68	1.55	2.89	4.77	0.46	0.68	1.69	9.19	1.03	3.37	14.89

2004 Water Year

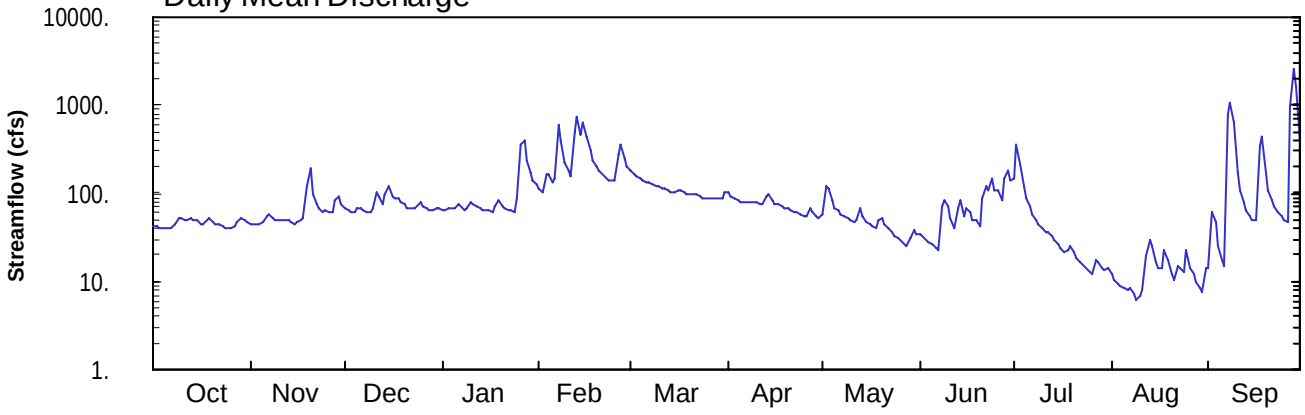
ALTAMAHA RIVER BASIN

02221525 MURDER CREEK BELOW EATONTON, GA

Latitude: 33°15'08" Longitude: 083°28'53" Hydrologic Unit Code: 03070101

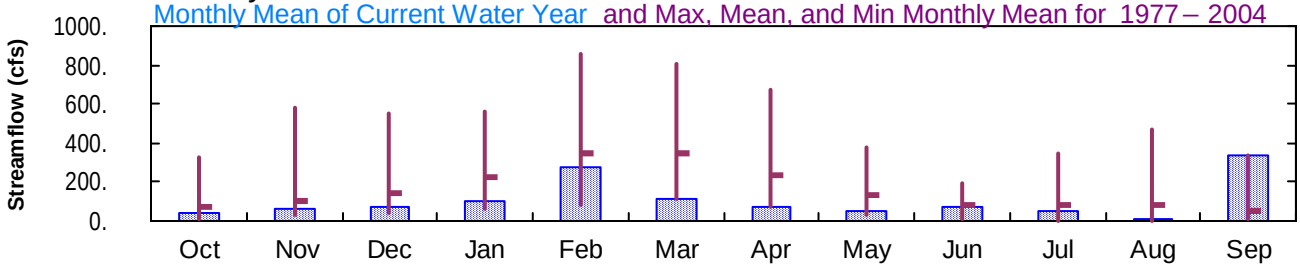
Putnam County Datum: 375.09 feet Drainage Area: 190. mi²

Daily Mean Discharge

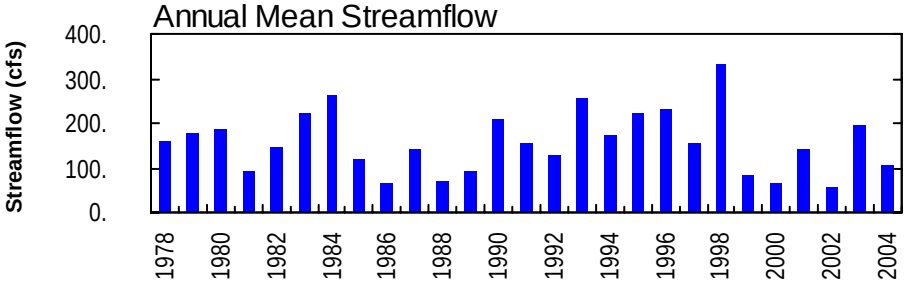


Monthly Statistics

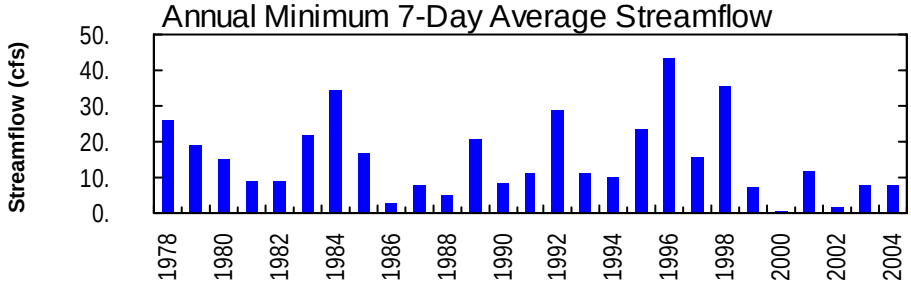
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1977 – 2004



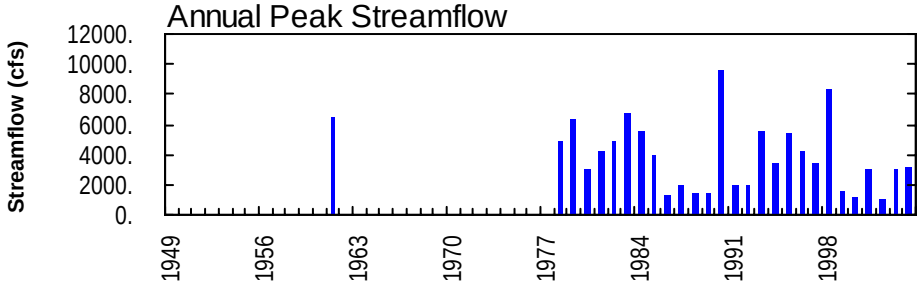
Annual Mean Streamflow

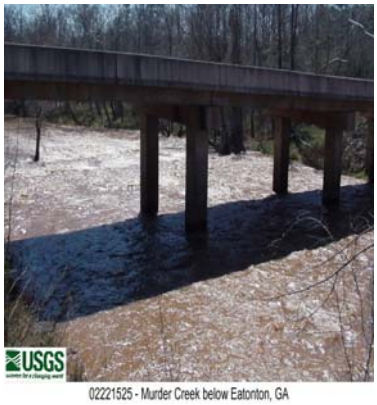


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02221525 - Murder Creek below Eatonton, GA

ALTAMAHA RIVER BASIN
2004 Water Year

02221525 MURDER CREEK BELOW EATONTON, GA

LOCATION.—Lat 33°15'08", long 83°28'53", referenced to North American Datum (NAD) of 1983, Putnam County, Hydrologic Unit 03070101, in left bank 300 feet upstream from bridge on County Road S-777, 3.0 miles downstream from Beaverdam Creek, 5.8 miles upstream from mouth, and 7.5 miles southwest of Eatonton.

DRAINAGE AREA.—190 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 375.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good. Some diurnal fluctuation occurs at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/28	0430	3,160*	6.33*

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 375.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.33 feet, September 28; minimum gage-height recorded, 1.10 feet, August 9.

02221525 MURDER CREEK BELOW EATONTON, GA--continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 21, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02221525 MURDER CREEK BELOW EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331508 LONGITUDE 0832853 NAD27 DRAINAGE AREA 190 CONTRIBUTING DRAINAGE AREA 190* DATUM 375.09 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	45	67	64	112	178	e102	57	34	145	12	15
2	41	46	64	66	105	165	91	120	32	354	10	62
3	41	45	62	68	168	156	88	117	30	216	9.4	47
4	41	45	62	67	160	146	84	83	28	120	9.1	25
5	41	47	69	68	131	139	81	69	27	88	8.6	18
6	41	54	67	74	149	136	79	63	24	70	8.2	15
7	41	57	63	72	597	136	79	58	23	57	8.4	774
8	45	52	61	64	390	124	80	55	72	50	7.4	1090
9	53	50	60	67	223	117	80	51	82	45	6.1	622
10	52	50	66	80	179	118	77	48	73	40	6.9	177
11	50	50	104	73	156	116	76	47	53	37	7.9	108
12	50	51	91	70	483	112	76	48	41	36	20	78
13	52	50	77	67	741	108	91	67	68	33	30	64
14	50	47	96	66	470	105	98	56	85	29	25	55
15	49	46	117	66	637	105	84	48	56	26	16	48
16	46	47	94	64	451	107	77	44	69	23	14	50
17	44	50	88	62	301	109	73	42	60	21	14	335
18	50	53	88	70	238	101	71	41	49	22	23	432
19	52	117	80	82	205	99	68	50	49	26	17	173
20	48	189	74	71	183	97	66	52	41	22	12	110
21	46	99	69	67	168	98	64	44	88	19	10	84
22	44	76	67	64	153	95	62	41	123	17	15	71
23	42	67	67	64	142	90	60	37	106	16	14	62
24	41	62	72	62	138	89	57	34	148	14	13	55
25	41	63	78	88	141	89	56	31	107	13	23	50
26	41	61	71	357	281	89	55	29	110	12	14	46
27	42	60	67	406	349	89	68	27	82	18	12	984
28	48	83	66	241	245	88	63	25	146	16	9.8	2570
29	51	93	66	171	200	87	54	31	184	14	8.4	1600
30	50	75	66	143	---	89	52	38	138	13	7.5	421
31	47	---	66	126	---	102	---	34	---	14	14	---
TOTAL	1422	1930	2305	3170	7896	3479	2212	1587	2228	1626	405.7	10241
MEAN	45.9	64.3	74.4	102	272	112	73.7	51.2	74.3	52.5	13.1	341
MAX	53	189	117	406	741	178	102	120	184	354	30	2570
MIN	41	45	60	62	105	87	52	25	23	12	6.1	15
CFSM	0.24	0.34	0.39	0.54	1.43	0.59	0.39	0.27	0.39	0.28	0.07	1.80
IN.	0.28	0.38	0.45	0.62	1.55	0.68	0.43	0.31	0.44	0.32	0.08	2.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	67.5	104	144	221	350	350	234	137	81.2	81.1	76.7	54.8
MAX	322	583	549	559	858	807	674	380	195	351	468	341
(WY)	1990	1993	1998	1978	1995	1998	1983	2003	2001	1994	1984	2004
MIN	11.6	26.9	39.0	56.2	81.5	112	70.5	32.4	10.3	2.04	3.69	11.2
(WY)	1988	1982	2002	1989	1989	2004	1986	2000	2000	2000	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	69693		38501.7			
ANNUAL MEAN	191		105		158	
HIGHEST ANNUAL MEAN					335	1998
LOWEST ANNUAL MEAN					56.9	2002
HIGHEST DAILY MEAN	2320	Jul 3	2570	Sep 28	7150	Mar 9 1998
LOWEST DAILY MEAN	34	Sep 21	6.1	Aug 9	0.23	Jul 22 2000
ANNUAL SEVEN-DAY MINIMUM	38	Sep 16	7.6	Aug 5	0.60	Jul 17 2000
MAXIMUM PEAK FLOW			3160	Sep 28	9630	Mar 18 1990
MAXIMUM PEAK STAGE			6.33	Sep 28	13.13	Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.00		0.554		0.830	
ANNUAL RUNOFF (INCHES)	13.65		7.54		11.28	
10 PERCENT EXCEEDS	360		172		293	
50 PERCENT EXCEEDS	111		64		80	
90 PERCENT EXCEEDS	47		17		22	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02221525 MURDER CREEK BELOW EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331508 LONGITUDE 0832853 NAD27 DRAINAGE AREA 190 CONTRIBUTING DRAINAGE AREA 190* DATUM 375.09 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.57	1.60	1.77	1.75	2.00	2.23	---	1.70	1.49	2.09	1.25	1.29
2	1.57	1.60	1.75	1.76	1.96	2.19	1.90	1.99	1.47	2.60	1.22	1.74
3	1.56	1.60	1.73	1.77	2.19	2.16	1.88	1.98	1.45	2.30	1.20	1.65
4	1.56	1.60	1.74	1.77	2.17	2.13	1.86	1.83	1.43	2.01	1.19	1.44
5	1.56	1.61	1.78	1.77	2.07	2.10	1.85	1.75	1.42	1.86	1.18	1.35
6	1.56	1.66	1.77	1.81	2.12	2.09	1.83	1.72	1.38	1.76	1.17	1.30
7	1.56	1.69	1.74	1.80	3.07	2.09	1.84	1.68	1.36	1.69	1.17	3.17
8	1.60	1.65	1.73	1.75	2.71	2.04	1.84	1.66	1.74	1.64	1.15	3.77
9	1.66	1.63	1.73	1.77	2.36	2.02	1.84	1.63	1.82	1.61	1.11	3.08
10	1.65	1.63	1.76	1.84	2.23	2.02	1.83	1.61	1.77	1.57	1.14	2.24
11	1.63	1.63	1.96	1.80	2.16	2.01	1.82	1.60	1.64	1.55	1.16	1.99
12	1.64	1.64	1.90	1.78	2.80	2.00	1.82	1.61	1.55	1.54	1.36	1.85
13	1.65	1.63	1.82	1.77	3.28	1.98	1.90	1.74	1.71	1.52	1.50	1.77
14	1.63	1.61	1.92	1.76	2.86	1.96	1.93	1.67	1.84	1.48	1.44	1.71
15	1.62	1.60	2.02	1.76	3.13	1.97	1.86	1.61	1.67	1.44	1.32	1.66
16	1.60	1.61	1.91	1.75	2.83	1.97	1.82	1.58	1.75	1.41	1.29	1.67
17	1.59	1.63	1.88	1.74	2.55	1.98	1.80	1.57	1.69	1.40	1.28	2.56
18	1.63	1.66	1.89	1.79	2.40	1.95	1.79	1.55	1.61	1.41	1.41	2.80
19	1.65	1.96	1.84	1.85	2.31	1.94	1.77	1.62	1.62	1.45	1.34	2.23
20	1.62	2.24	1.81	1.79	2.25	1.93	1.76	1.64	1.56	1.40	1.25	2.00
21	1.60	1.92	1.78	1.77	2.20	1.93	1.75	1.57	1.73	1.36	1.22	1.88
22	1.59	1.81	1.76	1.75	2.15	1.92	1.74	1.55	2.01	1.33	1.29	1.81
23	1.57	1.76	1.77	1.75	2.11	1.90	1.72	1.51	1.94	1.31	1.29	1.76
24	1.56	1.74	1.80	1.74	2.10	1.89	1.71	1.49	2.10	1.28	1.26	1.71
25	1.56	1.75	1.83	1.87	2.11	1.89	1.70	1.46	1.94	1.26	1.41	1.68
26	1.56	1.73	1.79	2.64	2.48	1.89	1.69	1.44	1.95	1.25	1.29	1.64
27	1.57	1.72	1.77	2.75	2.65	1.89	1.77	1.42	1.82	1.34	1.25	3.17
28	1.62	1.86	1.76	2.40	2.42	1.89	1.74	1.40	2.09	1.32	1.20	5.64
29	1.64	1.91	1.76	2.21	2.30	1.88	1.68	1.45	2.22	1.29	1.17	4.43
30	1.63	1.82	1.76	2.12	---	1.89	1.67	1.53	2.06	1.27	1.15	2.77
31	1.61	---	1.76	2.05	---	1.95	---	1.49	---	1.28	1.28	---
MEAN	1.60	1.72	1.81	1.89	2.41	1.99	---	1.61	1.73	1.55	1.26	2.26
MAX	1.66	2.24	2.02	2.75	3.28	2.23	---	1.99	2.22	2.60	1.50	5.64
MIN	1.56	1.60	1.73	1.74	1.96	1.88	---	1.40	1.36	1.25	1.11	1.29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02221525 MURDER CREEK BELOW EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331508 LONGITUDE 0832853 NAD27 DRAINAGE AREA 190 CONTRIBUTING DRAINAGE AREA 190* DATUM 375.09 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.08	0.00	1.66
2	0.00	0.00	0.00	0.00	0.50	0.00	0.00	1.11	0.00	0.81	0.00	0.07
3	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01
4	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.05	0.01	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.78	0.04	0.00	0.00	0.00	0.00	0.00	1.12
7	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	3.76
8	0.19	0.02	0.00	---	0.00	0.00	0.07	0.00	0.46	0.00	0.00	0.08
9	0.00	0.01	0.00	0.26	0.00	0.05	0.00	0.00	0.17	0.01	0.00	0.00
10	0.01	0.00	0.67	0.01	0.02	0.00	0.00	0.00	0.01	0.00	0.19	0.00
11	0.01	0.00	0.00	0.00	0.19	0.00	0.00	0.02	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.11	0.00	0.02	0.56	0.00	0.06	1.51	0.00
13	0.01	0.00	0.20	0.00	0.00	0.00	0.55	0.00	1.33	0.00	0.00	0.00
14	0.07	0.00	0.28	0.00	0.71	0.00	0.00	0.00	0.25	0.00	0.00	0.03
15	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.27	0.00	0.00	0.01
16	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	1.30
17	0.34	0.00	0.22	0.10	0.00	0.00	0.00	0.00	0.90	0.23	0.00	0.64
18	0.00	0.69	0.00	0.20	0.00	0.00	0.00	0.70	0.05	0.00	0.00	0.00
19	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
21	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.20	1.44	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.72	0.00	0.00	0.00
23	0.00	0.00	0.13	0.00	0.01	0.00	0.00	0.00	0.49	0.00	0.00	0.00
24	0.00	0.07	0.06	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.64	0.00
25	0.00	0.00	0.00	1.21	0.64	0.00	0.00	0.00	0.68	0.00	0.00	0.00
26	0.02	0.00	0.00	1.13	0.89	0.00	0.25	0.00	0.00	0.00	0.01	0.00
27	0.00	0.83	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.00	0.00	4.81
28	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.33	0.77	0.19	0.00	0.01
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.05	0.00	0.00	0.00
30	0.00	0.00	0.04	0.00	---	0.12	0.01	0.00	0.06	0.02	0.29	0.00
31	0.00	---	0.00	0.00	---	0.07	---	0.17	---	0.00	0.04	---
TOTAL	1.09	2.51	1.80	---	5.01	0.45	0.91	3.74	8.24	1.42	2.80	13.50

02222500 LAKE SINCLAIR NEAR MILLEDGEVILLE, GA

LOCATION.—Lat 33°08'27", long 83°12'08", referenced to North American Datum (NAD) of 1927, Baldwin County, Hydrologic Unit 03070101, on Oconee River, 1.5 miles upstream from Georgia Railroad bridge, and 4.0 miles north of Milledgeville.

REMARKS.—Water levels and lake contents are collected by Georgia Power Corporation. Please see the following Internet location for more information:

http://lakes.southernco.com/

or call: 1-888-GPC-LAKE (1-888-472-5253)

2004 Water Year

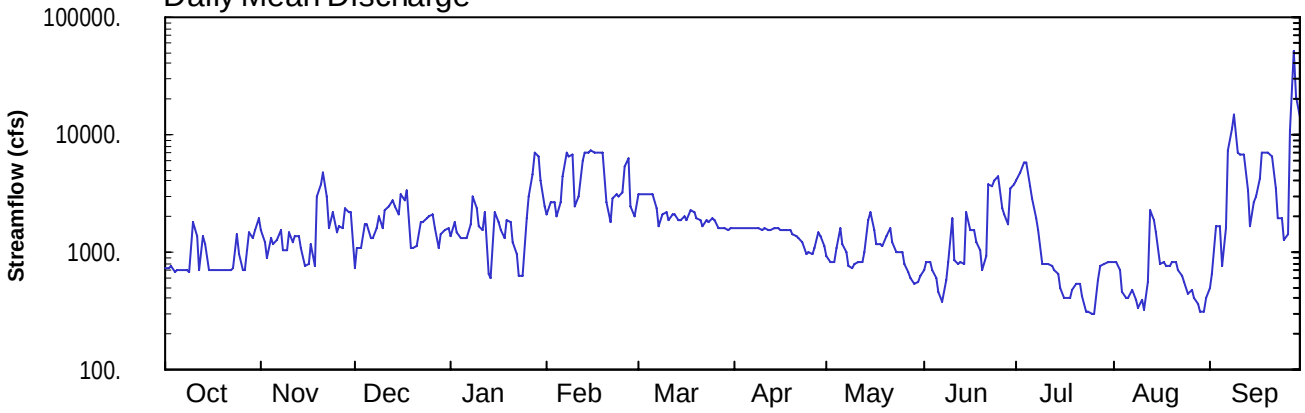
ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA

Latitude: 33°05'22" Longitude: 083°12'56" Hydrologic Unit Code: 03070102

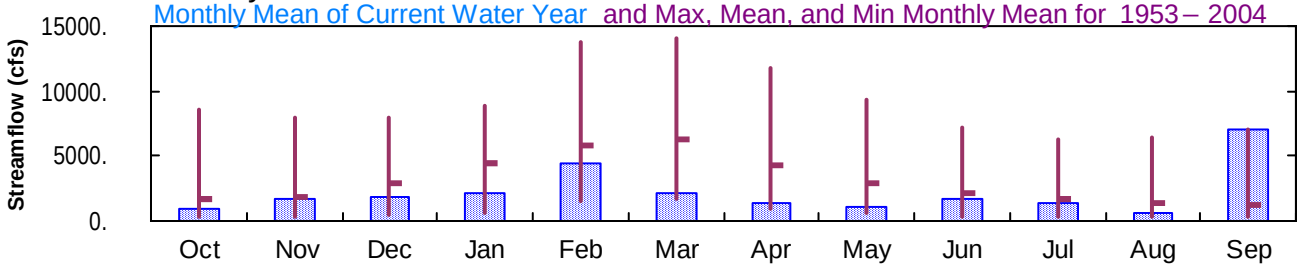
Baldwin County Datum: 230.84 feet Drainage Area: 2950. mi²

Daily Mean Discharge

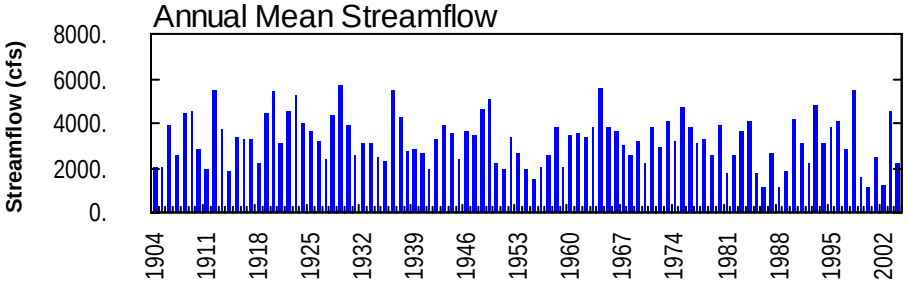


Monthly Statistics

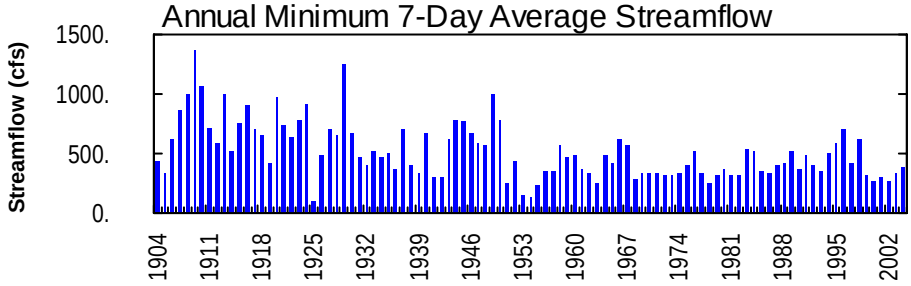
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1953 – 2004



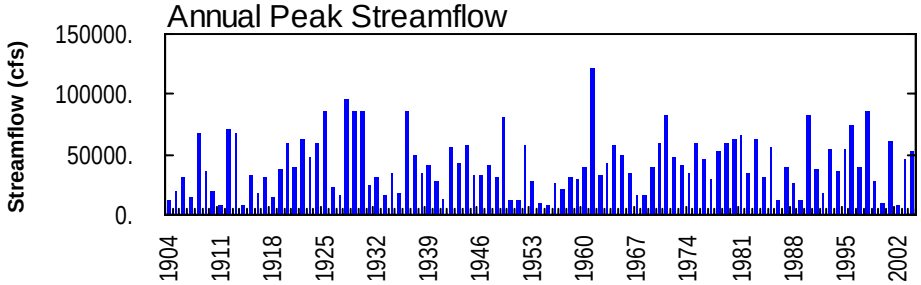
Annual Mean Streamflow

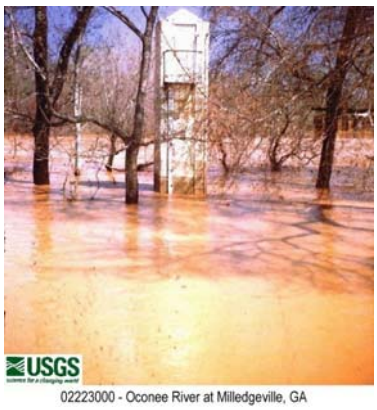


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02223000 - Oconee River at Milledgeville, GA

ALTAMAHA RIVER BASIN
2004 Water Year

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA

LOCATION.—Lat 33°05'22", long 83°12'56", referenced to North American Datum (NAD) of 1927, Baldwin County, Hydrologic Unit 03070102, 0.5 miles upstream from bridge on GA 24, 3.8 miles downstream from Sinclair Dam, and at mile 139.1.

DRAINAGE AREA.—2,950 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1903 to current year.

REVISED RECORDS.—WSP 1142: 1928(M). WSP 1504: 1903-4, 1908, 1912-13, 1914(M), 1915-17. WSP 1554: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 230.84 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to May 23, 1906, from January 1 to October 5, 1909, and from January 1, 1932, to September 30, 1939, a non-recording gage was installed at a site 0.5 miles downstream, and from October 1, 1939, to March 8, 1966, a water-stage recorder was located at a site 0.3 miles downstream, all at present datum. From May 23, 1906, to December 31, 1908, and from October 6, 1909, to December 31, 1931, a non-recording gage was located at Fraleys Ferry, 6.8 miles upstream at different datum.

REMARKS.—Records good, except for the periods of estimated daily discharge, which are poor. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952. Slight diurnal fluctuation and some regulation occur at low flow by Barnett Shoals power plant since 1911, and prior to Sinclair Reservoir development. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, 46.7 feet in 1886 at site 0.5 miles downstream at present datum, from information furnished by Georgia Department of Transportation.

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1903 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 230.84 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to May 23, 1906, from January 1 to October 5, 1909, and from January 1, 1932, to September 30, 1939, a non-recording gage was installed at a site 0.5 miles downstream, and from October 1, 1939, to March 8, 1966, a water-stage recorder was located at a site 0.3 miles downstream, all at present datum. From May 23, 1906, to December 31, 1908, and from October 6, 1909, to December 31, 1931, a non-recording gage was located at Fraleys Ferry, 6.8 miles upstream at different datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 31.34 feet, September 28; minimum gage-height recorded, 7.21 feet, August 11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 22, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223000 OCONEE RIVER AT MILLEDGEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 009
LATITUDE 330522 LONGITUDE 0831256 NAD27 DRAINAGE AREA 2950 CONTRIBUTING DRAINAGE AREA 2950* DATUM 230.84 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	731	1510	738	1350	2120	3050	1620	910	705	4130	816	501
2	736	1230	1060	1760	2620	3100	1620	838	818	4790	807	659
3	758	899	1090	1500	2660	3100	1590	819	837	5780	709	1630
4	683	1320	1730	1330	2050	3100	1590	1080	e693	5760	456	1660
5	718	1150	1710	1300	2660	3100	1590	1600	e592	3600	401	771
6	703	1250	1290	1310	4460	3070	1590	1190	e455	2830	413	1580
7	693	1530	1310	1720	7060	2390	1580	1000	e376	1930	471	7430
8	690	1050	1620	2930	6590	1650	1570	763	575	1510	397	11300
9	686	1030	1980	2410	6800	2130	1570	730	818	792	335	14700
10	1820	1480	1570	1640	2430	2160	1560	783	1910	804	385	6920
11	1370	1240	2260	1550	2990	1840	1590	813	852	788	316	6890
12	706	1360	2420	2200	6030	2130	1530	809	803	771	559	6870
13	1370	1380	2800	639	7080	2120	1550	1010	820	699	2270	3350
14	1160	1070	2440	608	7150	1870	1600	1870	796	644	1880	1690
15	717	752	2140	2180	7180	1850	1580	2160	2190	499	1470	2680
16	714	790	3120	1770	7100	2010	1570	1520	1520	403	802	2990
17	698	1150	2710	1540	7080	1900	1540	1190	1510	411	836	4210
18	709	769	3420	1330	7100	2230	1540	1180	1220	411	760	7010
19	713	3040	1090	1840	6920	2170	1530	1130	1030	474	752	7020
20	699	3790	1080	1780	2680	1970	1440	1380	704	534	809	7020
21	708	4790	1120	1210	1810	1860	1350	1600	925	e527	825	6420
22	714	2930	1760	943	2840	1640	1320	1190	3710	e425	703	3480
23	718	1600	1790	615	3060	1880	1220	1000	3640	306	627	1950
24	1400	2220	1950	616	2930	1810	972	1010	4000	306	555	1930
25	966	1460	2010	1930	3250	1960	999	983	4490	301	443	1280
26	704	1670	2120	3020	5300	1870	958	791	2330	302	479	1410
27	696	1610	1610	4610	6330	1620	1100	e682	2080	569	412	10800
28	1490	2320	1090	6960	2480	1620	1490	e611	1700	756	362	50700
29	1320	2210	1420	6520	2040	1620	1360	e545	3540	786	307	20800
30	1540	2210	1560	4130	---	1570	1130	e563	3810	828	306	14400
31	1900	---	1570	2470	---	1590	---	625	---	823	403	---
TOTAL	29230	50810	55578	65711	130800	65980	43249	32375	49449	43489	21066	210051
MEAN	943	1694	1793	2120	4510	2128	1442	1044	1648	1403	680	7002
MAX	1900	4790	3420	6960	7180	3100	1620	2160	4490	5780	2270	50700
MIN	683	752	738	608	1810	1570	958	545	376	301	306	501
CFSM	0.32	0.57	0.61	0.72	1.53	0.72	0.49	0.35	0.56	0.48	0.23	2.37
IN.	0.37	0.64	0.70	0.83	1.65	0.83	0.55	0.41	0.62	0.55	0.27	2.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2004, BY WATER YEAR (WY)

MEAN	1661	1912	2869	4377	5770	6238	4351	2949	2096	1685	1449	1274
MAX	8495	7929	7946	8879	13810	14030	11780	9288	7142	6304	6372	7002
(WY)	1990	1993	1993	1978	1998	1971	1964	1964	1963	2003	1994	2004
MIN	344	330	429	642	1454	1747	969	599	333	283	286	358
(WY)	1955	1982	2002	1956	1989	1988	1986	2000	2000	2002	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1953 - 2004	
ANNUAL TOTAL	1488634		797788			
ANNUAL MEAN	4078		2180		3039	
HIGHEST ANNUAL MEAN					5581	1964
LOWEST ANNUAL MEAN					1133	1986
HIGHEST DAILY MEAN	32700	May 23	50700	Sep 28	81500	Feb 25 1961
LOWEST DAILY MEAN	574	Sep 17	301	Jul 25	90	Apr 3 1955
ANNUAL SEVEN-DAY MINIMUM	647	Sep 16	386	Jul 20	129	Nov 17 1953
MAXIMUM PEAK FLOW			53300	Sep 28	122000	Feb 25 1961
MAXIMUM PEAK STAGE			31.34	Sep 28	42.90	Feb 25 1961
ANNUAL RUNOFF (CFSM)	1.38		0.739		1.03	
ANNUAL RUNOFF (INCHES)	18.77		10.06		14.00	
10 PERCENT EXCEEDS	7970		4280		7180	
50 PERCENT EXCEEDS	2690		1520		1770	
90 PERCENT EXCEEDS	714		587		400	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223000 OCONEE RIVER AT MILLEDGEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 009
LATITUDE 330522 LONGITUDE 0831256 NAD27 DRAINAGE AREA 2950 CONTRIBUTING DRAINAGE AREA 2950* DATUM 230.84 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.07	8.85	8.09	8.55	9.18	10.25	9.11	8.33	8.04	10.65	8.20	7.71
2	8.07	8.57	8.30	8.92	9.56	10.28	9.11	8.23	8.20	11.17	8.19	7.97
3	8.11	8.28	8.33	8.65	9.61	10.28	9.08	8.21	8.23	11.77	8.05	8.84
4	8.00	8.66	8.87	8.53	9.18	10.29	9.08	8.49	7.99	11.76	7.64	8.86
5	8.06	8.50	8.89	8.49	9.58	10.28	9.08	9.09	---	10.33	7.53	8.14
6	8.04	8.59	8.48	8.53	10.82	10.26	9.09	8.67	---	9.72	7.56	8.89
7	8.02	8.86	8.50	8.87	12.34	9.74	9.08	8.45	---	9.11	7.66	12.47
8	8.02	8.41	8.83	9.81	12.14	9.14	9.07	8.13	7.84	8.78	7.52	14.40
9	8.01	8.38	9.10	9.42	12.23	9.52	9.07	8.08	8.13	8.17	7.40	16.10
10	8.93	8.84	8.80	8.87	9.25	9.55	9.06	8.16	9.36	8.19	7.49	12.29
11	8.61	8.61	9.29	8.71	9.82	9.30	9.09	8.20	8.25	8.17	7.35	12.27
12	8.04	8.74	9.42	9.25	11.73	9.53	9.04	8.19	8.19	8.14	7.78	12.27
13	8.60	8.75	9.69	7.94	12.35	9.52	9.05	8.45	8.21	8.03	9.29	9.99
14	8.45	8.45	9.46	7.89	12.38	9.32	9.10	9.32	8.18	7.95	9.04	9.03
15	8.06	8.11	9.21	9.21	12.39	9.31	9.07	9.59	9.29	7.71	8.73	9.62
16	8.05	8.17	9.94	8.94	12.36	9.44	9.07	9.01	8.87	7.54	8.18	9.83
17	8.03	8.52	9.65	8.77	12.35	9.35	9.05	8.67	8.87	7.55	8.23	10.57
18	8.05	8.14	10.17	8.53	12.36	9.61	9.04	8.66	8.60	7.55	8.12	12.32
19	8.05	10.10	8.36	9.00	12.27	9.56	9.03	8.60	8.42	7.67	8.11	12.33
20	8.03	10.72	8.34	8.95	9.65	9.41	8.94	8.87	8.04	7.77	8.19	12.33
21	8.04	11.25	8.35	8.51	8.92	9.31	8.85	9.09	8.22	---	8.22	12.06
22	8.05	9.83	8.91	8.26	9.74	9.13	8.82	8.67	10.35	---	8.04	10.15
23	8.06	8.80	8.96	7.91	9.90	9.33	8.71	8.45	10.28	7.33	7.92	9.09
24	8.63	9.25	9.06	7.91	9.84	9.28	8.41	8.46	10.55	7.33	7.81	9.08
25	8.31	8.74	9.12	9.19	10.04	9.40	8.44	8.42	10.91	7.32	7.61	8.61
26	8.04	8.92	9.23	10.06	11.21	9.32	8.39	8.17	9.38	7.32	7.68	8.68
27	8.03	8.82	8.83	11.13	11.97	9.11	8.56	8.03	9.18	7.79	7.55	13.85
28	8.79	9.41	8.34	12.30	9.49	9.11	8.99	---	8.92	8.12	7.45	30.49
29	8.65	9.34	8.69	12.07	9.33	9.12	8.85	---	10.22	8.16	7.33	18.69
30	8.87	9.34	8.78	10.62	---	9.07	8.59	---	10.41	8.22	7.33	15.66
31	9.23	---	8.79	9.40	---	9.09	---	7.92	---	8.21	7.53	---
MEAN	8.26	8.93	8.93	9.14	10.76	9.52	8.93	---	---	---	7.89	11.75
MAX	9.23	11.25	10.17	12.30	12.39	10.29	9.11	---	---	---	9.29	30.49
MIN	8.00	8.11	8.09	7.89	8.92	9.07	8.39	---	---	---	7.33	7.71

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223000 OCONEE RIVER AT MILLEDGEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 009
LATITUDE 330522 LONGITUDE 0831256 NAD27 DRAINAGE AREA 2950 CONTRIBUTING DRAINAGE AREA 2950* DATUM 230.84 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	1.52
2	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.34	0.00	0.59	0.00	0.51
3	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.05	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.01	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.96	0.03	0.00	0.00	0.00	0.09	0.00	1.38
7	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	1.42	0.00	4.09
8	0.18	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.32	0.05	0.00	0.16
9	0.00	0.00	0.00	0.24	0.00	0.06	0.00	0.00	1.15	0.00	0.00	0.00
10	0.00	0.00	0.43	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.23	0.00
11	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.10	0.00	2.15	0.00
13	0.00	0.00	0.20	0.00	0.00	0.00	0.01	0.00	0.18	0.00	0.00	0.12
14	0.10	0.00	0.17	0.00	0.76	0.00	0.00	0.00	0.28	0.00	0.00	0.11
15	0.00	0.00	0.01	0.00	0.09	0.00	0.01	0.00	0.37	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.68
17	0.16	0.00	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.27	0.13	0.13
18	0.00	0.76	0.00	0.29	0.00	0.00	0.00	0.00	0.16	0.01	0.00	0.00
19	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00
21	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.09	0.00	0.47	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.07	0.00
23	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.13	0.00	0.00	0.00
24	0.00	0.04	0.14	0.00	0.07	0.00	0.00	0.00	0.07	0.00	0.00	0.00
25	0.00	0.00	0.00	0.92	0.67	0.00	0.00	0.00	0.35	0.00	0.00	0.00
26	0.03	0.00	0.00	1.21	0.69	0.00	0.01	0.00	0.04	0.00	0.00	0.00
27	0.00	0.11	0.00	0.01	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4.06
28	0.48	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00
30	0.00	0.00	0.04	0.00	---	0.01	0.01	0.00	0.56	0.26	0.61	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.20	---	0.00	0.05	---
TOTAL	1.01	1.83	1.72	3.10	4.73	0.16	0.04	1.07	5.48	2.73	4.38	12.76

2004 Water Year

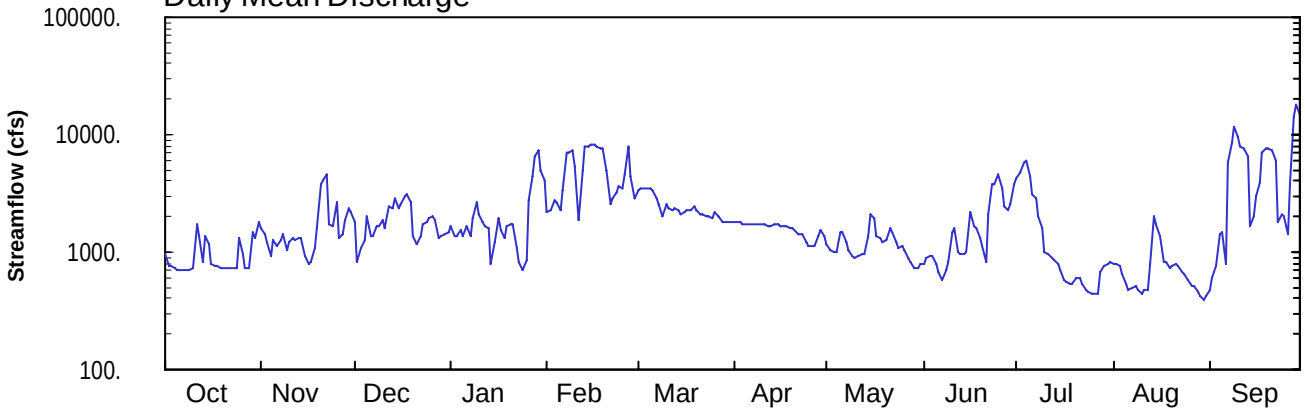
ALTAMAHA RIVER BASIN

02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA

Latitude: 32°56'23" Longitude: 083°04'01" Hydrologic Unit Code: 03070102

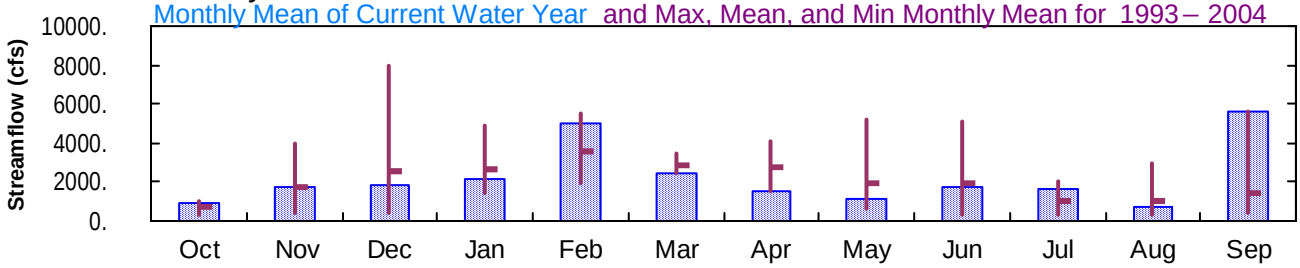
Washington County Datum: 203.36 feet Drainage Area: 3100. mi²

Daily Mean Discharge

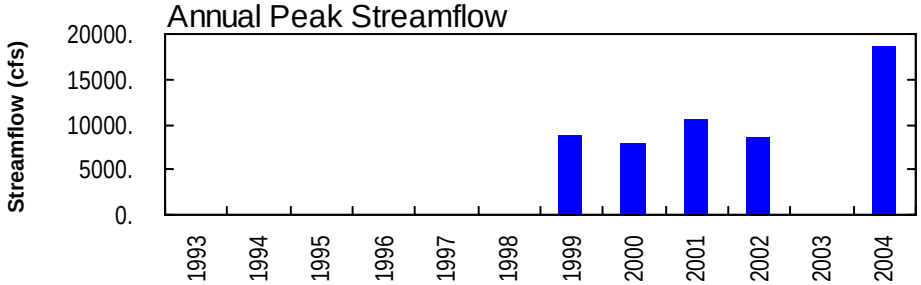


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1993 – 2004



Annual Peak Streamflow



02223056 - Oconee River at Avant Mine, near Oconee, GA

ALTAMAHA RIVER BASIN
2004 Water Year

02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA

LOCATION.—Lat 32°56'23", long 83°04'01", referenced to North American Datum (NAD) of 1927, Washington County, Hydrologic Unit 03070102, on left bank, 1.1 miles downstream from Gumm Creek, 1.6 miles upstream from Bluff Creek, and 8.8 miles northwest of Oconee.

DRAINAGE AREA.—3,100 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1992 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 203.36 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Power Company).

REMARKS.—Records fair, except for periods of estimated discharges, which are poor. Flow regulated by Lake Oconee and Sinclair Reservoir.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1992 to current water year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 203.36 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Power Company).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.46 feet, September 29; minimum gage-height recorded, 1.52 feet, August 30, 31.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325623 LONGITUDE 0830401 NAD27 DRAINAGE AREA 3100 CONTRIBUTING DRAINAGE AREA 3100* DATUM 203.36 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	956	1580	1810	1680	2200	3370	1790	1190	778	4250	792	479
2	749	1410	833	1350	2270	3480	1790	1050	893	4750	783	610
3	757	1230	1080	1390	2750	3450	1770	1010	928	5870	774	761
4	738	924	1280	1510	2610	3430	1730	985	913	5910	647	1440
5	714	1280	2000	1350	2230	3420	1720	1500	804	4410	526	1470
6	712	1140	1380	1690	3390	3400	1730	1470	684	3060	481	785
7	714	1280	1360	1340	6990	2890	1710	1240	577	2870	498	5720
8	707	1410	1630	1970	7120	2530	1730	1040	690	2050	521	8540
9	704	1050	1670	2700	7240	1990	1720	909	829	1610	473	11600
10	719	1210	1860	2110	e5400	2600	1710	904	1490	1010	445	9570
11	1750	1300	1620	1830	1900	2340	1710	939	1600	947	477	7760
12	1370	1250	2490	1650	5040	2250	1680	955	983	904	477	7480
13	808	1290	2350	1610	7840	2380	1690	952	979	859	797	6470
14	1340	1320	2850	778	7820	2290	1730	1350	976	778	2050	1630
15	1160	936	2340	1220	8300	2140	1720	2130	1020	709	1750	2000
16	788	795	2590	1950	8080	2180	1690	1930	2160	581	1360	3030
17	759	808	2930	1530	7840	2240	1660	1380	1650	553	835	3910
18	750	1090	3050	1320	7740	2240	1640	1300	1600	542	814	7150
19	746	1570	2630	1650	7700	2450	1630	1230	1330	543	738	7570
20	739	3810	1390	1730	5030	2290	1620	1270	1150	592	753	7590
21	732	4060	1190	1740	2530	2130	1490	1600	832	597	788	7440
22	727	4600	1360	1080	2850	2070	1440	1500	2090	533	768	6070
23	730	1740	1730	831	3260	2010	1410	1200	3780	467	679	1780
24	728	1670	1770	702	3580	2050	1230	1100	3800	450	652	2140
25	1310	2680	1970	852	3510	1910	1130	1120	4520	448	568	2040
26	966	1340	2030	2710	4640	2170	1110	1020	3480	443	511	1400
27	744	1400	1880	4410	8000	2010	1130	898	2450	442	518	3760
28	737	1860	1330	6600	4490	1810	1370	834	2260	685	465	14400
29	1450	2390	1360	7190	2890	1810	1530	742	2540	762	416	18100
30	1330	2180	1400	4950	---	1780	1360	725	3770	784	394	e15000
31	1790	---	1490	4050	---	1770	---	781	---	809	424	---
TOTAL	28924	50603	56653	67473	145240	74880	47370	36254	51556	49218	22174	167695
MEAN	933	1687	1828	2177	5008	2415	1579	1169	1719	1588	715	5590
MAX	1790	4600	3050	7190	8300	3480	1790	2130	4520	5910	2050	18100
MIN	704	795	833	702	1900	1770	1110	725	577	442	394	479
CFSM	0.30	0.54	0.59	0.70	1.62	0.78	0.51	0.38	0.55	0.51	0.23	1.80
IN.	0.35	0.61	0.68	0.81	1.74	0.90	0.57	0.44	0.62	0.59	0.27	2.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	723	1755	2553	2615	3605	2871	2714	1938	1925	1037	1050	1473
MAX	1022	3978	7927	4859	5503	3454	4052	5166	5073	2073	2981	5590
(WY)	1999	1998	1993	1995	2003	2002	1996	1998	2003	2001	2003	2004
MIN	354	371	446	1401	1894	2415	1579	635	345	321	321	363
(WY)	2000	2002	2002	2002	2001	2004	2004	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	798040			
ANNUAL MEAN	2180		1553	
HIGHEST ANNUAL MEAN			2180	2004
LOWEST ANNUAL MEAN			1229	2002
HIGHEST DAILY MEAN	18100	Sep 29	18100	Sep 29 2004
LOWEST DAILY MEAN	394	Aug 30	256	Sep 7 2002
ANNUAL SEVEN-DAY MINIMUM	458	Aug 26	268	Sep 5 2002
MAXIMUM PEAK STAGE	19.46	Sep 29	19.46	Sep 29 2004
ANNUAL RUNOFF (CFSM)	0.703		0.501	
ANNUAL RUNOFF (INCHES)	9.58		6.81	
10 PERCENT EXCEEDS	4610		3430	
50 PERCENT EXCEEDS	1500		837	
90 PERCENT EXCEEDS	698		321	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325623 LONGITUDE 0830401 NAD27 DRAINAGE AREA 3100 CONTRIBUTING DRAINAGE AREA 3100* DATUM 203.36 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.25	4.45	4.80	4.60	5.42	7.04	4.43	3.20	2.17	8.09	2.76	1.84
2	2.71	4.12	2.76	3.91	5.61	7.19	4.42	2.86	2.48	8.73	2.74	2.25
3	2.74	3.73	3.36	4.01	6.31	7.15	4.39	2.77	2.57	9.94	2.71	2.68
4	2.68	3.03	3.82	4.20	6.10	7.12	4.32	2.72	2.53	9.99	2.35	4.20
5	2.62	3.82	5.18	3.91	5.52	7.10	4.30	3.84	2.25	8.26	1.99	4.24
6	2.61	3.53	4.02	4.60	7.10	7.07	4.31	3.80	1.91	6.43	1.85	2.74
7	2.62	3.84	3.94	3.89	11.02	6.31	4.28	3.31	1.60	6.19	1.90	9.44
8	2.60	4.07	4.51	5.05	11.15	5.71	4.31	2.85	1.92	4.98	1.98	12.41
9	2.59	3.33	4.61	6.25	11.26	4.79	4.29	2.52	2.31	4.25	1.82	14.80
10	2.62	3.70	4.98	5.36	---	5.85	4.27	2.51	3.80	3.04	1.72	13.24
11	4.72	3.91	4.53	4.84	4.85	5.42	4.28	2.60	4.02	2.93	1.83	11.73
12	4.04	3.81	5.96	4.48	8.98	5.26	4.22	2.64	2.71	2.86	1.83	11.48
13	2.75	3.88	5.75	4.41	11.80	5.49	4.23	2.63	2.70	2.79	2.77	10.47
14	3.98	3.94	6.46	2.57	11.79	5.33	4.31	3.53	2.69	2.62	5.22	4.59
15	3.60	3.04	5.74	3.49	12.21	5.05	4.29	5.05	2.77	2.47	4.74	5.24
16	2.69	2.68	6.07	5.09	12.02	5.14	4.24	4.68	5.01	2.14	4.05	6.64
17	2.61	2.71	6.57	4.32	11.80	5.23	4.17	3.62	4.12	2.08	2.88	7.76
18	2.59	3.42	6.73	3.87	11.71	5.24	4.15	3.44	4.01	2.04	2.82	11.18
19	2.58	4.20	5.94	4.50	11.68	5.60	4.11	3.28	3.48	2.04	2.61	11.57
20	2.56	7.69	4.04	4.68	8.94	5.32	4.10	3.37	3.09	2.19	2.66	11.58
21	2.54	7.97	3.58	4.70	5.67	5.04	3.83	4.05	2.32	2.21	2.75	11.44
22	2.52	8.57	3.94	3.33	6.23	4.94	3.75	3.85	4.70	2.01	2.70	10.12
23	2.53	4.60	4.71	2.70	6.84	4.83	3.68	3.22	7.47	1.80	2.45	4.83
24	2.53	4.55	4.80	2.35	7.30	4.90	3.29	2.99	7.49	1.74	2.37	5.40
25	3.88	6.22	5.14	2.72	7.18	4.65	3.07	3.05	8.44	1.73	2.12	5.23
26	3.14	3.95	5.24	6.21	8.51	5.11	3.01	2.81	6.94	1.72	1.94	4.17
27	2.56	4.09	4.98	8.38	11.94	4.83	3.06	2.50	5.49	1.71	1.97	7.28
28	2.54	4.95	3.89	10.65	8.28	4.46	3.59	2.33	5.18	2.46	1.79	16.69
29	4.19	5.83	3.97	11.22	6.25	4.47	3.93	2.08	5.65	2.68	1.62	19.14
30	3.94	5.50	4.07	8.91	---	4.41	3.57	2.03	7.44	2.74	1.54	---
31	4.88	---	4.24	7.89	---	4.40	---	2.18	---	2.81	1.65	---
MEAN	3.05	4.44	4.78	5.07	---	5.50	4.01	3.11	3.98	3.80	2.46	---
MAX	4.88	8.57	6.73	11.22	---	7.19	4.43	5.05	8.44	9.99	5.22	---
MIN	2.52	2.68	2.76	2.35	---	4.40	3.01	2.03	1.60	1.71	1.54	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325623 LONGITUDE 0830401 NAD27 DRAINAGE AREA 3100 CONTRIBUTING DRAINAGE AREA 3100* DATUM 203.36 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.15
2	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.17	0.00	0.00	0.08	0.01
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.05	0.68	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00
5	0.00	0.01	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.58	0.03	0.00	0.00	0.00	0.00	0.00	2.02
7	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	3.03
8	0.08	0.00	0.00	0.11	0.00	0.00	0.70	0.00	0.14	0.01	0.00	0.01
9	0.00	0.00	0.00	0.20	0.00	0.05	0.00	0.00	0.53	0.00	0.00	0.00
10	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00
11	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.01	0.00
12	0.00	0.00	0.00	0.01	1.30	0.00	0.00	0.04	0.00	0.00	0.15	0.00
13	0.00	0.00	0.18	0.00	0.01	0.00	0.26	0.00	0.22	0.00	0.00	0.02
14	0.03	0.00	0.30	0.00	0.73	0.00	0.01	0.00	0.01	0.00	0.00	0.08
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.01	0.01
16	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.84
17	0.10	0.00	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
18	0.00	0.26	0.00	0.23	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00
19	0.00	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.43	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.34	0.00
23	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.41	0.00	0.00	0.00
24	0.00	0.04	0.14	0.00	0.03	0.00	0.00	0.00	0.07	0.00	0.04	0.00
25	0.00	0.00	0.00	0.72	1.10	0.00	0.00	0.00	0.02	0.00	0.00	0.00
26	0.03	0.00	0.00	3.25	0.71	0.00	0.43	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	4.44
28	0.74	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.01
29	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
30	0.00	0.00	0.03	0.00	---	0.38	0.16	0.01	0.00	0.05	0.04	0.00
31	0.00	---	0.00	0.00	---	0.10	---	0.09	---	0.00	0.00	---
TOTAL	1.29	1.48	1.87	4.69	5.05	0.61	1.57	0.57	3.51	0.41	1.39	10.62

ALTAMAHA RIVER BASIN
2004 Water Year

02223082 BUFFALO CREEK NEAR LINTON, GA

LOCATION.—Lat 33°06'27", long 82°57'34", referenced to North American Datum (NAD) of 1927, Hancock-Washington County line, Hydrologic Unit 03070102, at Hancock County Road 787, 2.0 miles southeast of Linton.

DRAINAGE AREA.—92.9 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1961, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 278.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 20.00 feet, February 25, 1961
DISCHARGE: 5,400 cfs, February 25, 1961

MAXIMUM FOR CURRENT YEAR.—
STAGE: 14.76 feet, September 27
DISCHARGE: 2,560 cfs, September 27

2004 Water Year

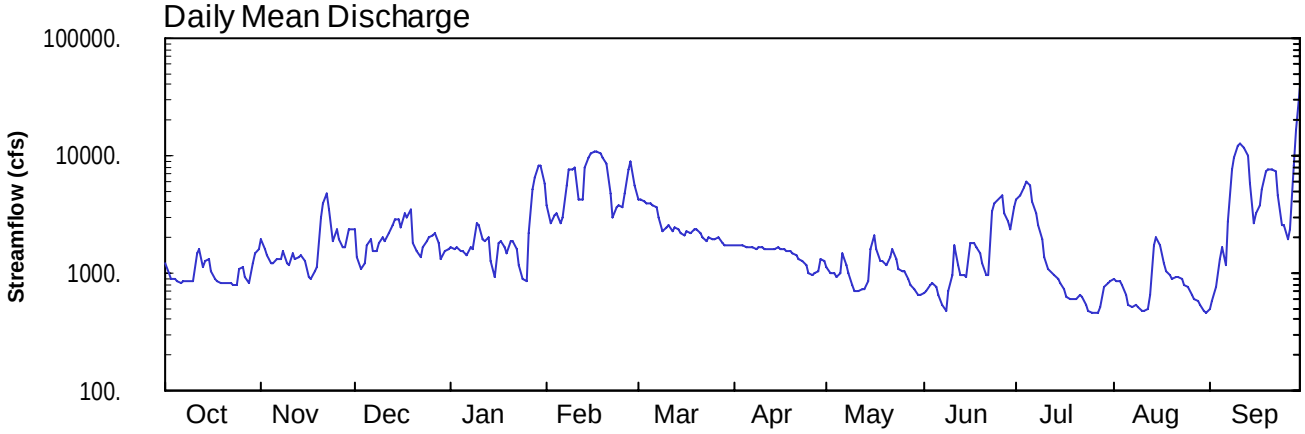
ALTAMAHA RIVER BASIN

02223248 OCONEE RIVER NEAR OCONEE, GA

Latitude: 32°47'14" Longitude: 082°57'26" Hydrologic Unit Code: 03070102

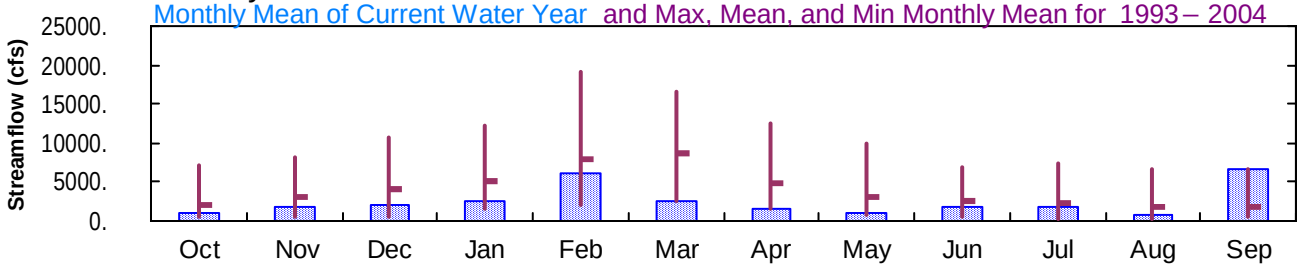
Wilkinson County Datum: 171.83 feet Drainage Area: 3770. mi²

Daily Mean Discharge

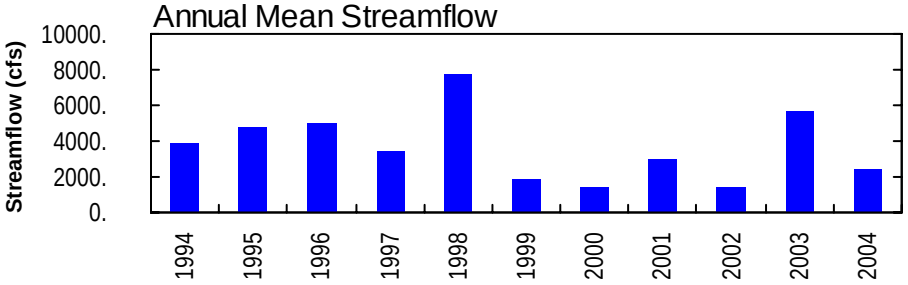


Monthly Statistics

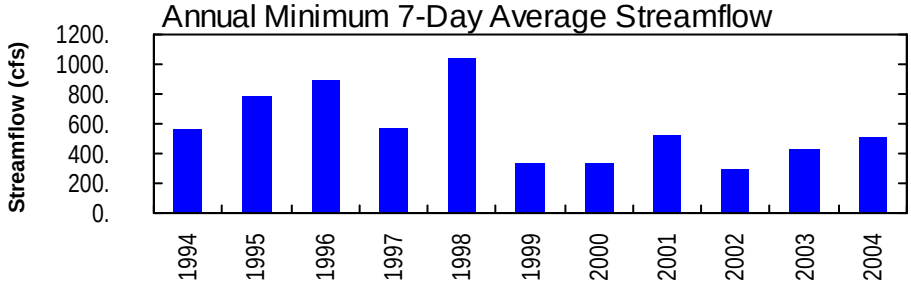
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1993 – 2004



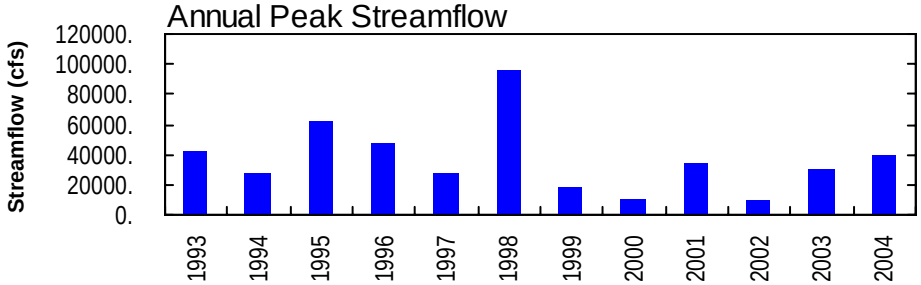
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02223248 - Oconee River near Oconee, GA

ALTAMAHA RIVER BASIN
2004 Water Year

02223248 OCONEE RIVER NEAR OCONEE, GA

LOCATION.—Lat 32°47'14", long 82°57'26", referenced to North American Datum (NAD) of 1927, Wilkinson County, Hydrologic Unit 03070102, on right bank 0.4 miles upstream from GA 57, 0.5 miles upstream from Oochee Creek, and 6.0 miles south of Oconee, at mile 96.6.

DRAINAGE AREA.—3,770 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1992 to current year.

REVISED RECORDS.—WDR-GA-96-1:1993-95 (M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 171.83 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for the periods of estimated discharges, which are fair. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1992 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 171.83 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 23.11 feet, September 30; minimum gage-height recorded, 1.03 feet, August 31.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223248 OCONEE RIVER NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 319
LATITUDE 324714 LONGITUDE 0825726 NAD27 DRAINAGE AREA 3770 CONTRIBUTING DRAINAGE AREA 3770* DATUM 171.83 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	1930	e2340	1630	3730	4190	e1750	1120	678	4210	876	502
2	986	1630	1350	1620	2700	4260	1760	1000	695	4610	860	575
3	895	1410	1070	1630	3080	e4060	1750	1010	798	5330	848	771
4	889	1220	1230	1530	3200	3930	e1700	917	827	5910	803	1330
5	840	1240	1730	1520	2670	3850	e1660	1010	769	5590	638	1640
6	830	1320	1960	1430	3010	3780	1640	1450	660	4030	546	1190
7	844	1310	1510	1650	5530	3570	1640	1190	536	3210	511	2720
8	861	1520	1550	1620	7580	3000	1620	1010	478	2530	536	7580
9	868	1210	1790	2680	7750	2280	1650	798	704	1960	514	9470
10	858	1160	2040	2560	7950	2440	1630	707	947	1350	475	12100
11	1450	1460	1880	1960	4190	2590	e1610	705	1750	1100	485	12600
12	1590	1320	2220	1900	4200	2270	1610	729	1190	1020	497	11600
13	1130	1380	2560	2030	7830	2410	1580	740	957	965	647	10000
14	1280	1410	2900	1270	9450	2400	1610	848	979	897	1720	5790
15	1310	1280	2830	908	10300	2200	1630	1630	927	829	2060	2670
16	1050	941	2470	1830	11000	2140	e1610	2080	1800	734	1720	3230
17	880	890	3210	1860	10700	2250	1580	1630	1770	620	1230	3730
18	845	1030	3020	1660	10200	2180	1550	1280	1690	610	1020	5220
19	837	1120	3450	1470	9680	2400	e1520	1240	1460	595	958	7280
20	832	2930	1790	1890	8670	2400	1490	1180	1190	603	893	7650
21	818	3930	1520	1850	4760	2190	1410	1350	980	647	925	7740
22	807	4680	1380	1610	2970	2030	e1310	1580	950	620	938	7370
23	797	3420	1670	1170	3560	e1850	1270	1310	3310	532	881	4530
24	795	1850	1890	882	3700	1980	1190	1100	3890	483	806	2590
25	1090	2350	2000	848	3690	1930	999	1040	4190	465	747	2520
26	1140	e1950	2120	2200	4850	1970	966	1030	4590	455	647	1960
27	932	1640	2180	5210	7560	2050	1010	895	3190	462	608	2380
28	820	1670	1800	6560	9040	1790	1050	796	2800	517	578	8110
29	1230	2330	1330	8370	5650	1720	1310	718	2390	755	526	16700
30	1460	e2370	1530	8200	---	1720	1270	642	3600	809	472	37700
31	1590	---	1570	5730	---	1720	---	640	---	866	452	---
TOTAL	31764	53901	61890	77278	179200	79550	44375	33375	50695	53314	25417	199248
MEAN	1025	1797	1996	2493	6179	2566	1479	1077	1690	1720	820	6642
MAX	1590	4680	3450	8370	11000	4260	1760	2080	4590	5910	2060	37700
MIN	795	890	1070	848	2670	1720	966	640	478	455	452	502
CFSM	0.27	0.48	0.53	0.66	1.64	0.68	0.39	0.29	0.45	0.46	0.22	1.76
IN.	0.31	0.53	0.61	0.76	1.77	0.78	0.44	0.33	0.50	0.53	0.25	1.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	2041	3081	3968	4990	7827	8757	4725	3033	2524	2330	1695	1743
MAX	7142	8209	10650	12160	19160	16670	12530	10020	6785	7508	6706	6642
(WY)	1995	1993	1998	1998	1998	1998	1998	2003	2003	1994	1994	2004
MIN	528	476	607	1596	2160	2566	1479	706	391	369	342	447
(WY)	2002	2002	2002	2002	2001	2004	2004	2000	2000	2002	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	1912338		890007			
ANNUAL MEAN	5239		2432		3698	
HIGHEST ANNUAL MEAN					7777	1998
LOWEST ANNUAL MEAN					1407	2002
HIGHEST DAILY MEAN	29000	Mar 23	37700	Sep 30	76000	Mar 10 1998
LOWEST DAILY MEAN	531	Sep 18	452	Aug 31	281	Sep 7 2002
ANNUAL SEVEN-DAY MINIMUM	734	Sep 16	505	Jul 22	288	Sep 6 2002
MAXIMUM PEAK FLOW			40000	Sep 30	97000	Mar 10 1998
MAXIMUM PEAK STAGE			23.11	Sep 30	29.90	Mar 10 1998
ANNUAL RUNOFF (CFSM)	1.39		0.645		0.981	
ANNUAL RUNOFF (INCHES)	18.87		8.78		13.33	
10 PERCENT EXCEEDS	12200		5250		9600	
50 PERCENT EXCEEDS	3260		1600		1930	
90 PERCENT EXCEEDS	1060		701		560	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223248 OCONEE RIVER NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 319
LATITUDE 324714 LONGITUDE 0825726 NAD27 DRAINAGE AREA 3770 CONTRIBUTING DRAINAGE AREA 3770* DATUM 171.83 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.09	4.50	---	4.11	7.37	8.03	---	3.08	1.67	7.82	2.15	1.20
2	2.59	3.92	3.54	4.07	5.92	8.12	4.35	2.82	1.71	8.37	2.11	1.40
3	2.39	3.49	2.97	4.10	6.48	---	4.32	2.84	1.96	9.32	2.08	1.89
4	2.37	3.11	3.32	3.90	6.66	7.69	---	2.64	2.03	10.08	1.97	3.08
5	2.26	3.12	4.27	3.88	5.87	7.57	---	2.83	1.89	9.66	1.57	3.71
6	2.23	3.31	4.70	3.71	6.38	7.48	4.13	3.76	1.62	7.55	1.32	2.82
7	2.27	3.30	3.88	4.12	9.66	7.18	4.12	3.23	1.30	6.35	1.23	5.34
8	2.31	3.71	3.95	4.09	11.95	6.36	4.09	2.84	1.14	5.27	1.30	11.89
9	2.33	3.09	4.40	5.88	12.12	5.26	4.15	2.36	1.73	4.31	1.24	13.54
10	2.30	2.98	4.84	5.69	12.30	5.50	4.11	2.14	2.30	3.15	1.13	15.42
11	3.53	3.60	4.57	4.70	7.86	5.74	---	2.14	3.93	2.65	1.16	15.73
12	3.86	3.31	5.15	4.59	7.98	5.24	4.08	2.20	2.83	2.46	1.19	15.09
13	2.91	3.45	5.69	4.84	12.14	5.46	4.01	2.22	2.33	2.35	1.58	13.98
14	3.21	3.51	6.21	3.38	13.54	5.45	4.07	2.40	2.38	2.19	3.77	9.65
15	3.30	3.23	6.11	2.62	14.21	5.13	4.12	3.83	2.26	2.03	4.47	5.51
16	2.74	2.49	5.55	4.46	14.69	5.02	---	4.52	3.94	1.81	3.87	6.37
17	2.35	2.38	6.67	4.53	14.46	5.21	4.01	3.69	3.96	1.52	2.91	7.12
18	2.27	2.69	6.39	4.16	14.16	5.09	3.95	3.02	3.81	1.49	2.48	9.13
19	2.24	2.88	7.01	3.79	13.72	5.45	---	2.94	3.38	1.46	2.33	11.61
20	2.23	6.04	4.39	4.58	12.89	5.44	3.84	2.82	2.84	1.48	2.18	12.01
21	2.20	7.53	3.90	4.51	8.73	5.12	3.69	3.16	2.38	1.59	2.26	12.11
22	2.17	8.52	3.61	4.04	6.32	4.84	---	3.62	2.30	1.52	2.29	11.71
23	2.15	6.85	4.19	3.19	7.16	---	3.40	3.08	6.47	1.29	2.16	8.15
24	2.14	4.50	4.58	2.56	7.36	4.75	3.23	2.64	7.36	1.15	1.98	5.37
25	2.78	5.32	4.78	2.48	7.36	4.66	2.82	2.51	7.79	1.10	1.84	5.27
26	2.93	---	4.98	4.96	8.87	4.73	2.75	2.48	8.34	1.07	1.59	4.32
27	2.47	4.12	5.09	9.32	11.85	4.87	2.85	2.19	6.33	1.09	1.49	4.97
28	2.20	4.16	4.43	10.89	13.20	4.40	2.93	1.96	5.71	1.24	1.41	12.20
29	3.08	5.32	3.51	12.66	9.85	4.28	3.49	1.77	5.05	1.86	1.27	17.25
30	3.59	---	3.92	12.47	---	4.28	3.40	1.58	6.92	1.99	1.12	22.69
31	3.85	---	4.00	9.95	---	4.28	---	1.57	---	2.12	1.06	---
MEAN	2.66	---	---	5.23	10.04	---	---	2.74	3.59	3.46	1.95	9.02
MAX	3.86	---	---	12.66	14.69	---	---	4.52	8.34	10.08	4.47	22.69
MIN	2.14	---	---	2.48	5.87	---	---	1.57	1.14	1.07	1.06	1.20

ALTAMAHA RIVER BASIN
2004 Water Year

02223349 BIG SANDY CREEK TRIBUTARY NEAR IRWINTON, GA

LOCATION.—Lat 32°48'11", long 83°13'37", referenced to North American Datum (NAD) of 1927, Wilkinson County, Hydrologic Unit 03070102, at culvert on White Springs Road, 1.7 miles southwest of Irwinton.

DRAINAGE AREA.—0.50 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 285.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 3.92 feet, March 20, 2003
DISCHARGE: 102 cfs, March 20, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 1.00 feet, September 27
DISCHARGE: 5.00 cfs, September 27

ALTAMAHA RIVER BASIN
2004 Water Year

02224100 TURKEY CREEK AT US 441, NEAR DUBLIN, GA

LOCATION.—Lat 32°27'21", long 82°56'32", referenced to North American Datum (NAD) of 1927, Laurens County, Hydrologic Unit 03070102, at US 319 and 441, 5.0 miles south of Dublin.

DRAINAGE AREA.—316 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.--1929, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 20.90 feet, March 19, 1929
DISCHARGE: 19,000 cfs, March 19, 1929

MAXIMUM FOR CURRENT YEAR.--
STAGE: 13.40 feet, September 27
DISCHARGE: 3,430, September 27

2004 Water Year

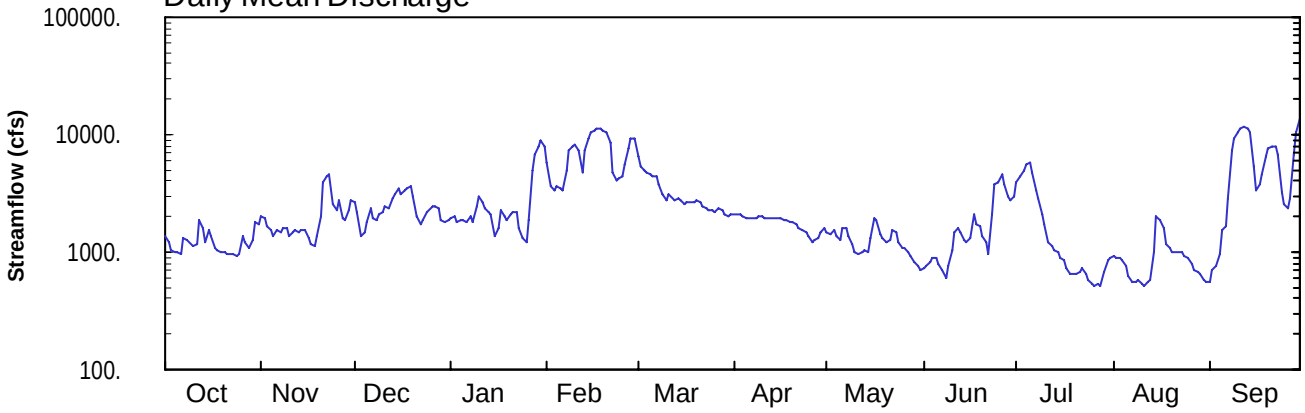
ALTAMAHA RIVER BASIN

02223500 OCONEE RIVER AT DUBLIN, GA

Latitude: 32°32'40" Longitude: 082°53'41" Hydrologic Unit Code: 03070102

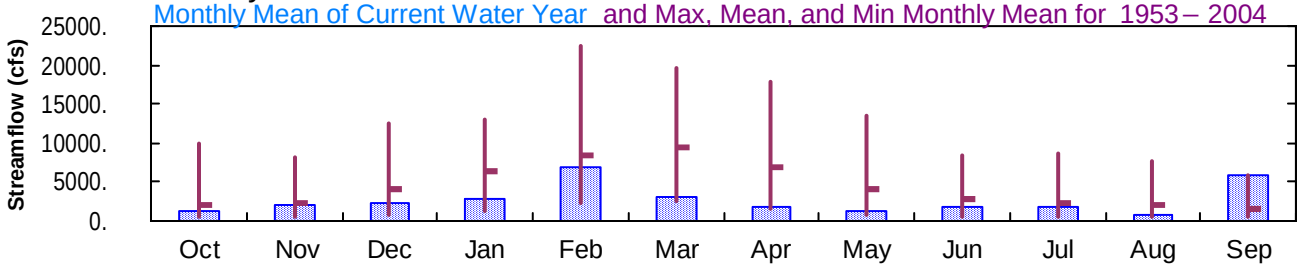
Laurens County Datum: 149.08 feet Drainage Area: 4400. mi^2

Daily Mean Discharge

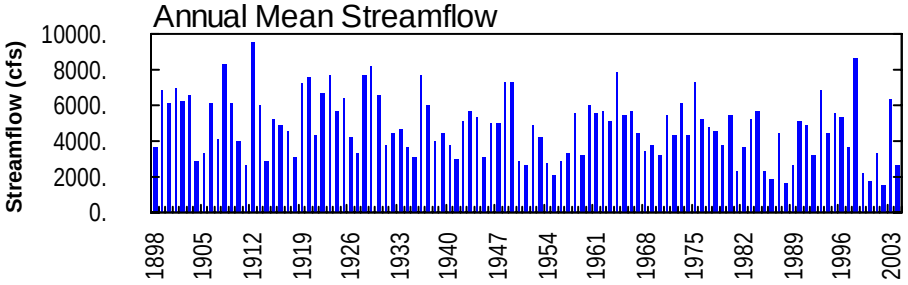


Monthly Statistics

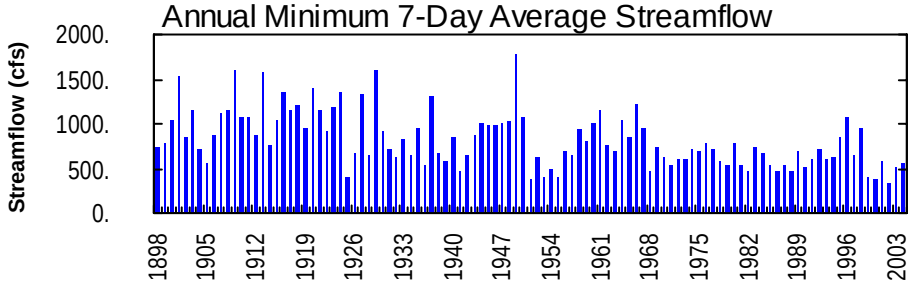
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1953 – 2004



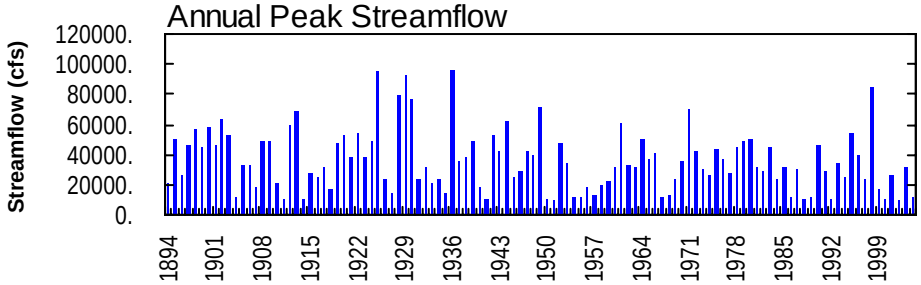
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02223500 Oconee River at Dublin, GA
July 18, 1991

ALTAMAHA RIVER BASIN
2004 Water Year

02223500 OCONEE RIVER AT DUBLIN, GA

LOCATION.—Lat 32°32'40", long 82°53'41", referenced to North American Datum (NAD) of 1927, Laurens County, Hydrologic Unit 03070102, near left bank on downstream end of pier of bridge on US 80 at Dublin, and at mile 74.3.

DRAINAGE AREA.—4,400 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1894 to September 1897 (gage-heights only), October 1897 to current year. Gage-height records collected at same site since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 1504: 1898- 1903, 1905- 6, 1908-9, 1912, 1913(M), 1925(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 149.08 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to April 14, 1932, a non-recording gage was installed, and from April 15, 1932, to June 17, 1934, a water-stage recorder was located at a site 420 feet downstream at datum 3.0 feet higher. From October 1, 1933, to July 17, 1934 recorded data are corrected to present datum. From July 18, 1934, to April 14, 1936, a water-stage recorder and from April 15, 1936, to October 12, 1938, a non-recording gage, and from October 13, 1938 to January 20, 1953, a water-stage recorder was located at a site 80 feet upstream at present datum.

REMARKS.—Records good. Flow regulated by Lake Oconee and Sinclair Reservoir. Statistics prior to regulation are available upon request. Maximum recorded discharge for the 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 2, 2004 and is not considered the peak discharge of the 2004 water year.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1893, that of April 12-13, 1936.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 19,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/17	1400	11,300	14.61

No other peaks above base discharge

ALTAMAHA RIVER BASIN
2004 Water Year

02223500 OCONEE RIVER AT DUBLIN, GA

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1894 to September 1897 (gage-heights only), October 1897 to current year. Gage-height records collected at same site since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 1504: 1898- 1903, 1905- 6, 1908-9, 1912, 1913(M), 1925(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 149.08 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to April 14, 1932, a non-recording gage and from April 15, 1932, to June 17, 1934, a water-stage recorder was located at a site 420 feet downstream at datum 3.0 feet higher. From October 1, 1933, to July 17, 1934 recorded data are corrected to present datum. From July 18, 1934, to April 14, 1936, a water-stage recorder and from April 15, 1936, to October 12, 1938, a non-recording gage, and from October 13, 1938 to January 20, 1953, a water-stage recorder was located at a site 80 feet upstream at present datum.

REMARKS.—Records good. Maximum recorded stage for the 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 2, 2004 and is not considered the peak stage of the 2004 water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.40 feet, September 30, stage rising, peak occurred October 2, 2004; minimum gage-height recorded, 1.05 feet, July 26, 27.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 17, 2001 to current year.

GAGE.—Tipping-bucket rain gage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223500 OCONEE RIVER AT DUBLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 175
LATITUDE 323240 LONGITUDE 0825341 NAD27 DRAINAGE AREA 4400 CONTRIBUTING DRAINAGE AREA 4400* DATUM 149.08 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1350	2030	2620	1910	5800	6440	2090	1480	738	3950	919	562
2	1220	1920	2210	2040	3640	5390	2100	1430	750	4410	901	711
3	1040	1690	1360	1820	3380	4990	2080	1540	822	4890	883	765
4	1010	1520	1490	1850	3690	4720	2040	1390	886	5680	870	974
5	992	1340	1770	1900	3450	4550	1980	1240	890	5850	770	1510
6	967	1550	2350	1790	3300	4440	1940	1580	795	4720	635	1650
7	1300	1480	1960	2040	5020	4330	1930	1570	696	3320	566	2860
8	1280	1580	1860	1820	7240	3750	1950	1350	596	2830	550	7220
9	1210	1610	2060	2440	8060	3150	2030	1160	758	2140	574	9310
10	1130	1340	2220	3030	8320	2730	2010	1010	1020	1700	545	10300
11	1170	1450	2440	2610	7420	3080	1970	963	1500	1230	523	11200
12	1840	1550	2320	2320	4820	2870	1950	992	1580	1110	559	11600
13	1610	1480	2880	2200	7340	2760	1920	1030	1460	1040	577	11500
14	1210	1520	3060	2080	9350	2840	1920	1010	1250	982	1000	10400
15	1510	1540	3490	1360	10500	2750	1940	1320	1200	907	2030	5360
16	1380	1310	3070	1620	11000	2580	1930	1960	1300	839	1880	3340
17	1090	1150	3300	2280	11200	2620	1900	1840	2070	726	1570	3810
18	1020	1140	3550	2020	11100	2620	1840	1410	1750	661	1190	4560
19	997	1380	3680	1830	10800	2640	1810	1290	1650	655	1100	6630
20	985	2000	3030	2070	10300	2800	1770	1230	1380	645	1000	7590
21	974	3860	2020	2170	8550	2630	1730	1260	1210	682	986	7860
22	959	4480	1760	2160	4850	2440	1610	1520	976	718	999	7870
23	943	4640	1840	1610	4010	2330	1540	1460	2110	661	997	6760
24	937	2550	2170	1340	4190	2270	1500	1220	3730	576	934	3200
25	949	2300	2260	1230	4410	2280	1350	1090	3930	544	880	2600
26	1350	2800	2420	1840	5660	2200	1240	1080	4520	518	792	2330
27	1200	1920	2490	5010	7520	2370	1280	1020	3760	527	705	2860
28	1090	1880	2330	6880	9280	2230	1320	910	3010	523	685	6860
29	1280	2310	1840	8070	9100	2070	1470	837	2720	681	639	10500
30	1770	2750	1790	8860	---	2060	1580	755	3000	840	586	13800
31	1740	---	1850	8060	---	2060	---	713	---	892	547	---
TOTAL	37503	60070	73490	88260	203300	96990	53720	38660	52057	55447	27392	176492
MEAN	1210	2002	2371	2847	7010	3129	1791	1247	1735	1789	884	5883
MAX	1840	4640	3680	8860	11200	6440	2100	1960	4520	5850	2030	13800
MIN	937	1140	1360	1230	3300	2060	1240	713	596	518	523	562
CFSM	0.27	0.46	0.54	0.65	1.59	0.71	0.41	0.28	0.39	0.41	0.20	1.34
IN.	0.32	0.51	0.62	0.75	1.72	0.82	0.45	0.33	0.44	0.47	0.23	1.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2004, BY WATER YEAR (WY)

MEAN	2142	2420	3979	6251	8466	9526	6945	4091	2856	2366	2036	1629
MAX	9883	8254	12390	13100	22360	19680	17960	13390	8439	8767	7706	5883
(WY)	1990	1993	1993	1998	1998	1998	1964	1964	1966	1963	1994	2004
MIN	469	556	757	1199	2278	2649	1493	807	455	421	387	607
(WY)	1955	1982	2002	1956	1989	1955	1986	2000	2000	2000	2002	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1953 - 2004	
ANNUAL TOTAL	2151889		963381			
ANNUAL MEAN	5896		2632		4372	
HIGHEST ANNUAL MEAN					8614	1998
LOWEST ANNUAL MEAN					1553	2002
HIGHEST DAILY MEAN	30400	Mar 25	13800	Sep 30	77500	Mar 12 1998
LOWEST DAILY MEAN	712	Sep 19	518	Jul 26	319	Sep 8 2002
ANNUAL SEVEN-DAY MINIMUM	872	Sep 17	556	Aug 7	324	Sep 7 2002
MAXIMUM PEAK FLOW			11300	Feb 17	85000	Mar 11 1998
MAXIMUM PEAK STAGE			14.61	Feb 17	32.00	Mar 11 1998
ANNUAL RUNOFF (CFSM)	1.34		0.598		0.994	
ANNUAL RUNOFF (INCHES)	18.19		8.14		13.50	
10 PERCENT EXCEEDS	13500		6030		10500	
50 PERCENT EXCEEDS	3960		1840		2450	
90 PERCENT EXCEEDS	1280		768		775	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223500 OCONEE RIVER AT DUBLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 175
LATITUDE 323240 LONGITUDE 0825341 NAD27 DRAINAGE AREA 4400 CONTRIBUTING DRAINAGE AREA 4400* DATUM 149.08 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.83	3.91	4.81	3.72	9.12	9.87	3.96	2.95	1.59	6.71	1.96	1.18
2	2.61	3.73	4.18	3.92	6.29	8.62	3.96	2.86	1.62	7.32	1.92	1.53
3	2.29	3.37	2.85	3.58	5.93	8.10	3.94	3.05	1.76	7.97	1.89	1.65
4	2.24	3.11	3.06	3.62	6.36	7.74	3.87	2.80	1.89	8.98	1.86	2.06
5	2.20	2.82	3.49	3.70	6.04	7.52	3.77	2.55	1.90	9.19	1.66	3.00
6	2.15	3.16	4.41	3.53	5.81	7.36	3.71	3.11	1.71	7.73	1.36	3.23
7	2.74	3.05	3.80	3.91	8.11	7.21	3.68	3.10	1.50	5.84	1.19	5.13
8	2.72	3.20	3.64	3.58	10.77	6.45	3.72	2.73	1.27	5.12	1.15	10.69
9	2.60	3.25	3.96	4.52	11.62	5.61	3.85	2.41	1.63	4.03	1.22	12.82
10	2.45	2.82	4.19	5.40	11.87	4.98	3.81	2.13	2.15	3.31	1.14	13.67
11	2.52	2.99	4.54	4.79	10.92	5.50	3.76	2.04	2.97	2.52	1.08	14.51
12	3.61	3.15	4.36	4.36	7.86	5.18	3.73	2.10	3.11	2.32	1.18	14.88
13	3.24	3.06	5.18	4.16	10.86	5.02	3.67	2.16	2.91	2.18	1.22	14.78
14	2.60	3.10	5.44	3.97	12.85	5.14	3.67	2.13	2.56	2.08	2.08	13.79
15	3.09	3.14	6.02	2.85	13.87	5.01	3.71	2.67	2.47	1.93	3.85	8.49
16	2.88	2.76	5.45	3.25	14.34	4.75	3.69	3.74	2.63	1.80	3.60	5.88
17	2.37	2.49	5.76	4.29	14.56	4.81	3.64	3.53	3.92	1.56	3.10	6.52
18	2.25	2.46	6.10	3.89	14.48	4.81	3.54	2.83	3.39	1.42	2.45	7.51
19	2.21	2.88	6.26	3.60	14.19	4.83	3.48	2.63	3.23	1.41	2.30	10.11
20	2.19	3.84	5.35	3.96	13.74	5.09	3.42	2.53	2.79	1.38	2.12	11.14
21	2.16	6.49	3.88	4.13	12.06	4.83	3.36	2.58	2.48	1.47	2.09	11.42
22	2.14	7.27	3.47	4.11	7.89	4.53	3.16	3.01	2.07	1.55	2.11	11.42
23	2.10	7.47	3.60	3.25	6.79	4.35	3.06	2.91	3.93	1.42	2.11	10.22
24	2.09	4.68	4.12	2.81	7.03	4.25	2.98	2.50	6.41	1.22	1.99	5.64
25	2.11	4.32	4.26	2.62	7.33	4.27	2.73	2.28	6.68	1.14	1.88	4.77
26	2.83	5.08	4.51	3.58	8.94	4.14	2.54	2.27	7.47	1.07	1.70	4.34
27	2.58	3.73	4.61	7.98	11.06	4.42	2.62	2.14	6.45	1.09	1.52	5.12
28	2.37	3.66	4.36	10.25	12.78	4.19	2.69	1.94	5.40	1.08	1.47	10.24
29	2.71	4.34	3.61	11.51	12.61	3.91	2.93	1.79	4.96	1.46	1.37	13.88
30	3.50	5.00	3.53	12.36	---	3.89	3.12	1.63	5.36	1.80	1.24	16.48
31	3.45	---	3.62	11.61	---	3.91	---	1.54	---	1.90	1.15	---
MEAN	2.58	3.81	4.40	4.93	10.21	5.49	3.46	2.54	3.27	3.23	1.84	8.54
MAX	3.61	7.47	6.26	12.36	14.56	9.87	3.96	3.74	7.47	9.19	3.85	16.48
MIN	2.09	2.46	2.85	2.62	5.81	3.89	2.54	1.54	1.27	1.07	1.08	1.18

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223500 OCONEE RIVER AT DUBLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 175
LATITUDE 323240 LONGITUDE 0825341 NAD27 DRAINAGE AREA 4400 CONTRIBUTING DRAINAGE AREA 4400* DATUM 149.08 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	---	0.00	---	1.07
2	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.91	---	0.07	---	0.06
3	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00
4	0.00	0.31	0.46	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00
5	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	---	0.00	---	0.04
6	0.58	0.00	0.00	0.01	1.30	0.08	0.00	0.00	---	0.00	---	3.57
7	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	---	1.66
8	0.29	0.00	0.00	0.10	0.00	0.00	0.83	0.06	---	0.00	---	0.03
9	0.00	0.01	0.00	0.18	0.00	0.04	0.00	0.00	0.33	0.21	---	0.00
10	0.00	0.00	0.61	0.01	0.00	0.01	0.00	0.00	0.00	0.00	---	1.02
11	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	---	0.00
12	0.00	0.00	0.00	0.00	1.13	0.00	0.00	---	0.00	0.09	---	0.04
13	0.00	0.00	0.16	0.00	0.00	0.00	0.28	---	1.87	0.01	---	0.09
14	0.06	0.00	0.40	0.00	0.70	0.00	0.00	---	0.30	0.00	---	0.00
15	0.00	0.00	0.00	0.00	0.05	0.00	0.00	---	0.15	0.00	---	0.00
16	0.00	0.00	0.00	0.00	0.00	0.05	0.00	---	0.52	0.00	---	0.33
17	0.11	0.00	0.24	0.01	0.01	0.00	0.00	---	0.00	0.00	---	0.09
18	0.01	0.00	0.00	0.05	0.00	0.00	0.00	---	0.00	0.05	---	0.00
19	0.00	0.43	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	---	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	---	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.65	0.00	---	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.04	0.00	---	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	1.15	0.00	---	0.00
24	0.00	0.04	0.11	0.00	0.13	0.00	0.00	---	0.09	0.00	---	0.00
25	0.00	0.00	0.00	0.44	1.42	0.00	0.00	---	0.01	0.00	0.00	0.00
26	0.03	0.00	0.00	1.78	0.18	0.00	0.45	---	0.00	0.00	0.00	0.02
27	0.02	0.00	0.00	0.01	0.00	0.00	0.00	---	0.18	0.00	0.00	3.13
28	1.49	0.14	0.00	0.00	0.00	0.00	0.00	---	0.28	0.13	0.00	0.02
29	0.02	0.00	0.00	0.00	0.00	0.00	0.00	---	0.01	0.02	0.00	0.00
30	0.00	0.00	0.02	0.00	---	0.08	0.39	---	0.00	---	0.21	0.00
31	0.00	---	0.00	0.00	---	0.08	---	---	---	---	0.00	---
TOTAL	4.48	0.94	2.01	2.82	5.18	0.34	1.95	---	---	---	---	11.17

02223900 TURKEY CREEK AT OLD HAWKINSVILLE ROAD, NEAR DUDLEY, GA

LOCATION.—Lat 32°34'17", long 83°04'51", referenced to North American Datum (NAD) of 1983, Laurens County, Hydrologic Unit 03070102, located at bridge crossing on County Road 436 (Hawkinsville-Blackshear Rd.), 2.3 miles upstream of GA 338.

DRAINAGE AREA.—82.4 square miles.

REMARKS.—Datum of gage is 230.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
12...	02223900	20040412	1600	1028	80020	4.14	34	10	--	747	8.6	96
MAY												
18...	02223900	20040518	0830	1028	80020	3.18	6.6	40	14	769	7.4	82

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)
APR													
12...	7.1	50	19.6	--	--	E.03	--	--	.17	--	E.005	--	--
MAY													
18...	7.2	140	20.9	60	73	.05	1.51	.34	.35	.043	.013	.10	.031

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)
APR													
12...	E.005	.053	.55	--	--	--	--	--	--	--	1006	15.00	3044
MAY													
18...	.010	.051	.65	1.0	1.0	4.8	1.1	.3	99	19	1006	15.00	3070

Date	Type of sample related QA data, code (99111)
APR	
12...	1
MAY	
18...	1

02223900 TURKEY CREEK AT OLD HAWKINSVILLE ROAD, NEAR DUDLEY, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
07...	1400	80020	5.4	14.6	435	140	450	148.2	3400	2.7	4.1	1.3	1.6

Remark codes used in this table:
E -- Estimated value

2004 Water Year

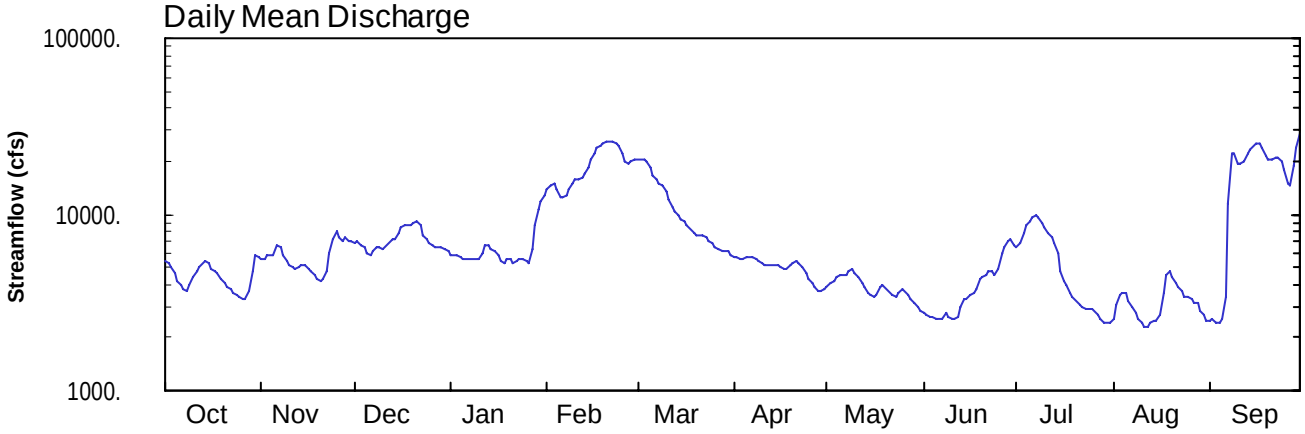
ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA

Latitude: 31°56'20" Longitude: 082°21'13" Hydrologic Unit Code: 03070106

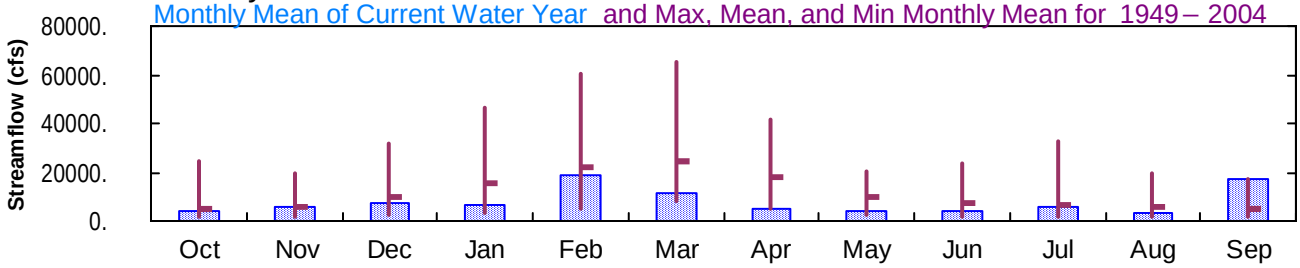
Appling County Datum: 61.51 feet Drainage Area: 11600 mi²

Daily Mean Discharge

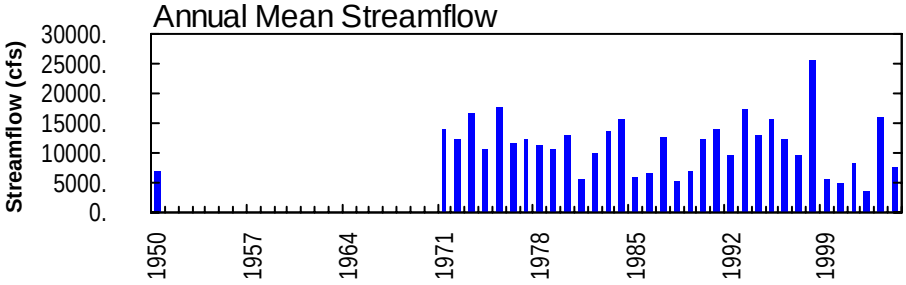


Monthly Statistics

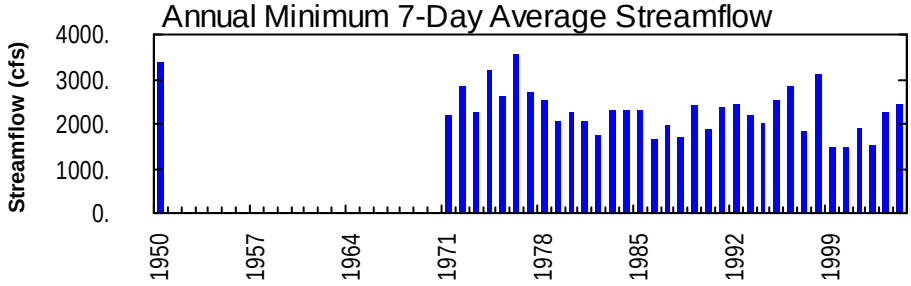
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1949 – 2004



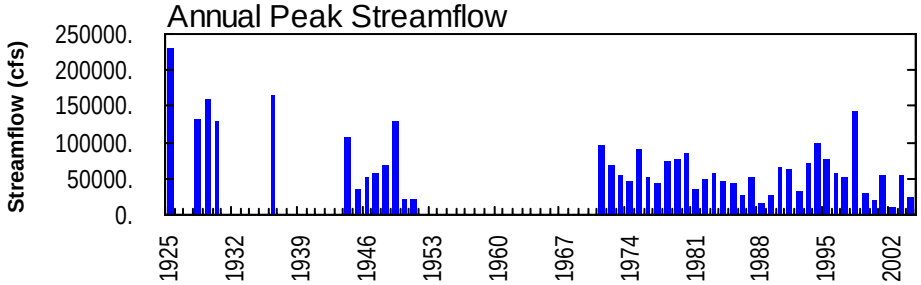
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2004 Water Year

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA

LOCATION.—Lat 31°56'20", long 82°21'13", referenced to North American Datum (NAD) of 1927, Appling-Toombs County line, Hydrologic Unit 03070106, on right bank 400 feet downstream from bridge on U.S. 1, 2.2 miles upstream from Bay Creek, 8.0 miles downstream from Bullards Creek, and 12.0 miles north of Baxley.

DRAINAGE AREA.—11,600 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1949 to June 1951, October 1970 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 61.51 feet above National Geodetic Vertical Datum (NGVD) of 1929. From August 13, 1949, to June 30, 1951, a non-recording gage was located at site 400.00 feet upstream at same datum.

REMARKS.—Records good, except from August 1-30, and periods of estimated discharge, which are fair. Maximum recorded discharge for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 7, 2004 and is not considered the peak discharge of the 2004 water year.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of December 10, 1948, reached a stage of 25.1 feet, from flood marks, discharge, 130,000 cfs. Flood of January 1925 reached a stage of 30.0 feet, from information furnished by Georgia Department of Transportation.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 25,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/21	1330	26,000*	13.88*
09/16	0030	26,000	13.87

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1949 to June 1951, October 1970 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 61.51 feet above National Geodetic Vertical Datum (NGVD) of 1929. From August 13, 1949, to June 30, 1951, a non-recording gage was located at site 400.00 feet upstream at same datum.

REMARKS.—Records good, except from August 1-30, which is fair. Maximum recorded stage for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 7, 2004 and is not considered the peak stage of the 2004 water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.88 feet, February 21; minimum gage-height recorded, 1.53 feet, August 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 6, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225000 ALTAMAHA RIVER NEAR BAXLEY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 001
LATITUDE 315620 LONGITUDE 0822113 NAD27 DRAINAGE AREA 11600 CONTRIBUTING DRAINAGE AREA 11600* DATUM 61.51 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5460	5500	6940	5930	13900	20300	5680	3840	2790	6510	2580	2480
2	5260	5520	6980	5880	14700	20300	5650	4040	2720	6840	3060	2530
3	4970	5800	6710	5790	15000	20300	5630	4230	2650	7790	3470	2450
4	4600	5890	6440	5720	13800	19800	5630	4350	2610	8590	3540	2400
5	4220	5870	6030	5580	12400	18200	5700	4480	2530	9060	e3590	2530
6	3970	6690	5940	5530	12300	16700	5760	4550	2520	9510	3210	3410
7	3810	6490	6110	5540	13000	15800	5720	4580	2580	9890	2960	11500
8	3700	5850	e6460	5540	13900	15100	5620	4740	2760	9670	2770	21900
9	3970	5370	6450	5600	15000	14500	5460	4870	2610	8880	2580	22100
10	4380	5090	6370	5570	15600	13600	5290	4690	2550	8340	2450	19600
11	4700	4970	6520	6030	15900	12300	5190	4410	2550	7910	2300	19500
12	5050	4840	6870	6630	16300	11000	5110	4110	2640	7430	2290	20200
13	5240	4960	7160	6630	17200	10400	5090	3850	3010	6890	2410	22100
14	5480	5160	7310	6410	18500	9880	5130	3610	3350	5980	2480	23600
15	5290	5130	7850	6180	20200	9400	5100	3460	3280	4790	2460	24600
16	4920	4950	8440	5920	22200	9030	4970	3370	3510	4230	2670	25100
17	4800	4730	8730	5410	23700	8590	4900	3470	3580	3920	3580	25200
18	4590	4490	8610	5270	24600	8160	4940	3860	3800	3610	4540	23900
19	4290	4280	8730	5590	25200	7830	5100	3940	4310	3380	4720	21400
20	4060	4200	8960	5500	25700	7600	5270	3730	4360	3230	4370	20400
21	3900	4320	9030	5330	25900	7540	5370	3600	4470	3070	4050	20600
22	3760	4710	8570	5380	25800	7590	5300	3500	4810	2970	3880	21200
23	3620	6000	7690	5560	25400	7370	4990	3430	4810	2890	3630	21100
24	3480	7220	7150	5620	24500	7050	4620	3590	4570	2880	3440	20100
25	3370	7980	6850	5420	22000	6830	4290	3750	4900	2880	3410	18100
26	3290	7430	6770	5290	20000	6590	4040	3670	5950	2820	3270	15100
27	3280	7070	6580	6270	19500	6360	3860	3470	6450	e2660	3140	14500
28	3650	7340	6450	8590	19900	6200	3660	3290	7070	e2530	3140	18900
29	4810	7080	6460	10800	20300	6240	3660	3160	7150	e2420	2860	23700
30	5810	e6980	6390	12000	---	6100	3750	3010	6750	2430	2660	28600
31	5780	---	6120	13000	---	5810	---	2860	---	2440	2500	---
TOTAL	137510	171910	221670	199510	552400	342470	150480	119510	117640	166440	98010	518800
MEAN	4436	5730	7151	6436	19050	11050	5016	3855	3921	5369	3162	17290
MAX	5810	7980	9030	13000	25900	20300	5760	4870	7150	9890	4720	28600
MIN	3280	4200	5940	5270	12300	5810	3660	2860	2520	2420	2290	2400
CFSM	0.38	0.49	0.62	0.55	1.64	0.95	0.43	0.33	0.34	0.46	0.27	1.49
IN.	0.44	0.55	0.71	0.64	1.77	1.10	0.48	0.38	0.38	0.53	0.31	1.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2004, BY WATER YEAR (WY)

MEAN	5279	5890	9878	15430	21760	24670	18340	9558	7115	6410	6013	5049
MAX	24560	19540	31920	46750	60420	65210	41730	20630	23340	32470	19600	17290
(WY)	1995	1998	1998	1998	1998	1998	1975	1975	2003	1994	1994	2004
MIN	1864	1871	2424	3395	4803	7978	5016	2576	1877	1667	1627	1643
(WY)	1982	2002	2002	1981	1989	2002	2004	1986	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1949 - 2004	
ANNUAL TOTAL	5673380		2796350			
ANNUAL MEAN	15540		7640		11320	
HIGHEST ANNUAL MEAN					25530	1998
LOWEST ANNUAL MEAN					3762	2002
HIGHEST DAILY MEAN	55700	Mar 29	28600	Sep 30	142000	Mar 16 1998
LOWEST DAILY MEAN	3280	Oct 27	2290	Aug 12	1450	Aug 29 2000
ANNUAL SEVEN-DAY MINIMUM	3490	Oct 22	2420	Aug 9	1460	Aug 25 2000
MAXIMUM PEAK FLOW			30900	Sep 30	144000	Mar 16 1998
MAXIMUM PEAK STAGE			14.85	Sep 30	24.15	Mar 16 1998
INSTANTANEOUS LOW FLOW			2230	Aug 12	1440	Aug 27 2000
ANNUAL RUNOFF (CFSM)	1.34		0.659		0.976	
ANNUAL RUNOFF (INCHES)	18.19		8.97		13.26	
10 PERCENT EXCEEDS	30000		19500		25700	
50 PERCENT EXCEEDS	12400		5510		6710	
90 PERCENT EXCEEDS	4710		2860		2550	

e Estimated

STATION NUMBER 02225000 ALTAMAHA RIVER NEAR BAXLEY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 001
LATITUDE 315620 LONGITUDE 0822113 NAD27 DRAINAGE AREA 11600 CONTRIBUTING DRAINAGE AREA 11600* DATUM 61.51 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.78	4.81	5.58	4.89	9.55	12.25	4.71	3.20	2.16	5.29	1.92	1.81
2	4.61	4.83	5.61	4.85	9.93	12.23	4.68	3.38	2.08	5.52	2.45	1.87
3	4.37	5.06	5.43	4.79	10.09	12.23	4.67	3.55	2.01	6.12	2.85	1.77
4	4.06	5.12	5.25	4.73	9.49	12.04	4.67	3.65	1.96	6.61	2.92	1.72
5	3.72	5.11	4.96	4.63	8.80	11.46	4.72	3.76	1.87	6.88	---	1.87
6	3.50	5.73	4.89	4.60	8.75	10.87	4.76	3.82	1.86	7.15	2.60	2.76
7	3.34	5.59	5.02	4.60	9.07	10.44	4.74	3.85	1.92	7.38	2.34	8.12
8	3.24	5.09	---	4.60	9.57	10.12	4.66	3.98	2.13	7.25	2.14	12.76
9	3.49	4.71	5.25	4.64	10.06	9.83	4.54	4.08	1.96	6.78	1.93	12.84
10	3.87	4.47	5.20	4.62	10.36	9.38	4.41	3.94	1.89	6.47	1.77	12.00
11	4.15	4.38	5.30	4.95	10.50	8.72	4.34	3.70	1.89	6.20	1.60	11.93
12	4.45	4.27	5.54	5.38	10.70	8.04	4.27	3.44	1.99	5.90	1.58	12.19
13	4.60	4.37	5.73	5.37	11.07	7.68	4.26	3.21	2.39	5.55	1.73	12.83
14	4.80	4.53	5.82	5.22	11.56	7.37	4.29	2.98	2.73	4.92	1.81	13.27
15	4.64	4.51	6.16	5.07	12.20	7.09	4.26	2.85	2.67	4.02	1.78	13.53
16	4.33	4.36	6.52	4.88	12.90	6.87	4.16	2.76	2.90	3.55	2.02	13.66
17	4.23	4.18	6.70	4.50	13.31	6.61	4.11	2.86	2.96	3.27	2.95	13.69
18	4.05	3.97	6.62	4.39	13.54	6.35	4.14	3.22	3.16	2.99	3.81	13.37
19	3.79	3.78	6.69	4.64	13.69	6.15	4.26	3.29	3.62	2.76	3.96	12.64
20	3.57	3.71	6.83	4.57	13.80	6.01	4.40	3.10	3.66	2.61	3.67	12.27
21	3.42	3.78	6.87	4.45	13.86	5.97	4.48	2.98	3.75	2.45	3.39	12.36
22	3.29	4.08	6.60	4.48	13.83	6.00	4.42	2.88	4.03	2.35	3.24	12.54
23	3.16	5.05	6.07	4.62	13.74	5.86	4.18	2.82	4.03	2.26	3.01	12.52
24	3.02	5.83	5.72	4.66	13.52	5.66	3.88	2.96	3.83	2.26	2.82	12.15
25	2.91	6.26	5.53	4.51	12.81	5.51	3.60	3.12	4.10	2.26	2.80	11.42
26	2.83	5.90	5.47	4.41	12.13	5.35	3.38	3.05	4.90	2.19	2.66	10.12
27	2.81	5.67	5.34	5.12	11.95	5.19	3.22	2.86	5.25	---	2.53	9.82
28	3.18	5.84	5.26	6.60	12.09	5.08	3.04	2.68	5.67	---	2.52	11.70
29	4.23	5.68	5.26	7.88	12.22	5.11	3.03	2.55	5.72	---	2.23	13.29
30	5.07	---	5.21	8.56	---	5.01	3.12	2.39	5.46	1.75	2.02	14.41
31	5.04	---	5.02	9.07	---	4.80	---	2.23	---	1.76	1.84	---
MEAN	3.89	---	---	5.17	11.55	7.78	4.18	3.20	3.15	---	---	10.24
MAX	5.07	---	---	9.07	13.86	12.25	4.76	4.08	5.72	---	---	14.41
MIN	2.81	---	---	4.39	8.75	4.80	3.03	2.23	1.86	---	---	1.72

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225000 ALTAMAHA RIVER NEAR BAXLEY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 001
LATITUDE 315620 LONGITUDE 0822113 NAD27 DRAINAGE AREA 11600 CONTRIBUTING DRAINAGE AREA 11600* DATUM 61.51 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.07	0.71	0.02	0.00	2.12
2	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.47	0.00	0.21	0.96	0.68
3	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.20	0.00	0.01	0.01	0.00
4	0.00	0.06	0.16	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.35	0.21
5	0.00	0.18	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
6	0.01	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00	5.48
7	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.06	0.00	1.77
8	0.00	0.03	0.00	0.08	0.00	0.00	0.45	0.00	0.07	0.00	0.00	0.01
9	0.00	0.00	0.00	0.25	0.00	0.09	0.00	0.00	0.01	0.00	0.00	0.00
10	0.00	0.00	0.40	0.00	0.00	0.01	0.00	0.00	0.12	0.22	0.18	0.31
11	0.02	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.59	0.26	0.01
12	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.40	0.04	0.00	0.40	0.02
13	0.23	0.00	0.01	0.00	0.03	0.00	0.25	0.00	0.79	0.00	0.29	1.59
14	0.02	0.00	0.76	0.00	1.27	0.00	0.00	0.00	0.16	0.00	0.29	0.11
15	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	1.13	0.01	0.00	0.01
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
17	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	2.21	0.52
18	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
19	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.00	0.76	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.26	0.04	1.35	0.00
24	0.00	0.11	0.03	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	0.00	0.12	0.33	0.00	0.00	0.00	0.55	0.07	0.00	0.00
26	0.13	0.00	0.00	2.77	0.43	0.00	0.69	0.00	0.09	0.00	0.00	0.23
27	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.62	0.00	1.94
28	3.74	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00
29	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00
30	0.00	0.00	0.15	0.00	---	0.06	0.17	0.00	0.26	0.00	0.26	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.09	---	0.00	0.00	---
TOTAL	4.94	1.11	1.54	3.52	4.56	0.16	1.56	1.24	6.47	2.61	7.32	15.03

ALTAMAHA RIVER BASIN
2004 Water Year

02225105 COBB CREEK AT US 1, NEAR JOHNSON CORNER, GA

LOCATION.—Lat 32°01'13", long 82°20'47", referenced to North American Datum (NAD) of 1983, Toombs County, Hydrologic Unit 03070106, located at bridge crossing on US 1, 6.5 miles upstream of the Altamaha River.

DRAINAGE AREA.—77.5 square miles.

REMARKS.—Datum of gage is 100.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
13...	02225105	20040413	1430	1028	80020	3.06	7.8	40	--	752	5.3	61
MAY												
19...	02225105	20040519	1330	1028	80020	2.66	E.10	70	9.4	771	1.2	13

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
13...	5.9	51	21.4	--	--	.20	.17	E.004	--	<.006	.052	1.13	--
MAY													
19...	6.5	80	21.7	22	27	.63	<.06	E.004	.24	<.006	.072	1.55	2.3

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
13...	--	--	--	--	--	--	1006	15.00	3044	10
MAY										
19...	2.3	12.8	6.5	12.8	98	17	1006	15.00	3070	1

02225105 COBB CREEK AT US 1, NEAR JOHNSON CORNER, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
13...	1430	80020	4.6	43.4	857	61	900	65.80	3970	3.3	10.1	1.5	1.2

Remark codes used in this table:
< -- Less than
E -- Estimated value

02225148 OHOOPEE RIVER AT GA 57, NEAR WRIGHTSVILLE, GA

LOCATION.—Lat 32°44'12", long 82°45'52", referenced to North American Datum (NAD) of 1927, Johnson County, Hydrologic Unit 03070107, located at bridge crossing on GA 57, 1.7 miles upstream of US 319.

DRAINAGE AREA.—56.3 square miles.

REMARKS.—Datum of gage is 290.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
12...	02225148	20040412	1800	1028	80020	5.02	7.7	40	--	745	7.3	80
MAY												
18...	02225148	20040518	0845	1028	80020	3.12	1.9	40	8.5	768	5.0	56

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)
APR													
12...	6.4	39	18.9	--	--	.05	.10	E.007	--	--	<.006	.033	.51
MAY													
18...	6.9	90	20.9	33	40	.05	.20	E.005	.06	.031	.010	.041	.62

Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR											
12...	--	--	--	--	--	--	--	1006	15.00	3044	1
MAY											
18...	.5	.5	6.8	.6	.2	93	10	1006	15.00	3044	1

02225148 OHOOPEE RIVER AT GA 57, NEAR WRIGHTSVILLE, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass periphyton, ashfree drymass g/m2 (49954)	Biomass periphyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass periphyton, ash weight, DTH, g/m2 (63765)	Periphyton biomass ash weight, g/m2 (00572)	Biomass periphyton, dry weight, DTH, g/m2 (63767)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Chlorophyll a periphyton, DTH, CF meth mg/m2 (63763)	Pheophytn a periphyton, DTH, CF meth mg/m2 (63764)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
MAY													
07...	1000	80020	4.8	33.6	699	110	733	115.5	1870	3.6	7.6	.4	2.6

Remark codes used in this table:
< -- Less than
E -- Estimated value

ALTAMAHA RIVER BASIN
2004 Water Year

02225250 LITTLE OHOOPEE RIVER AT US 80, NEAR SWAINSBORO, GA

LOCATION.—Lat 32°33'44", long 82°28'03", referenced to North American Datum (NAD) of 1927, Emanuel County, Hydrologic Unit 03070107, at US 80, 9.0 miles west of Swainsboro.

DRAINAGE AREA.—216 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1925, 1929, 1970, 1972, 1980 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 184.12 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 13.40 feet, October 13, 1990
DISCHARGE: 15,800 cfs, October 13, 1990

MAXIMUM FOR CURRENT YEAR.--
STAGE: 9.50 feet, June 13
DISCHARGE: 5,840 cfs, June 13

02225317 JACKS CREEK AT CR 252, NEAR STILLMORE, GA

LOCATION.—Lat 32°24'20", long 82°15'04", referenced to North American Datum (NAD) of 1983, Emanuel County, Hydrologic Unit 03070107, located at bridge crossing on County Road 252 (Old Kenfield Rd.), 0.9 miles upstream GA 46.

DRAINAGE AREA.—30.1 square miles.

REMARKS.—Datum of gage is 160.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
13...	02225317	20040413	0930	1028	80020	2.06	6.0	10	--	748	4.4	49
MAY												
18...	02225317	20040518	1130	1028	80020	1.54	.30	70	6.9	772	4.2	50

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
13...	5.4	48	19.8	--	--	.10	E.04	E.006	--	<.006	.040	1.02	--
MAY													
18...	5.7	53	25.3	5.5	7	.13	<.06	E.005	.26	E.003	.062	1.30	2.5

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
13...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
18...	2.5	26.9	10.7	18.4	98	23	1006	15.00	3070	30

02225317 JACKS CREEK AT CR 252, NEAR STILLMORE, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
13...	0930	80020	8.6	108	1450	91	1560	99.40	4530	13.3	26.5	2.1	1.9

Remark codes used in this table:
< -- Less than
E -- Estimated value

ALTAMAHA RIVER BASIN
2004 Water Year

02225330 BEAVER CREEK NEAR COBBTOWN, GA

LOCATION.—Lat 32°16'52", long 81°11'27", referenced to North American Datum (NAD) of 1927, Tattnall County, Hydrologic Unit 03070107, at culvert on GA 152, 3.2 miles west of Cobbtown.

DRAINAGE AREA.—9.58 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1965 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 150.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 8.04 feet, August 24, 1991
DISCHARGE: 2,030 cfs, August 24, 1991

MAXIMUM FOR CURRENT YEAR.--
STAGE: 4.34 feet, September 7
DISCHARGE: 219 cfs, September 7

02225353 PENDLETON CREEK AT GA 297, NEAR VIDALIA, GA

LOCATION.—Lat 32°21'14", long 82°24'32", referenced to North American Datum (NAD) of 1983, Toombs County, Hydrologic Unit 03070107, located at bridge crossing on GA 297, 3.8 miles downstream of GA 46, and 9.4 miles upstream of US 1.

DRAINAGE AREA.—79.4 square miles.

REMARKS.—Datum of gage is 180 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
13...	02225353	20040413	1115	1028	80020	--	7.9	40	--	748	5.1	58
MAY												
18...	02225353	20040518	1440	1028	80020	3.48	1.2	40	6.2	771	4.6	52

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
13...	5.4	33	20.5	--	--	.10	<.06	E.004	--	<.006	.025	.70	--
MAY													
18...	5.9	39	22.3	4.5	6	.20	<.06	<.008	.10	<.006	.031	.84	.9

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
13...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
18...	.9	11.9	2.5	.9	97	20	1006	15.00	3044	10

02225353 PENDLETON CREEK AT GA 297, NEAR VIDALIA, GA — continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
06...	1300	80020	11.9	50.8	744	110	795	117.3	2270	22.6	43.0	4.4	5.3

Remark codes used in this table:
< -- Less than
E -- Estimated value

02225365 TIGER CREEK AT GA 297, NEAR VIDALIA, GA

LOCATION.—Lat 32°19'09", long 82°24'23", referenced to North American Datum (NAD) of 1983, Toombs County, Hydrologic Unit 03070107, located at bridge crossing on GA 297, 2.8 miles downstream of Taylor Springs Road and 4.7 miles upstream of confluence with Pendleton Creek.

DRAINAGE AREA.—58.7 square miles.

REMARKS.—Datum of gage is 170.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
13...	02225365	20040413	1300	1028	80020	6.40	7.0	10	--	750	5.8	64
MAY												
18...	02225365	20040518	1400	1028	80020	5.65	E.02	70	7.5	771	2.0	24

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
13...	5.4	41	19.6	--	--	<.04	<.06	E.004	--	<.006	.028	.64	--
MAY													
18...	6.2	66	25.0	17	21	.38	<.06	<.008	.04	<.006	.049	1.16	1.0

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
13...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
18...	1.0	12.3	3.9	4.6	97	16	1006	15.00	3070	1

02225365 TIGER CREEK AT GA 297, NEAR VIDALIA, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
06...	1600	80020	7.2	40.8	636	78	676	85.00	896	36.6	40.8	3.8	8.0

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

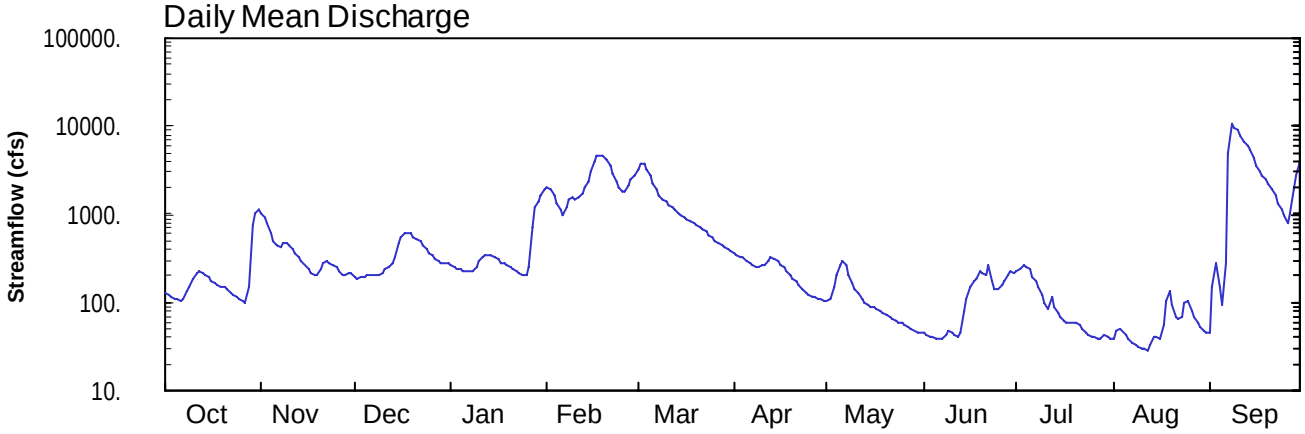
ALTAMAHA RIVER BASIN

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA

Latitude: 32°04'42" Longitude: 082°10'39" Hydrologic Unit Code: 03070107

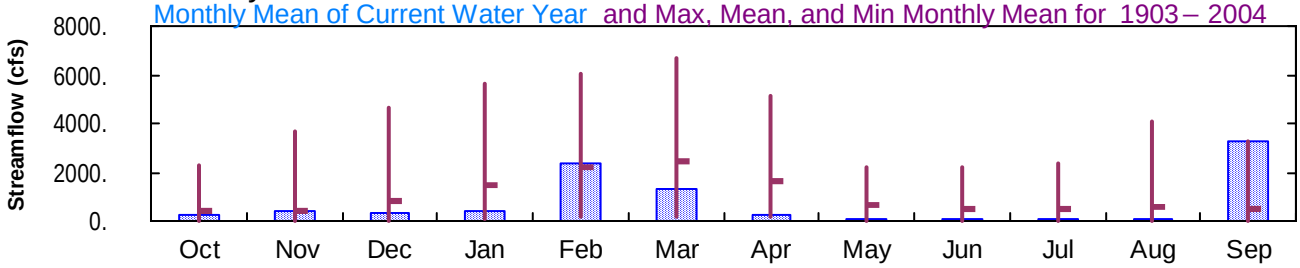
Tattnall County Datum: 73.80 feet Drainage Area: 1110. mi²

Daily Mean Discharge

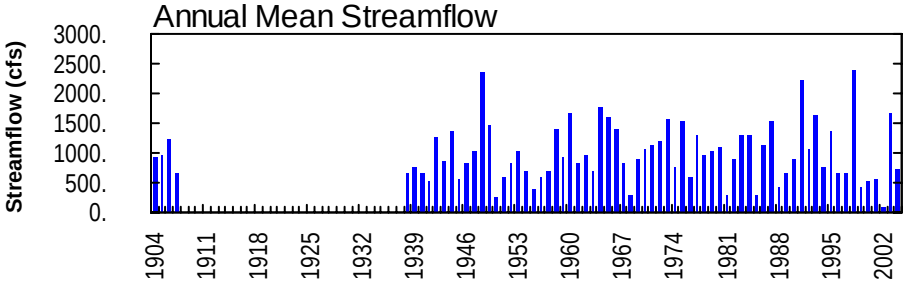


Monthly Statistics

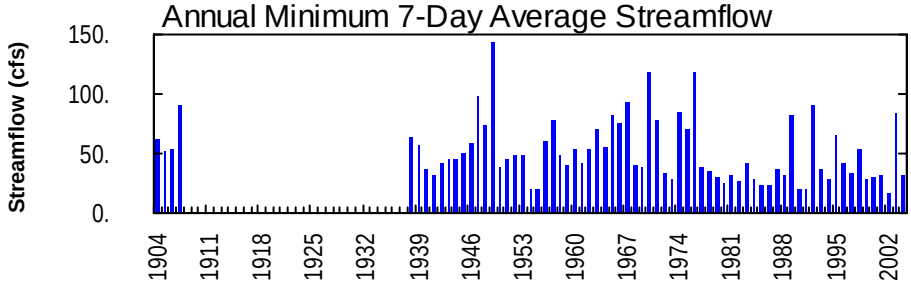
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1903 – 2004



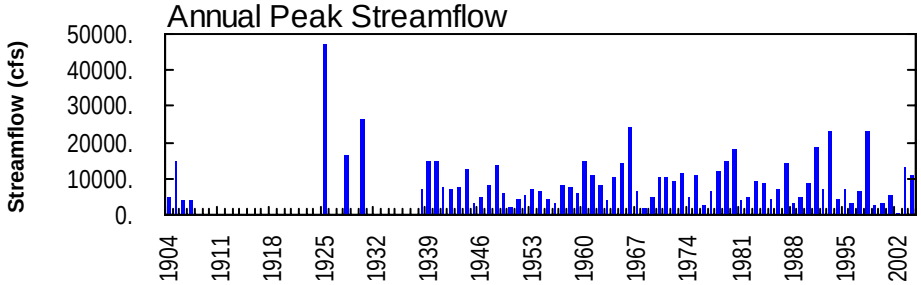
Annual Mean Streamflow

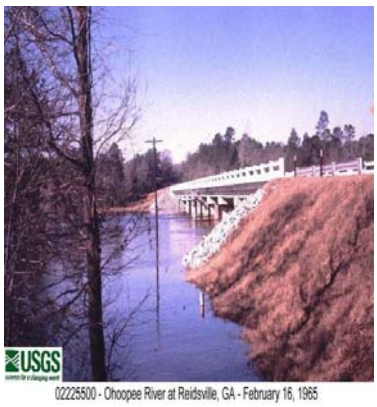


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02225500 - Ohoopee River at Reidsville, GA - February 16, 1965

ALTAMAHA RIVER BASIN
2004 Water Year

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA

LOCATION.—Lat 32°04'42", long 82°10'39", referenced to North American Datum (NAD) of 1927, Tattnall County, Hydrologic Unit 03070107, on downstream side of pier near center span of bridge on GA 56, 0.5 miles downstream from Brazells Creek, 1.5 miles downstream from Rocky Creek, 3.5 miles west of Reidsville, 6.0 miles downstream from Pendleton Creek, and 14.0 miles upstream from mouth.

DRAINAGE AREA.—1,110 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1903 to December 1907, April 1937 to current year. Monthly discharge only for April to June 1903, April to May 1937, published in WSP 1304.

REVISED RECORDS.—WSP 822: Drainage area. WSP 892: 1938(M). WSP 1504: 1905. WDR GA-84-1: 1983.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 73.8 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to February 15, 1941, a non-recording gage was located at same site, at different datum June 13, 1903, to December 31, 1907, and at same datum May 25, 1937, to February 15, 1941.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, 28.4 feet in January 1925, from information furnished by Georgia Department of Transportation; discharge, 47,000 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/18	2115	4,820	13.57
03/02	2145	3,830	12.42
09/08	1430	11,100*	18.19*

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1903 to December 1907, April 1937 to current year. Monthly discharge only for April to June 1903, April to May 1937, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 73.8 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to February 15, 1941, a non-recording gage was located at same site, at different datum June 13, 1903, to December 31, 1907, and at same datum May 25, 1937, to February 15, 1941.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.19 feet, September 8; minimum gage-height recorded, 1.01 feet, August 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 5, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 267
LATITUDE 320442 LONGITUDE 0821039 NAD27 DRAINAGE AREA 1110 CONTRIBUTING DRAINAGE AREA 1110* DATUM 73.80 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	1010	198	264	2040	3240	361	105	44	227	39	45
2	123	927	189	249	1910	3730	345	111	43	235	47	147
3	117	772	195	243	1620	3690	333	151	42	264	51	284
4	111	601	199	238	1340	3260	321	201	40	254	47	152
5	107	489	204	232	1130	2730	301	272	39	237	42	94
6	103	439	204	228	989	2250	281	298	38	197	39	284
7	111	427	200	222	1190	1890	263	259	39	174	36	4820
8	132	461	202	225	1470	1650	251	203	42	148	33	10700
9	150	477	205	252	1520	1490	254	164	47	120	31	9740
10	186	447	214	295	1470	1380	264	144	46	98	29	9270
11	211	400	235	322	1560	1290	271	125	42	86	29	7930
12	224	356	258	336	1760	1210	296	111	42	116	29	6570
13	214	321	273	339	2040	1120	324	101	46	91	33	5990
14	204	289	330	335	2390	1050	310	93	81	77	40	5490
15	191	261	459	326	3040	985	289	88	107	68	41	4460
16	176	237	551	306	3910	931	267	87	149	62	38	3590
17	164	221	595	286	4540	883	245	85	175	59	57	2990
18	157	205	617	285	4760	832	226	81	182	58	104	2760
19	152	208	613	268	4680	782	206	76	227	57	138	2480
20	146	239	562	254	4240	744	189	72	218	58	92	2200
21	140	277	522	240	3570	709	172	68	207	55	69	1930
22	131	290	484	228	2900	668	157	64	268	49	64	1620
23	121	280	441	216	2420	626	143	62	177	46	69	1360
24	114	268	401	206	2060	589	131	60	144	43	97	1140
25	107	248	365	206	1820	545	121	58	143	42	105	954
26	102	224	336	250	1840	503	113	54	155	40	82	806
27	99	209	314	728	2140	466	118	52	174	39	68	1010
28	151	204	299	1180	2460	438	110	50	203	38	59	1930
29	732	216	285	1430	2690	414	107	47	222	43	53	2770
30	1050	211	280	1640	---	393	105	46	216	41	49	3880
31	1130	---	272	1940	---	375	---	44	---	39	46	---
TOTAL	6986	11214	10502	13769	69499	40863	6874	3432	3598	3161	1756	97396
MEAN	225	374	339	444	2397	1318	229	111	120	102	56.6	3247
MAX	1130	1010	617	1940	4760	3730	361	298	268	264	138	10700
MIN	99	204	189	206	989	375	105	44	38	38	29	45
CFSM	0.20	0.34	0.31	0.40	2.16	1.19	0.21	0.10	0.11	0.09	0.05	2.92
IN.	0.23	0.38	0.35	0.46	2.33	1.37	0.23	0.12	0.12	0.11	0.06	3.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

MEAN	438	395	846	1470	2164	2476	1636	678	474	489	582	463
MAX	2325	3638	4674	5618	6017	6693	5120	2220	2215	2386	4069	3247
(WY)	1991	1948	1948	1987	1998	1966	1944	1964	1906	1941	1991	2004
MIN	20.8	24.5	29.8	65.0	154	176	166	36.7	27.2	27.1	30.5	23.0
(WY)	1955	2002	2002	2002	1950	1938	1968	2002	2002	1986	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	563395		269050			
ANNUAL MEAN	1544		735		994	
HIGHEST ANNUAL MEAN					2415	1998
LOWEST ANNUAL MEAN					106	2002
HIGHEST DAILY MEAN	13100	Mar 24	10700	Sep 8	23600	Mar 6 1966
LOWEST DAILY MEAN	99	Oct 27	29	Aug 10 a	16	Jun 17 2002
ANNUAL SEVEN-DAY MINIMUM	115	Oct 1	31	Aug 7	17	Jun 15 2002
MAXIMUM PEAK FLOW			11100	Sep 8	24400	Mar 6 1966
MAXIMUM PEAK STAGE			18.19	Sep 8	23.34	Mar 6 1966
INSTANTANEOUS LOW FLOW			28	Aug 12	19	Sep 12 1954
ANNUAL RUNOFF (CFSM)	1.39		0.662		0.896	
ANNUAL RUNOFF (INCHES)	18.88		9.02		12.17	
10 PERCENT EXCEEDS	3470		2050		2710	
50 PERCENT EXCEEDS	999		228		384	
90 PERCENT EXCEEDS	203		46		58	

a Also Aug 11,12

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 267
LATITUDE 320442 LONGITUDE 0821039 NAD27 DRAINAGE AREA 1110 CONTRIBUTING DRAINAGE AREA 1110* DATUM 73.80 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.22	7.03	2.82	3.27	9.78	11.65	3.88	2.00	1.26	3.03	1.19	1.28
2	2.16	6.71	2.75	3.18	9.52	12.30	3.79	2.06	1.25	3.08	1.31	2.35
3	2.11	6.05	2.79	3.13	8.86	12.25	3.71	2.43	1.23	3.28	1.36	3.40
4	2.05	5.21	2.82	3.10	8.15	11.68	3.64	2.83	1.20	3.21	1.30	2.44
5	2.01	4.61	2.86	3.06	7.48	10.93	3.52	3.33	1.18	3.10	1.23	1.88
6	1.98	4.33	2.86	3.03	6.96	10.16	3.38	3.50	1.17	2.81	1.18	3.17
7	2.06	4.27	2.83	2.99	7.67	9.46	3.27	3.24	1.18	2.63	1.13	13.02
8	2.27	4.45	2.85	3.01	8.49	8.92	3.19	2.85	1.24	2.42	1.09	18.00
9	2.44	4.54	2.86	3.19	8.63	8.55	3.21	2.55	1.30	2.15	1.06	17.48
10	2.73	4.37	2.93	3.48	8.49	8.28	3.28	2.38	1.29	1.93	1.03	17.21
11	2.91	4.11	3.08	3.65	8.73	8.02	3.32	2.21	1.23	1.80	1.03	16.31
12	3.00	3.85	3.24	3.73	9.17	7.74	3.48	2.06	1.23	2.11	1.02	15.23
13	2.93	3.64	3.34	3.75	9.77	7.45	3.66	1.96	1.29	1.85	1.08	14.72
14	2.85	3.44	3.69	3.73	10.39	7.17	3.57	1.88	1.74	1.69	1.20	14.24
15	2.76	3.25	4.44	3.67	11.38	6.94	3.44	1.83	2.03	1.59	1.22	13.17
16	2.65	3.09	4.95	3.54	12.52	6.72	3.29	1.81	2.42	1.51	1.17	12.12
17	2.55	2.98	5.18	3.42	13.27	6.53	3.15	1.79	2.64	1.47	1.43	11.32
18	2.50	2.87	5.30	3.41	13.51	6.31	3.02	1.74	2.69	1.46	1.99	10.97
19	2.46	2.89	5.28	3.30	13.42	6.10	2.88	1.69	3.03	1.45	2.32	10.55
20	2.40	3.11	5.01	3.21	12.91	5.92	2.74	1.64	2.96	1.46	1.86	10.09
21	2.34	3.36	4.79	3.11	12.08	5.75	2.62	1.59	2.87	1.41	1.60	9.55
22	2.26	3.44	4.58	3.03	11.19	5.56	2.49	1.54	3.30	1.34	1.53	8.86
23	2.17	3.38	4.34	2.95	10.44	5.35	2.37	1.51	2.65	1.29	1.60	8.20
24	2.10	3.31	4.11	2.87	9.82	5.15	2.26	1.48	2.38	1.25	1.92	7.53
25	2.03	3.17	3.91	2.87	9.31	4.92	2.16	1.45	2.37	1.23	2.00	6.82
26	1.97	3.01	3.73	3.17	9.36	4.69	2.09	1.41	2.48	1.21	1.75	6.22
27	1.94	2.90	3.60	5.79	9.98	4.48	2.13	1.38	2.63	1.18	1.59	6.97
28	2.38	2.86	3.50	7.64	10.51	4.32	2.05	1.35	2.85	1.17	1.48	9.52
29	5.83	2.95	3.41	8.39	10.88	4.19	2.03	1.31	2.99	1.24	1.40	10.99
30	7.19	2.91	3.37	8.90	---	4.07	2.01	1.29	2.95	1.21	1.33	12.48
31	7.48	---	3.33	9.57	---	3.97	---	1.27	---	1.18	1.29	---
MEAN	2.80	3.87	3.70	4.04	10.09	7.28	2.99	1.98	2.03	1.86	1.41	9.87
MAX	7.48	7.03	5.30	9.57	13.51	12.30	3.88	3.50	3.30	3.28	2.32	18.00
MIN	1.94	2.86	2.75	2.87	6.96	3.97	2.01	1.27	1.17	1.17	1.02	1.28

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 267
LATITUDE 320442 LONGITUDE 0821039 NAD27 DRAINAGE AREA 1110 CONTRIBUTING DRAINAGE AREA 1110* DATUM 73.80 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.01	0.00	0.00	0.06	0.00	0.01	0.28	0.21	0.01	0.01	1.51
2	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.58	0.01	0.56	0.21	0.01
3	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.47	0.00	0.00	0.01	0.01
4	0.00	0.05	0.29	0.00	0.00	0.02	0.00	0.01	0.04	0.00	0.00	0.00
5	0.00	0.17	0.00	0.10	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.03
6	0.08	0.02	0.00	0.05	0.87	0.00	0.00	0.00	0.00	0.00	0.00	6.17
7	0.65	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.48	0.08	0.00	3.55
8	0.11	0.00	0.00	0.12	0.00	0.00	0.30	0.00	0.54	0.00	0.00	0.05
9	0.00	0.00	0.00	0.25	0.00	0.12	0.01	0.00	1.48	0.00	0.02	0.00
10	0.02	0.00	0.34	0.01	0.00	0.01	0.00	0.00	0.03	0.07	0.09	0.27
11	0.00	0.00	0.00	0.00	0.28	0.00	0.09	0.01	0.00	1.56	0.38	0.01
12	0.00	0.00	0.01	0.00	0.74	0.00	0.02	0.00	0.00	0.01	0.17	0.02
13	0.25	0.00	0.01	0.02	0.01	0.00	0.21	0.01	1.33	0.00	0.45	0.33
14	0.08	0.00	0.71	0.01	1.35	0.00	0.01	0.00	0.77	0.01	0.81	0.14
15	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.42	0.23	0.09	0.01
16	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.02
17	0.04	0.00	0.02	0.00	0.06	0.00	0.00	0.01	0.01	0.13	2.17	0.36
18	0.01	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
19	0.00	0.62	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01
21	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	2.99	0.00	0.05	0.00
22	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.07	0.00	0.02	0.0	0.37	0.04	0.03	0.00
24	0.00	0.09	0.02	0.00	0.03	0.00	0.00	0.01	0.47	0.00	0.01	0.00
25	0.00	0.00	0.00	0.32	0.36	0.00	0.00	0.00	0.22	0.00	0.00	0.00
26	0.05	0.00	0.00	1.95	0.61	0.02	0.53	0.00	0.05	0.00	0.01	0.31
27	0.25	0.00	0.00	0.03	0.01	0.00	0.00	0.01	0.07	0.01	0.01	2.07
28	3.12	0.37	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
29	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.01
30	0.00	0.00	0.09	0.00	---	0.09	0.08	0.00	0.54	0.00	0.05	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	4.75	1.36	1.51	2.97	4.59	0.26	1.31	1.42	10.41	3.25	4.60	14.89

ALTAMAHA RIVER BASIN
2004 Water Year

02225600 ROCKY CREEK AT GA 147, NEAR JOHNSON CORNER, GA

LOCATION.—Lat 32°02'20", long 82°14'18", referenced to North American Datum (NAD) of 1983, Toombs County, Hydrologic Unit 03070107, located at bridge crossing on State Highway 147, 4.7 miles upstream of confluence with the Ohoopee River.

DRAINAGE AREA.—75.1 square miles.

REMARKS.—Datum of gage is 100.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
13...	02225600	20040413	1630	1028	80020	3.74	12	10	--	752	5.9	66
MAY												
19...	02225600	20040519	1430	1028	80020	2.62	.20	40	8.7	771	4.3	48

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)
APR													
13...	6.4	67	20.5	--	--	.06	--	--	.09	--	E.007	--	E.003
MAY													
19...	6.6	80	21.5	22	27	.19	.398	.09	.10	.043	.013	.08	E.005

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR													
13...	.045	.84	--	--	--	--	--	--	--	1006	15.00	3044	1
MAY													
19...	.057	1.02	.8	.8	10.8	2.6	2.6	98	25	1006	15.00	3070	30

02225600 ROCKY CREEK AT GA 147, NEAR JOHNSON CORNER, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
13...	1800	80020	4.8	58.0	910	85	968	89.90	1140	19.7	19.1	2.5	4.2

Remark codes used in this table:
E -- Estimated value

2004 Water Year

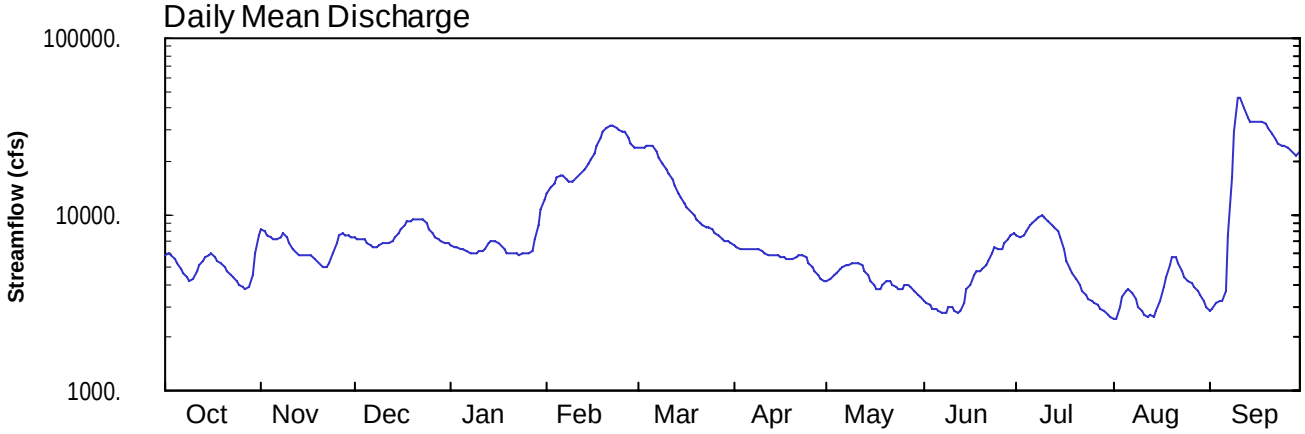
ALTAMAHA RIVER BASIN

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA

Latitude: 31°39'16" Longitude: 081°49'41" Hydrologic Unit Code: 03070106

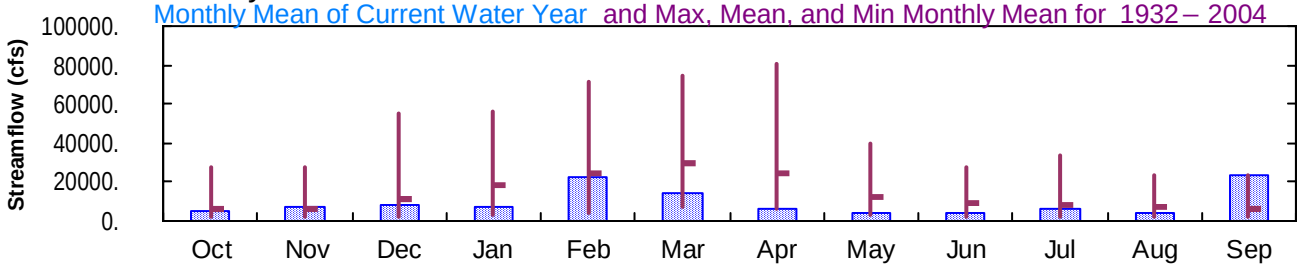
Wayne County Datum: 24.48 feet Drainage Area: 13600 mi²

Daily Mean Discharge

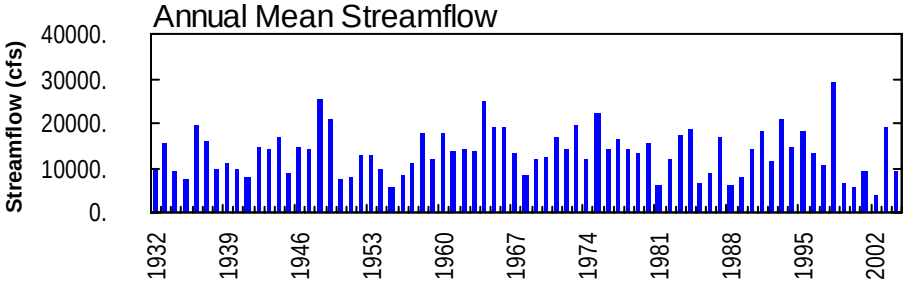


Monthly Statistics

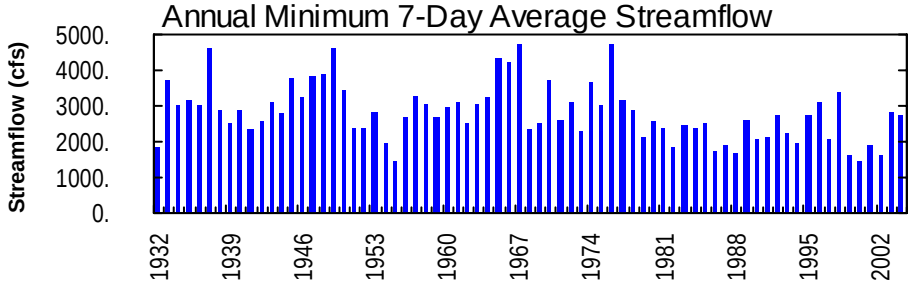
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1932 – 2004



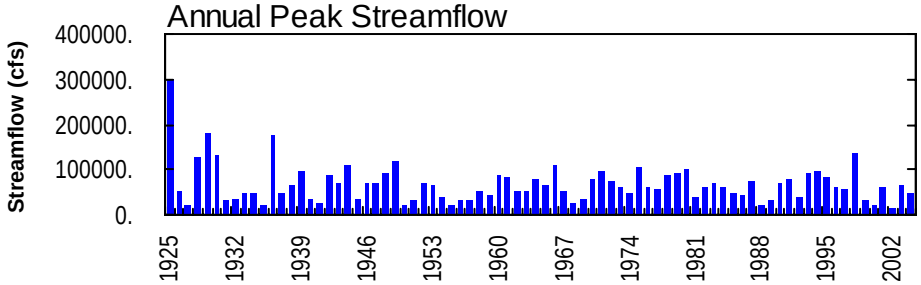
Annual Mean Streamflow

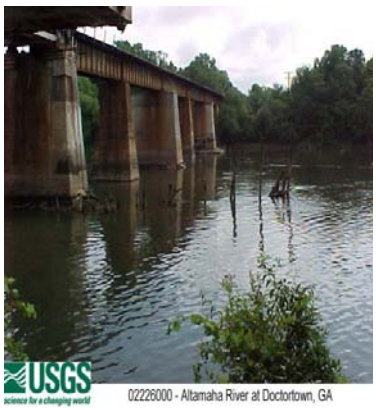


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





ALTAMAHA RIVER BASIN
2004 Water Year

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA

LOCATION.—Lat 31°39'16", long 81°49'41", referenced to North American Datum (NAD) of 1927, Wayne-Long County line, Hydrologic Unit 03070106, on right bank 60.0 feet downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 miles northeast of Jesup, and at mile 64.5.

DRAINAGE AREA.—13,600 square miles, approximately.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 24.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 5, 1934, a non-recording gage was installed, and from September 5, 1934 to September 30, 1975, a water-stage recorder was located at same site at datum 4.0 feet higher.

REMARKS.—Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1800, 18.6 feet, at present datum, on January 23, 1925, with a discharge of 300,000 cfs taken from a rating curve extended above 180,000 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 30,000 ft^3/s and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/21	1500	31,600	11.12
09/10	1900	47,900*	12.23*

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 24.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 5, 1934, a non-recording gage was installed, and from September 5, 1934 to September 30, 1975, a water-stage recorder was located at same site at datum 4.0 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.23 feet, September 10; minimum gage-height recorded, 2.53 feet, August 1, 2.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 24, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 305
LATITUDE 313916 LONGITUDE 0814941 NAD27 DRAINAGE AREA 13600.00 CONTRIBUTING DRAINAGE AREA 13600* DATUM 24.48 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5830	8220	7340	6760	13100	23600	6700	4200	3250	7590	2550	2820
2	5950	8030	7220	6570	14100	23800	6510	4270	3140	7450	2580	2880
3	5860	7570	7220	6460	15100	24100	6410	4460	3030	7550	2970	3120
4	5620	7370	7130	6380	16000	24400	6340	4690	2940	8050	3390	3260
5	5310	7290	6940	6300	16600	24600	6300	4890	2880	8590	3670	3260
6	4920	7140	6690	6190	16500	24300	6290	5030	2800	8970	3750	3640
7	4590	7460	6490	6090	15900	22900	6320	5150	2750	9250	3580	7640
8	4360	7750	6490	6040	15200	21100	6330	5180	2750	9610	3280	16000
9	4220	7390	6640	6070	15200	19300	6300	5230	2950	9800	3010	29700
10	4340	6830	6780	6140	15800	18000	6180	5310	2960	9570	2810	45600
11	4750	6420	6800	6180	16700	16900	6030	5270	2850	9040	2680	45800
12	5130	6150	6850	6400	17500	15800	5910	5090	2770	8700	2640	40300
13	5470	5930	7040	6810	18200	14600	5850	4820	2800	8430	2660	35600
14	5720	5830	7460	7030	19200	13300	5800	4520	3140	8000	2650	33400
15	5940	5910	7750	6990	20600	12300	5800	4210	3740	7340	2800	33100
16	5950	5940	8150	6840	22400	11600	5780	3960	4020	6420	3210	33900
17	5680	5810	8660	6630	24700	11000	5680	3810	4510	5460	3840	33900
18	5460	5610	9050	6290	27300	10400	5580	3780	4740	4910	4410	33200
19	5280	5430	9220	6000	29500	9810	5540	4010	4740	4590	5200	32300
20	5020	5200	9250	6030	30800	9260	5600	4230	4950	4250	5740	31100
21	4740	5060	9360	6060	31500	8920	5720	4160	5140	3920	5730	29000
22	4530	5070	9460	5950	31500	8680	5810	4010	5440	3660	5270	26800
23	4350	5250	9360	5870	31100	8550	5820	3890	6020	3460	4820	25400
24	4180	5950	8880	5950	30400	8410	5650	3790	6470	3320	4450	24700
25	4010	6830	8280	6040	29600	8160	5340	3820	6370	3220	4170	24400
26	3860	7580	7770	6010	29200	7880	5010	3960	6320	3150	4070	23800
27	3760	7780	7450	6240	27500	7600	4730	3970	6770	3050	3900	23500
28	3830	7520	7210	7220	25300	7310	4480	3840	7190	2920	3640	22400
29	4580	7530	7030	8780	24000	7060	4250	3650	7530	2800	3450	21400
30	6090	7510	6950	10600	---	6970	4150	3510	7720	2680	3210	22800
31	7510	---	6900	12100	---	6890	---	3360	---	2620	2990	---
TOTAL	156840	199360	237820	209020	640500	437500	172210	134070	132680	188370	113120	714720
MEAN	5059	6645	7672	6743	22090	14110	5740	4325	4423	6076	3649	23820
MAX	7510	8220	9460	12100	31500	24600	6700	5310	7720	9800	5740	45800
MIN	3760	5060	6490	5870	13100	6890	4150	3360	2750	2620	2550	2820
CFSM	0.37	0.49	0.56	0.50	1.62	1.04	0.42	0.32	0.33	0.45	0.27	1.75
IN.	0.43	0.55	0.65	0.57	1.75	1.20	0.47	0.37	0.36	0.52	0.31	1.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2004, BY WATER YEAR (WY)

MEAN	6134	6199	10960	18100	24550	29270	24780	12640	8724	7741	7579	6237
MAX	27680	27850	55570	56050	70970	74520	80960	39850	27520	33290	23090	23820
(WY)	1995	1948	1949	1998	1998	1998	1936	1964	2003	1994	1964	2004
MIN	1748	1789	2514	3469	4512	6795	5740	2991	1940	1736	1773	1874
(WY)	1955	1955	2002	2002	1989	1938	2004	1986	2000	2000	2000	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1932 - 2004	
ANNUAL TOTAL	6772490		3336210			
ANNUAL MEAN	18550		9115		13520	
HIGHEST ANNUAL MEAN					29390	1998
LOWEST ANNUAL MEAN					4134	2002
HIGHEST DAILY MEAN	66000	Mar 25	45800	Sep 11	178000	Apr 18 1936
LOWEST DAILY MEAN	3760	Oct 27	2550	Aug 1	1410	Aug 30 2000
ANNUAL SEVEN-DAY MINIMUM	4070	Oct 22	2730	Jul 28	1440	Aug 26 2000
MAXIMUM PEAK FLOW			47900	Sep 10	178000	Apr 18 1936
MAXIMUM PEAK STAGE			12.23	Sep 10	16.03	Apr 18 1936
INSTANTANEOUS LOW FLOW			2520	Aug 1	1400	Aug 30 2000
ANNUAL RUNOFF (CFSM)	1.36		0.670		0.994	
ANNUAL RUNOFF (INCHES)	18.52		9.13		13.50	
10 PERCENT EXCEEDS	34400		23700		31400	
50 PERCENT EXCEEDS	15800		6180		8070	
90 PERCENT EXCEEDS	5470		3240		3150	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 305
LATITUDE 313916 LONGITUDE 0814941 NAD27 DRAINAGE AREA 13600.00 CONTRIBUTING DRAINAGE AREA 13600* DATUM 24.48 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.02	7.55	7.12	6.74	8.99	10.36	6.70	4.46	3.41	7.25	2.56	2.90
2	6.12	7.46	7.06	6.61	9.17	10.37	6.56	4.53	3.29	7.18	2.60	2.97
3	6.05	7.24	7.06	6.52	9.32	10.40	6.48	4.73	3.16	7.23	3.08	3.26
4	5.84	7.14	7.01	6.45	9.45	10.44	6.43	4.96	3.05	7.47	3.58	3.42
5	5.55	7.10	6.88	6.39	9.53	10.46	6.39	5.15	2.98	7.73	3.90	3.43
6	5.18	7.02	6.70	6.31	9.51	10.43	6.38	5.29	2.88	7.90	3.99	3.86
7	4.86	7.18	6.54	6.23	9.43	10.28	6.41	5.40	2.82	8.01	3.80	6.83
8	4.63	7.33	6.54	6.19	9.33	10.07	6.42	5.43	2.81	8.12	3.45	9.42
9	4.49	7.15	6.66	6.21	9.33	9.87	6.39	5.48	3.05	8.17	3.13	10.90
10	4.60	6.80	6.76	6.27	9.42	9.70	6.30	5.55	3.08	8.11	2.89	12.09
11	5.02	6.49	6.78	6.30	9.54	9.56	6.18	5.51	2.94	7.93	2.73	12.11
12	5.38	6.28	6.81	6.47	9.65	9.42	6.09	5.34	2.84	7.77	2.68	11.76
13	5.70	6.11	6.95	6.79	9.72	9.24	6.04	5.08	2.88	7.65	2.71	11.43
14	5.93	6.03	7.18	6.95	9.86	9.03	6.00	4.79	3.29	7.45	2.69	11.26
15	6.11	6.09	7.33	6.92	10.02	8.82	6.00	4.47	3.98	7.12	2.88	11.24
16	6.12	6.11	7.52	6.80	10.22	8.65	5.98	4.22	4.27	6.48	3.37	11.30
17	5.90	6.01	7.76	6.65	10.47	8.49	5.89	4.05	4.78	5.69	4.08	11.30
18	5.69	5.83	7.93	6.39	10.73	8.33	5.80	4.02	5.01	5.17	4.68	11.25
19	5.52	5.66	8.00	6.16	10.94	8.17	5.77	4.27	5.01	4.86	5.44	11.17
20	5.28	5.45	8.01	6.18	11.05	8.01	5.82	4.50	5.21	4.51	5.95	11.07
21	5.01	5.32	8.05	6.21	11.11	7.88	5.92	4.42	5.39	4.17	5.93	10.89
22	4.80	5.33	8.08	6.12	11.11	7.77	6.01	4.27	5.68	3.89	5.52	10.68
23	4.62	5.49	8.05	6.06	11.07	7.71	6.01	4.14	6.17	3.66	5.08	10.54
24	4.44	6.11	7.86	6.12	11.02	7.64	5.86	4.03	6.52	3.50	4.72	10.48
25	4.27	6.79	7.58	6.19	10.95	7.52	5.58	4.06	6.45	3.38	4.44	10.44
26	4.11	7.24	7.34	6.17	10.91	7.39	5.27	4.21	6.41	3.30	4.32	10.38
27	4.00	7.34	7.18	6.35	10.75	7.25	5.00	4.23	6.76	3.19	4.15	10.34
28	4.08	7.21	7.06	7.03	10.54	7.11	4.75	4.08	7.04	3.03	3.86	10.22
29	4.84	7.22	6.95	7.80	10.40	6.97	4.51	3.88	7.22	2.87	3.65	10.11
30	6.21	7.21	6.89	8.39	---	6.90	4.41	3.71	7.31	2.73	3.37	10.26
31	7.20	---	6.85	8.76	---	6.85	---	3.55	---	2.65	3.10	---
MEAN	5.28	6.58	7.24	6.60	10.12	8.74	5.91	4.57	4.52	5.75	3.82	9.24
MAX	7.20	7.55	8.08	8.76	11.11	10.46	6.70	5.55	7.31	8.17	5.95	12.11
MIN	4.00	5.32	6.54	6.06	8.99	6.85	4.41	3.55	2.81	2.65	2.56	2.90

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 305
LATITUDE 313916 LONGITUDE 0814941 NAD27 DRAINAGE AREA 13600.00 CONTRIBUTING DRAINAGE AREA 13600* DATUM 24.48 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	0.00	0.00	---	0.08	0.50	0.00	0.21
2	---	---	---	---	0.00	0.00	0.02	---	0.00	0.37	1.81	2.14
3	---	---	---	---	0.00	0.00	0.00	---	0.00	0.03	0.13	0.00
4	---	---	---	---	0.00	0.00	0.00	---	0.03	0.00	0.05	0.00
5	---	---	---	---	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.77
6	---	---	---	---	0.93	0.00	0.00	0.01	0.00	0.00	0.00	3.58
7	---	---	---	---	0.00	0.00	0.00	0.00	0.11	0.29	0.00	2.32
8	---	---	---	---	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.30
9	---	---	---	---	0.00	0.03	0.01	0.00	0.14	0.00	0.00	0.00
10	---	---	---	---	0.00	0.01	0.00	0.00	0.04	0.01	0.01	1.32
11	---	---	---	---	0.13	0.00	0.00	0.06	0.01	0.00	0.81	0.00
12	---	---	---	---	0.34	0.00	0.04	0.01	0.00	---	2.44	0.00
13	---	---	---	---	0.14	0.00	0.48	0.01	0.06	---	0.51	0.09
14	---	---	---	---	1.03	0.00	0.00	0.00	---	---	0.00	0.00
15	---	---	---	---	0.02	0.00	0.00	0.00	---	1.30	0.54	0.01
16	---	---	---	---	0.00	0.00	0.00	0.00	---	0.00	0.00	0.05
17	---	---	---	---	0.09	0.00	0.00	0.00	---	0.29	0.61	0.00
18	---	---	---	---	0.00	0.00	0.00	0.00	0.01	0.27	0.00	0.00
19	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	0.00	0.00	0.06	0.00	---	0.00	0.09	0.00
22	---	---	---	---	0.00	0.00	0.00	0.92	---	0.00	0.01	0.00
23	---	---	---	0.00	0.04	0.00	0.00	0.06	---	0.00	0.25	0.00
24	---	---	---	0.00	0.09	0.00	0.00	0.00	---	1.14	0.00	0.00
25	---	---	---	0.04	0.25	0.00	0.00	0.00	0.69	0.05	0.00	0.00
26	---	---	---	1.33	0.78	0.00	0.16	0.00	0.05	0.00	0.00	0.01
27	---	---	---	0.01	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
28	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
30	---	---	---	0.00	---	0.09	---	0.00	0.23	0.00	0.00	0.00
31	---	---	---	0.00	---	0.00	---	0.00	---	0.03	0.00	---
TOTAL	---	---	---	---	---	0.13	---	---	---	---	7.26	10.80

BRUNSWICK RIVER BASIN
2004 Water Year

02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA

LOCATION.—Lat 31°08'00", long 81°23'48", referenced to North American Datum (NAD) of 1927, Glynn County, Hydrologic Unit 03070203, at downstream side of village pier, on St. Simons Island.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1988 to February 1998, November 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.00 feet, February 7, 1993; minimum gage-height recorded, -7.35 feet, March 13, 1993, but was lower during the day when the stage went below the recordable range in stage.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.11 feet, September 26; minimum gage-height recorded, -5.57 feet, April 13.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310800 LONGITUDE 0812348 NAD27 DRAINAGE AREA 14200 CONTRIBUTING DRAINAGE AREA 14200 DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.12	-1.98	1.32	4.62	-1.53	1.41	2.47	-3.51	-0.45	2.72	-3.14	-0.18
2	5.03	-1.83	1.48	4.45	-1.33	1.54	2.92	-2.60	0.32	2.91	-3.05	-0.13
3	4.87	-1.18	1.76	---	---	---	3.50	-2.01	0.83	3.05	-3.41	-0.15
4	4.45	-2.26	1.26	---	---	---	4.00	-2.58	0.93	3.08	-3.40	-0.15
5	3.96	-2.70	0.71	---	---	---	3.95	-2.99	0.61	3.21	-3.46	-0.36
6	4.09	-2.71	0.79	4.16	-2.53	0.77	3.32	-3.05	0.29	3.15	-3.73	-0.38
7	4.23	-2.52	0.86	3.97	-2.85	0.68	3.99	-2.99	0.68	3.59	-3.42	0.22
8	4.26	-2.76	0.78	4.36	-2.72	1.27	4.01	-2.72	0.64	3.80	-3.34	0.22
9	4.17	-2.88	0.87	4.84	-1.16	1.92	3.99	-2.56	0.80	4.05	-3.18	0.35
10	4.26	-2.59	0.98	4.79	-1.19	1.67	4.09	-2.19	0.46	4.30	-2.85	0.61
11	4.20	-2.63	0.95	4.43	-2.03	1.03	3.23	-4.06	-0.43	4.21	-2.85	0.50
12	4.51	-2.05	1.22	3.64	-2.38	0.41	3.59	-2.80	0.19	3.29	-3.72	-0.25
13	4.33	-1.93	1.09	2.81	-3.18	-0.33	4.17	-2.09	0.84	2.89	-3.64	-0.64
14	4.13	-1.74	0.96	3.52	-2.03	0.43	4.11	-2.48	0.73	3.48	-3.22	-0.18
15	3.92	-2.43	0.57	3.26	-2.06	0.27	3.58	-2.40	0.16	2.63	-3.55	-0.57
16	3.57	-1.33	0.85	3.15	-2.15	0.12	3.54	-2.27	0.25	3.20	-2.76	0.34
17	3.44	-1.34	0.77	3.03	-2.21	0.08	3.08	-3.74	-0.56	3.85	-3.37	0.44
18	3.59	-1.27	0.93	3.20	-2.44	0.28	2.59	-4.00	-0.47	4.36	-4.53	0.10
19	3.69	-1.39	0.94	2.96	-4.47	-0.13	2.95	-4.73	-0.71	4.02	-4.48	-0.12
20	3.61	-2.08	0.69	3.84	-3.50	0.35	3.45	-4.40	-0.40	4.77	-4.32	0.53
21	3.65	-3.38	0.41	4.46	-3.76	0.72	4.58	-4.32	0.21	4.81	-4.22	0.34
22	4.14	-3.35	0.18	4.70	-3.81	0.65	4.79	-4.57	0.18	4.53	-4.41	-0.06
23	4.78	-3.06	1.10	5.12	-4.09	0.61	5.05	-4.69	0.25	3.66	-5.06	-0.49
24	4.74	-3.42	0.87	5.32	-4.17	0.49	4.83	-4.71	-0.07	3.60	-4.53	-0.51
25	5.14	-3.49	0.91	5.38	-4.62	0.57	4.22	-4.73	-0.27	4.01	-3.88	0.13
26	4.99	-3.98	0.54	5.49	-3.55	0.85	4.23	-4.30	-0.15	3.85	-2.72	0.49
27	5.05	-3.95	0.48	5.13	-3.04	0.73	3.97	-3.49	-0.05	3.91	-2.76	0.43
28	5.24	-3.49	0.73	4.42	-4.05	-0.09	3.75	-2.91	0.11	2.69	-3.54	-0.67
29	4.83	-3.59	0.49	3.15	-3.69	-0.54	3.38	-3.07	0.00	2.40	-2.97	-0.43
30	4.70	-2.72	0.75	3.03	-3.17	-0.19	2.78	-3.53	-0.48	2.27	-2.92	-0.57
31	4.71	-1.78	1.20	---	---	---	2.67	-2.92	-0.10	2.20	-2.32	0.04
MONTH	5.24	-3.98	0.89	---	---	---	5.05	-4.73	0.14	4.81	-5.06	-0.04

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310800 LONGITUDE 0812348 NAD27 DRAINAGE AREA 14200 CONTRIBUTING DRAINAGE AREA 14200 DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.54	-0.91	1.15	2.69	-2.81	-0.15	2.89	-3.33	0.05	3.31	-3.50	0.10
2	4.03	-2.49	1.15	2.29	-3.64	-0.59	2.98	-3.65	-0.16	3.89	-3.92	0.12
3	3.31	-3.49	0.00	2.46	-3.63	-0.67	3.74	-3.69	0.29	4.31	-4.91	-0.18
4	3.36	-3.63	-0.17	2.86	-3.65	-0.43	4.01	-4.23	-0.03	5.04	-4.51	0.46
5	3.80	-3.38	0.29	3.27	-3.87	-0.35	4.49	-4.24	0.43	5.10	-4.41	0.24
6	3.97	-3.35	0.20	3.32	-4.62	-0.68	4.77	-4.27	0.20	5.05	-4.56	-0.05
7	2.87	-4.39	-0.86	3.41	-4.97	-0.71	4.50	-4.34	-0.05	4.75	-4.27	-0.11
8	3.50	-5.07	-0.48	3.89	-5.10	-0.66	4.37	-4.31	-0.23	4.51	-4.13	-0.04
9	3.67	-3.87	-0.16	4.11	-4.23	0.01	4.40	-3.92	0.02	4.37	-3.29	0.21
10	3.28	-4.17	-0.37	4.24	-3.40	0.28	4.34	-3.09	0.24	4.34	-3.00	0.37
11	3.30	-3.93	-0.52	4.00	-3.77	0.11	4.16	-2.87	0.17	4.24	-2.88	0.36
12	3.39	-2.91	0.06	4.00	-3.65	-0.30	3.96	-2.97	0.10	3.69	-3.04	0.32
13	3.71	-2.81	0.16	3.63	-3.11	0.09	3.28	-5.57	-0.75	3.43	-3.33	0.24
14	3.71	-2.78	0.36	3.94	-2.96	0.23	1.26	-5.47	-1.72	3.53	-3.53	0.21
15	3.71	-3.96	0.26	3.65	-3.33	0.02	3.19	-3.88	-0.18	3.63	-3.56	0.17
16	4.11	-2.66	0.59	3.75	-3.66	0.08	3.43	-3.85	-0.02	3.72	-3.51	0.09
17	4.53	-3.67	0.69	3.59	-3.77	0.07	3.57	-4.07	-0.10	3.79	-3.48	0.07
18	4.27	-3.86	0.30	4.24	-3.79	0.36	3.52	-4.28	-0.35	3.78	-3.67	-0.01
19	4.37	-4.35	0.03	3.99	-4.22	0.07	3.45	-4.60	-0.54	3.69	-3.57	-0.05
20	4.41	-4.75	-0.14	4.39	-3.54	0.60	3.38	-4.55	-0.79	3.31	-3.61	-0.34
21	3.79	-4.76	-0.45	3.87	-4.24	-0.02	3.44	-4.14	-0.55	3.11	-3.56	-0.54
22	3.86	-4.44	-0.22	4.18	-3.89	0.52	3.14	-3.74	-0.52	2.93	-3.42	-0.54
23	3.88	-3.65	0.16	4.00	-3.02	0.54	2.63	-3.52	-0.63	2.73	-3.27	-0.52
24	3.99	-3.09	0.48	3.59	-3.12	0.17	2.62	-3.30	-0.67	2.63	-3.20	-0.52
25	4.70	-1.73	1.53	3.20	-3.03	-0.10	2.59	-2.79	-0.38	2.63	-3.07	-0.64
26	5.01	-1.19	1.65	3.02	-2.97	-0.27	2.54	-2.42	-0.29	2.45	-3.15	-0.62
27	3.78	-1.74	0.67	2.77	-2.46	-0.22	2.25	-2.71	-0.21	2.16	-3.47	-0.62
28	3.51	-1.23	0.98	2.52	-2.16	-0.14	---	---	---	2.38	-3.60	-0.59
29	3.31	-2.03	0.39	3.35	-0.96	0.92	3.23	-2.32	0.27	3.22	-3.62	-0.26
30	---	---	---	3.35	-1.38	0.90	3.01	-3.05	0.19	4.04	-3.37	0.35
31	---	---	---	3.32	-2.57	0.68	---	---	---	4.21	-4.10	0.09
MONTH	5.01	-5.07	0.27	4.39	-5.10	0.01	---	---	---	5.10	-4.91	-0.07

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310800 LONGITUDE 0812348 NAD27 DRAINAGE AREA 14200 CONTRIBUTING DRAINAGE AREA 14200 DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.64	-4.59	-0.03	4.97	-4.38	0.17	5.06	-4.27	0.37	3.76	-4.46	-0.19
2	5.17	-4.63	0.11	5.10	-4.50	0.06	5.10	-3.78	0.54	3.83	-3.73	0.20
3	4.98	-4.67	-0.05	5.09	-4.35	0.09	4.56	-3.63	0.57	4.25	-2.29	0.84
4	4.91	-4.87	-0.30	4.95	-4.35	0.04	4.20	-3.63	0.40	4.09	-1.86	1.09
5	4.84	-4.69	-0.34	4.51	-4.06	0.06	3.88	-3.20	0.36	4.85	-0.69	2.02
6	4.47	-4.38	-0.09	4.36	-4.12	0.15	4.06	-3.09	0.70	4.56	-0.01	2.27
7	4.30	-3.90	0.01	4.34	-3.38	0.38	4.35	-1.51	1.35	3.25	-1.30	0.89
8	4.28	-3.36	0.22	3.92	-3.34	0.36	3.75	-1.78	0.87	2.93	-2.46	0.08
9	3.92	-3.24	0.31	3.57	-3.25	0.26	3.46	-2.06	0.63	2.98	-2.47	0.04
10	3.85	-3.08	0.41	3.70	-3.04	0.36	3.36	-2.17	0.48	3.22	-2.76	0.04
11	3.56	-3.39	0.14	3.90	-2.75	0.53	3.18	-2.49	0.26	3.77	-2.44	0.64
12	3.62	-3.47	0.11	3.73	-2.70	0.41	3.35	-3.03	-0.02	4.38	-2.18	1.07
13	4.32	-2.25	0.94	3.42	-3.06	0.01	3.15	-3.71	-0.39	4.58	-2.23	1.15
14	4.11	-2.54	0.62	3.26	-3.54	-0.27	3.36	-3.17	0.03	4.67	-2.31	1.29
15	3.91	-2.90	0.40	2.84	-3.65	-0.47	3.44	-3.81	-0.30	4.56	-2.84	1.07
16	3.61	-3.35	0.00	4.14	-3.04	0.01	3.79	-3.53	-0.05	4.19	-2.94	0.70
17	3.57	-3.29	-0.05	3.60	-3.01	0.13	3.67	-3.30	0.08	3.80	-3.80	0.04
18	3.49	-3.34	-0.19	3.66	-3.57	-0.19	3.77	-3.34	0.10	4.06	-4.07	0.02
19	3.60	-3.21	-0.18	3.72	-3.37	-0.05	3.44	-3.69	-0.07	4.32	-2.85	0.81
20	4.04	-2.81	0.45	3.64	-3.10	0.08	3.12	-3.78	-0.22	5.06	-1.12	1.89
21	3.97	-1.92	0.80	---	---	---	3.06	-3.77	-0.54	5.23	-0.67	2.10
22	3.38	-2.50	0.19	---	---	---	3.16	-3.98	-0.51	4.78	-1.60	1.64
23	3.00	-3.28	-0.45	3.36	-2.91	0.11	3.67	-3.35	0.02	4.30	-2.08	1.04
24	2.79	-3.29	-0.51	3.32	-3.10	0.04	4.16	-2.82	0.49	4.79	-2.12	1.38
25	2.68	-3.18	-0.38	3.48	-3.24	0.04	4.37	-2.82	0.69	5.30	-1.60	1.90
26	2.83	-3.69	-0.46	3.66	-3.43	0.08	4.34	-3.54	0.49	6.11	-1.50	2.40
27	3.46	-3.72	-0.15	4.07	-3.47	0.14	4.58	-3.68	0.51	5.18	-2.56	1.65
28	3.74	-3.91	-0.17	4.30	-3.89	0.10	5.31	-3.39	0.88	3.86	-4.28	-0.08
29	4.23	-4.38	-0.12	4.58	-4.26	0.09	4.31	-4.27	0.35	4.19	-4.42	0.12
30	4.80	-4.45	0.08	5.03	-4.34	0.33	4.20	-4.59	-0.24	4.41	-3.93	0.48
31	---	---	---	5.34	-4.06	0.54	3.96	-4.78	-0.31	---	---	---
MONTH	5.17	-4.87	0.04	---	---	---	5.31	-4.78	0.24	6.11	-4.46	0.95

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310800 LONGITUDE 0812348 NAD27 DRAINAGE AREA 14200 CONTRIBUTING DRAINAGE AREA 14200* DATUM 0.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.40	0.04	0.04	0.00	0.00
2	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.33	0.00	0.09	0.00	0.00
3	0.00	---	0.10	0.00	0.00	0.00	0.00	0.38	0.63	0.06	0.22	0.01
4	0.00	---	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	---	0.00	0.00	0.05	0.00	0.00	0.00	0.10	0.00	0.00	0.95
6	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.06	0.00	0.00	1.43
7	0.67	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.36	0.00	0.58
8	0.45	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.92	0.00
9	0.00	0.01	0.00	0.23	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.33	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	2.53
11	0.26	0.00	0.00	0.00	0.21	0.00	0.05	0.00	0.00	0.01	0.02	2.69
12	0.09	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.10	0.25
13	0.15	0.00	0.00	0.00	0.34	0.00	0.05	0.00	0.45	2.14	0.67	0.50
14	0.00	0.00	0.58	0.00	0.50	0.00	0.00	0.00	0.24	0.00	0.21	0.56
15	0.00	0.00	0.00	0.00	0.01	0.11	0.00	0.00	0.00	1.98	0.82	0.03
16	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.72	0.00	0.08
17	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.00	0.00	0.01	0.17	0.01
18	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
19	0.00	0.31	0.00	0.02	0.00	0.00	0.00	0.00	0.26	0.13	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.17	0.30
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.22	0.06
23	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.01	0.00
24	0.00	0.06	0.05	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.39	0.00
25	0.14	0.00	0.00	0.00	0.65	0.00	0.00	0.00	0.02	0.00	0.51	0.09
26	0.04	0.00	0.00	0.49	1.26	0.00	0.47	0.00	1.44	0.00	0.03	0.44
27	0.12	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.48
28	0.95	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
29	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.51	0.00	0.80	0.02	0.20	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.57	0.06	---
TOTAL	2.93	---	1.59	0.76	4.81	1.67	1.83	1.11	5.15	6.36	4.84	10.99

2004 Water Year

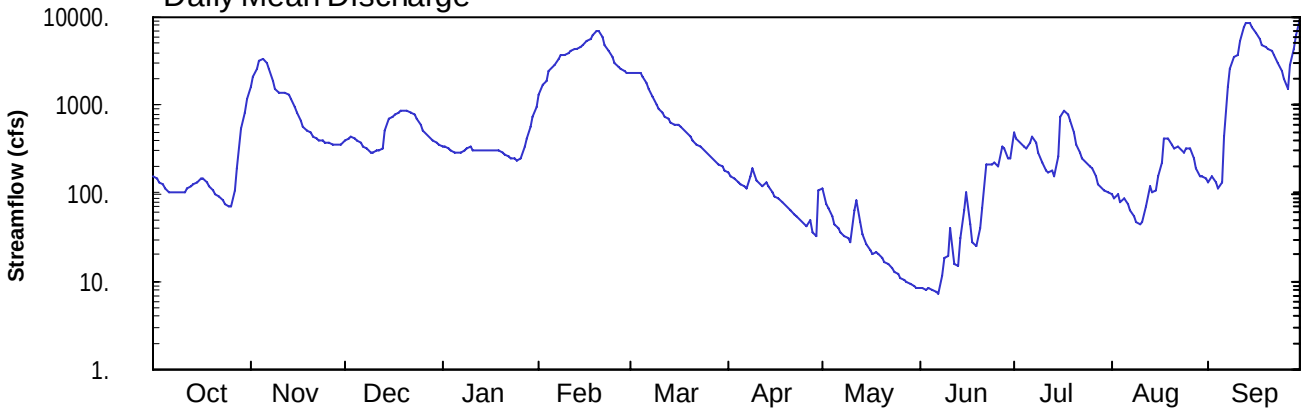
SATILLA RIVER BASIN

02226500 SATILLA RIVER NEAR WAYCROSS, GA

Latitude: 31°14'17" Longitude: 082°19'29" Hydrologic Unit Code: 03070201

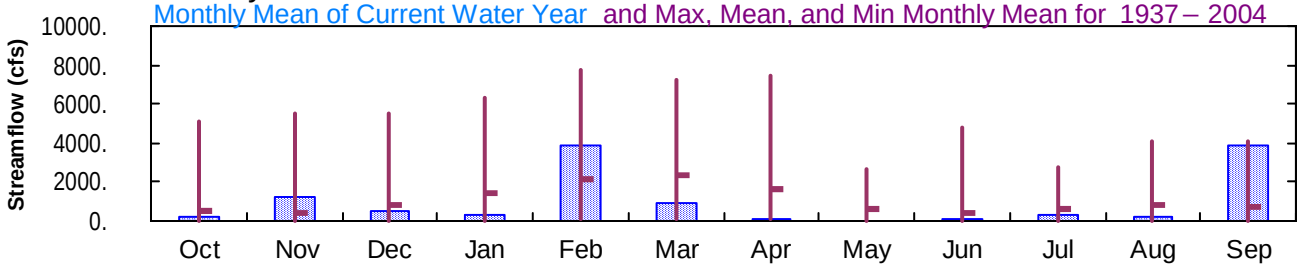
Ware County Datum: 66.43 feet Drainage Area: 1200. mi²

Daily Mean Discharge

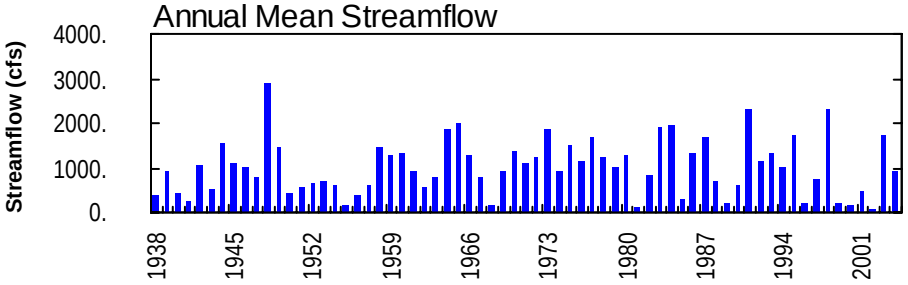


Monthly Statistics

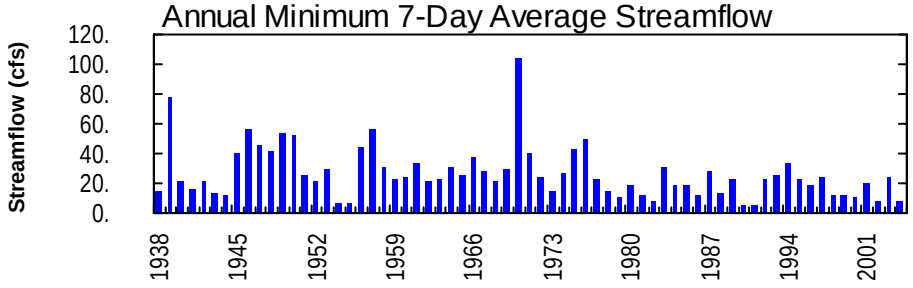
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004

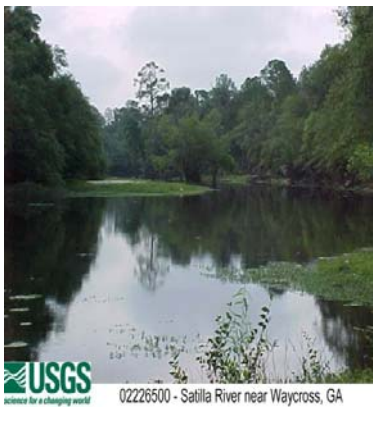


Annual Mean Streamflow

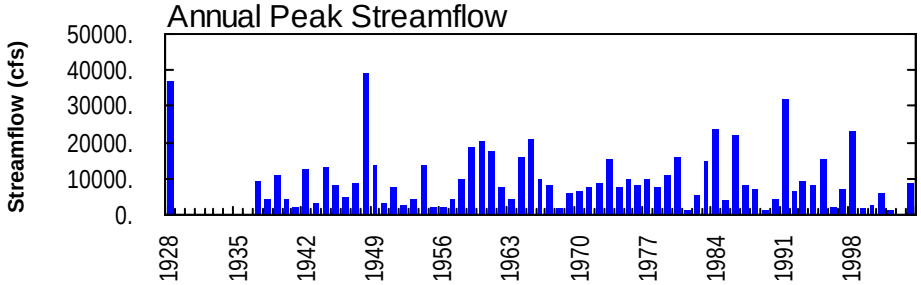


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



SATILLA RIVER BASIN
2004 Water Year

02226500 SATILLA RIVER NEAR WAYCROSS, GA

LOCATION.—Lat 31°14'17", long 82°19'29", referenced to North American Datum (NAD) of 1927, Ware-Pierce County line, Hydrologic Unit 03070201, on downstream side of pier near center span of bridge on GA 38, 3.0 miles northeast of Waycross, and 16.0 miles upstream from Alabaha River.

DRAINAGE AREA.—1,200 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

REVISED RECORDS.—WSP 952: 1939. WSP 1624: Drainage area. WDR GA-87- 1: 1986.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 66.43 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 22, 1952, a non-recording gage was located at site 300.00 feet downstream at same datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Maximum recorded discharge for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 1, 2004 and is not considered the peak discharge of the 2004 water year.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1862, that of April 4, 1948.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,700 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/05	0645	3,370	14.09
02/20	0115	7,130	16.23
09/13	1945	9,030*	16.95*

02226500 SATILLA RIVER NEAR WAYCROSS, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 66.43 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 22, 1952, a non-recording gage was located at site 300.00 feet downstream at same datum.

REMARKS.—Records good. Maximum recorded stage for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 1, 2004 and is not considered the peak stage of the 2004 water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.95 feet, September 13; minimum gage-height recorded, 3.49 feet, June 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226500 SATILLA RIVER NEAR WAYCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 299
LATITUDE 311417 LONGITUDE 0821929 NAD27 DRAINAGE AREA 1200 CONTRIBUTING DRAINAGE AREA 1200* DATUM 66.43 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	1650	388	346	1320	2350	169	115	8.5	491	99	136
2	144	2110	427	335	1730	2370	157	73	8.4	410	90	153
3	133	2620	433	322	e1940	2380	147	66	8.0	373	96	136
4	123	3130	415	309	e2450	2290	137	54	8.4	342	81	115
5	114	3340	394	298	e2710	2090	128	46	8.0	329	86	135
6	105	3080	369	288	e2920	1810	122	40	7.6	385	75	441
7	105	2540	342	286	e3310	1520	117	36	7.4	432	64	e1620
8	102	1930	316	302	e3690	1240	157	33	11	381	55	e2640
9	103	1550	293	322	e3800	1040	189	31	18	295	48	3550
10	101	1400	294	334	e3950	916	140	27	19	228	44	3720
11	104	1410	307	314	e4070	826	125	65	40	187	48	5370
12	113	1410	299	299	e4310	754	120	85	16	175	71	7820
13	119	1320	320	302	e4400	693	132	48	15	184	119	8570
14	125	1160	527	306	e4630	645	118	34	32	160	101	8610
15	134	964	689	306	e4930	614	105	27	66	258	109	7740
16	144	806	735	302	e5290	588	94	22	103	726	157	6610
17	145	682	790	305	e5630	557	86	20	44	850	222	5570
18	135	582	838	307	e6100	524	80	22	28	797	413	4870
19	121	527	862	301	e6800	487	75	20	25	656	428	4490
20	108	480	868	284	6910	438	69	19	40	491	358	4290
21	99	444	856	271	6060	399	64	17	66	362	314	4050
22	91	424	824	260	4940	366	58	16	211	285	333	3640
23	84	405	766	251	4080	338	55	14	218	247	317	3070
24	77	391	687	243	3530	315	50	13	209	220	295	2510
25	70	381	601	234	2980	294	45	12	219	201	324	1980
26	71	367	528	254	2720	272	42	11	198	193	316	1560
27	108	361	473	339	2520	251	48	10	348	152	244	2890
28	196	366	433	409	2420	231	36	9.8	319	129	192	4440
29	538	367	403	564	2360	212	32	9.4	244	116	159	6210
30	832	357	381	742	---	197	107	8.9	247	111	155	9530
31	1170	---	361	938	---	186	---	8.5	---	104	148	---
TOTAL	5766	36554	16219	10673	112500	27193	3004	1012.6	2792.3	10270	5561	116466
MEAN	186	1218	523	344	3879	877	100	32.7	93.1	331	179	3882
MAX	1170	3340	868	938	6910	2380	189	115	348	850	428	9530
MIN	70	357	293	234	1320	186	32	8.5	7.4	104	44	115
CFSM	0.15	1.02	0.44	0.29	3.23	0.73	0.08	0.03	0.08	0.28	0.15	3.24
IN.	0.18	1.13	0.50	0.33	3.49	0.84	0.09	0.03	0.09	0.32	0.17	3.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	537	376	854	1434	2098	2363	1680	571	449	587	776	702
MAX	5135	5516	5551	6302	7789	7218	7487	2675	4838	2778	4128	4047
(WY)	1948	1948	1965	1987	1986	1959	1948	1964	1973	1963	1971	1949
MIN	7.52	9.13	17.6	48.3	74.4	91.1	68.4	18.7	11.5	10.1	12.4	7.34
(WY)	1955	1955	1955	1981	1989	1955	1938	1999	2002	1990	1954	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	634144		348010.9			
ANNUAL MEAN	1737		951		1027	
HIGHEST ANNUAL MEAN					2910	1948
LOWEST ANNUAL MEAN					85.5	2002
HIGHEST DAILY MEAN	12100	Mar 11	9530	Sep 30	37000	Apr 4 1948
LOWEST DAILY MEAN	70	Oct 25	7.4	Jun 7	5.5	Oct 9 1990
ANNUAL SEVEN-DAY MINIMUM	86	Oct 20	8.0	Jun 1	5.6	Oct 3 1990
MAXIMUM PEAK FLOW			9030	Sep 13	39000	Apr 4 1948
MAXIMUM PEAK STAGE			16.95	Sep 13	22.40	Apr 4 1948
INSTANTANEOUS LOW FLOW			7.1	Jun 7	5.5	Oct 9 1990
ANNUAL RUNOFF (CFSM)	1.45		0.792		0.856	
ANNUAL RUNOFF (INCHES)	19.66		10.79		11.63	
10 PERCENT EXCEEDS	4450		3180		2890	
50 PERCENT EXCEEDS	823		300		318	
90 PERCENT EXCEEDS	195		34		31	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226500 SATILLA RIVER NEAR WAYCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 299
LATITUDE 311417 LONGITUDE 0821929 NAD27 DRAINAGE AREA 1200 CONTRIBUTING DRAINAGE AREA 1200* DATUM 66.43 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.58	11.90	7.24	7.09	11.67	13.32	5.74	5.19	3.56	8.14	5.02	5.41
2	5.50	12.69	7.47	7.03	12.47	13.35	5.62	4.73	3.55	7.60	4.93	5.58
3	5.39	13.34	7.51	6.94	---	13.35	5.53	4.64	3.53	7.35	4.99	5.41
4	5.28	13.88	7.40	6.86	---	13.26	5.42	4.48	3.55	7.13	4.82	5.19
5	5.18	14.07	7.28	6.79	---	13.01	5.33	4.36	3.54	7.04	4.89	5.38
6	5.08	13.83	7.13	6.72	---	12.60	5.26	4.27	3.52	7.43	4.75	7.72
7	5.09	13.24	6.97	6.71	---	12.08	5.21	4.20	3.51	7.76	4.62	---
8	5.06	12.41	6.80	6.83	---	11.50	5.58	4.15	3.66	7.40	4.49	---
9	5.06	11.70	6.66	6.98	---	10.93	5.90	4.11	3.84	6.78	4.39	14.42
10	5.05	11.38	6.66	7.07	---	10.45	5.46	4.04	3.86	6.24	4.33	14.55
11	5.07	11.39	6.75	6.92	---	10.01	5.29	4.48	4.24	5.88	4.38	15.48
12	5.17	11.40	6.69	6.81	---	9.63	5.24	4.85	3.78	5.78	4.65	16.50
13	5.24	11.19	6.83	6.83	---	9.30	5.37	4.38	3.75	5.86	5.23	16.79
14	5.30	10.76	8.01	6.86	---	9.04	5.23	4.16	4.09	5.64	5.05	16.80
15	5.40	10.14	8.87	6.86	---	8.87	5.08	4.03	4.49	6.37	5.13	16.47
16	5.50	9.45	9.10	6.83	---	8.72	4.97	3.95	5.06	9.48	5.62	16.01
17	5.51	8.84	9.38	6.85	---	8.54	4.88	3.90	4.32	10.14	6.15	15.59
18	5.40	8.32	9.61	6.88	---	8.35	4.81	3.93	4.05	9.86	7.63	15.28
19	5.25	8.03	9.72	6.82	---	8.12	4.75	3.90	4.00	9.10	7.73	15.09
20	5.12	7.77	9.75	6.70	16.14	7.79	4.67	3.86	4.26	8.14	7.24	14.96
21	5.03	7.57	9.70	6.60	15.79	7.53	4.61	3.82	4.63	7.27	6.92	14.79
22	4.94	7.46	9.54	6.51	15.31	7.29	4.54	3.79	6.03	6.70	7.06	14.49
23	4.85	7.35	9.28	6.43	14.82	7.10	4.49	3.75	6.15	6.40	6.94	14.04
24	4.77	7.27	8.91	6.37	14.41	6.93	4.42	3.71	6.08	6.18	6.78	13.49
25	4.70	7.20	8.49	6.29	13.97	6.77	4.34	3.69	6.16	6.00	7.00	12.85
26	4.69	7.12	8.11	6.45	13.72	6.60	4.29	3.65	5.97	5.94	6.94	12.14
27	5.11	7.08	7.81	7.11	13.51	6.43	4.39	3.63	7.17	5.57	6.38	13.79
28	5.81	7.11	7.59	7.59	13.40	6.27	4.19	3.61	6.96	5.34	5.93	15.04
29	8.08	7.12	7.42	8.58	13.34	6.10	4.14	3.59	6.37	5.21	5.64	15.85
30	9.56	7.06	7.30	9.56	---	5.98	5.00	3.58	6.36	5.15	5.60	17.11
31	10.78	---	7.17	10.53	---	5.88	---	3.56	---	5.08	5.54	---
MEAN	5.60	9.94	7.97	7.08	---	9.20	4.99	4.06	4.67	6.90	5.70	---
MAX	10.78	14.07	9.75	10.53	---	13.35	5.90	5.19	7.17	10.14	7.73	---
MIN	4.69	7.06	6.66	6.29	---	5.88	4.14	3.56	3.51	5.08	4.33	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226500 SATILLA RIVER NEAR WAYCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 299
LATITUDE 311417 LONGITUDE 0821929 NAD27 DRAINAGE AREA 1200 CONTRIBUTING DRAINAGE AREA 1200* DATUM 66.43 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.01	0.09	0.08	0.00	0.28
2	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.34	0.01	0.55	0.24	0.31
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.00	0.03	0.00
4	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.12
5	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38
6	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.04	0.00	3.40
7	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.17	0.00	2.72
8	0.07	0.01	0.00	0.00	0.00	0.00	1.41	0.00	0.01	0.03	0.00	0.00
9	0.00	0.00	0.00	0.21	0.00	0.13	0.01	0.00	0.04	0.00	0.00	0.00
10	0.00	0.00	0.55	0.00	0.04	0.00	0.00	0.00	0.69	0.30	0.31	1.96
11	0.41	0.00	0.00	0.00	0.17	0.00	0.00	0.32	0.00	0.10	0.15	0.07
12	0.38	0.00	0.00	0.00	0.28	0.00	0.00	0.15	0.00	0.11	1.14	0.32
13	0.18	0.00	0.00	0.00	0.31	0.00	0.43	0.00	0.75	0.01	0.32	2.03
14	0.00	0.00	1.74	0.00	1.16	0.00	0.00	0.00	0.41	0.00	0.04	0.05
15	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	1.19	2.53	0.25	0.02
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00
17	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	2.46	0.01
18	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.09	0.00	0.15	0.00	0.00
19	0.00	0.44	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	1.02	0.00
22	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	1.36	0.00	0.17	0.00
23	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.38	0.00	0.26	0.00
24	0.00	0.22	0.01	0.00	0.62	0.00	0.00	0.00	0.70	0.16	0.05	0.00
25	0.00	0.00	0.00	0.03	0.21	0.00	0.00	0.00	0.19	0.63	0.00	0.00
26	0.64	0.00	0.00	1.46	0.84	0.00	0.33	0.00	0.97	0.00	0.00	2.74
27	0.32	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.04	0.00	2.54
28	2.36	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.03	0.00
30	0.00	0.00	0.06	0.00	---	0.18	1.58	0.00	2.30	0.07	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.03	---	0.01	0.13	---
TOTAL	4.95	1.00	2.40	1.79	5.11	0.31	3.77	1.02	11.43	5.32	6.60	17.95

SATILLA RIVER BASIN
2004 Water Year

02227422 CROOKED CREEK TRIBUTARY NEAR BRISTOL, GA

LOCATION.—Lat 31°26'25", long 82°15'03", referenced to North American Datum (NAD) of 1927, Pierce County, Hydrologic Unit 03070202, on County Road 1903, 2.0 miles west of Brisol.

DRAINAGE AREA.—0.42 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1976 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 155.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 2.72 feet, June 25, 1991
DISCHARGE: 74.0 cfs, June 25, 1991

MAXIMUM FOR CURRENT YEAR.—
STAGE: 2.47 feet, September 6
DISCHARGE: 56.2 cfs, September 6

2004 Water Year

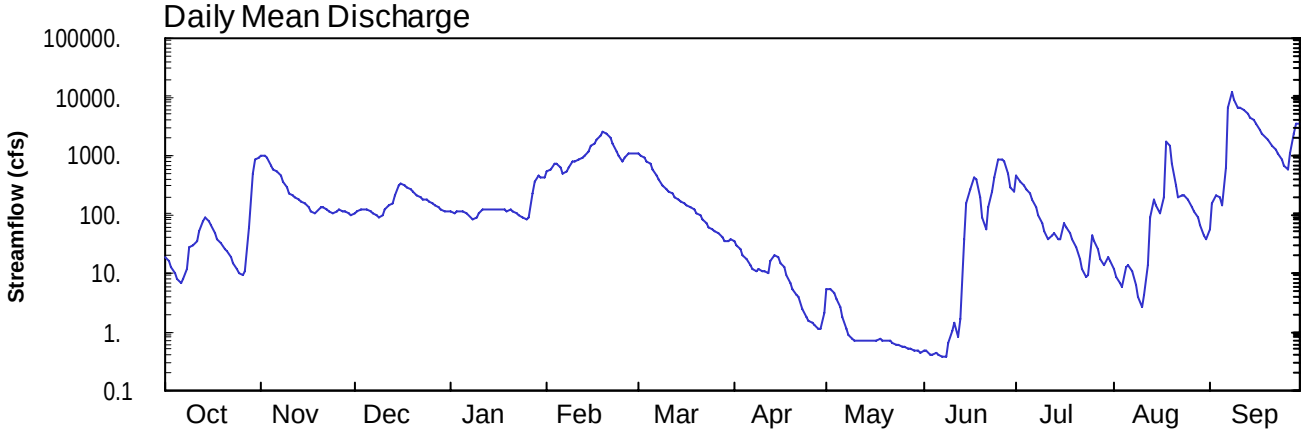
SATILLA RIVER BASIN

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA

Latitude: 31°27'04" Longitude: 082°03'17" Hydrologic Unit Code: 03070202

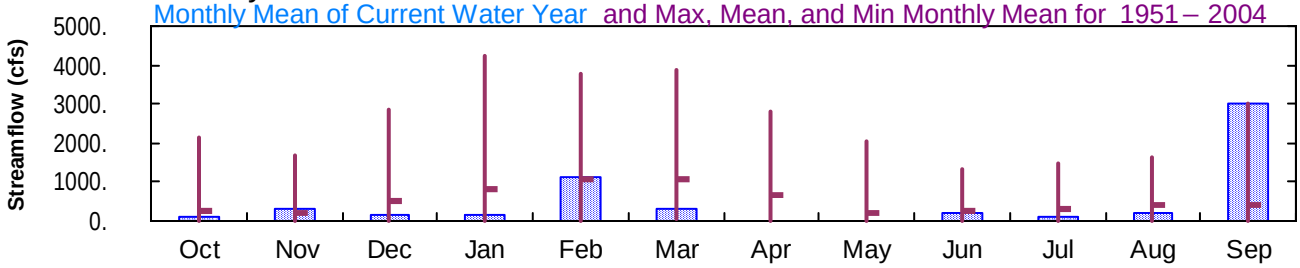
Pierce County Datum: 58.00 feet Drainage Area: 646. mi²

Daily Mean Discharge

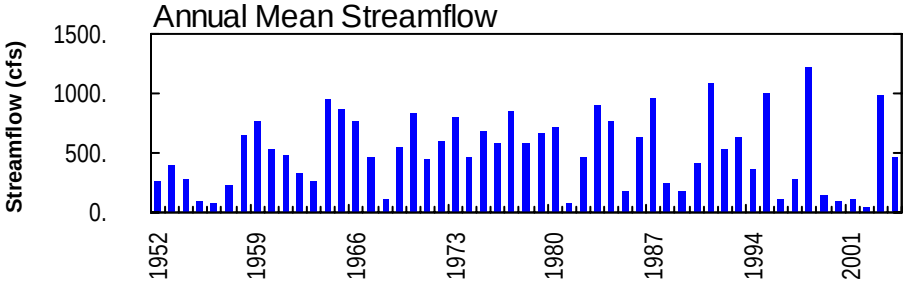


Monthly Statistics

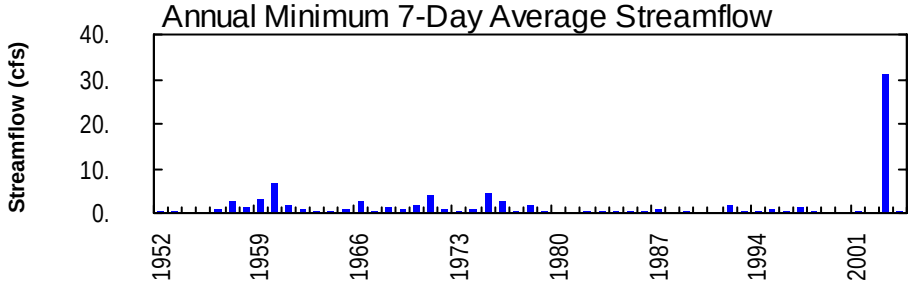
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1951 – 2004



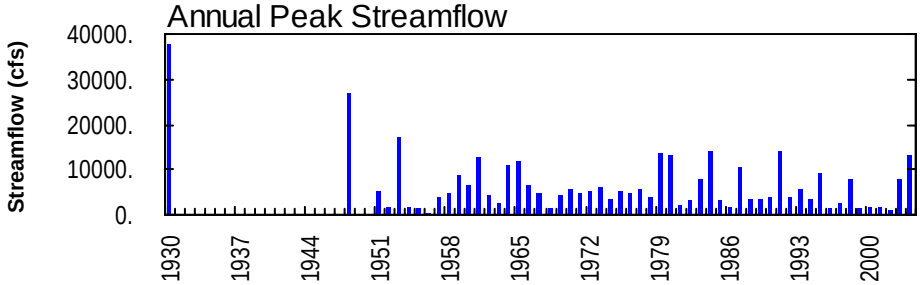
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



SATILLA RIVER BASIN
2004 Water Year

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA

LOCATION.—Lat 31°27'04", long 82°03'17", referenced to North American Datum (NAD) of 1927, Pierce-Wayne County line, Hydrologic Unit 03070202, on downstream end of right bank pier of steel truss span of Seaboard Coast Line Railroad bridge, 1,500 feet downstream from bridge on GA 38, 4.0 miles northeast of Offerman, and 16.0 miles upstream from mouth.

DRAINAGE AREA.—646 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1951 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 58.00 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 8, 1952, a water-stage recorder was installed at a site 1,500 feet upstream, and from November 8, 1952, to September 30, 1975, a water-stage recorder was located at present site at a datum 1.00 feet higher.

REMARKS.—Record good, except for discharges below 10.0 cfs, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 1,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/19	1315	2,580	9.73
08/18	1600	2,020	9.35
09/08	0745	13,200*	13.47*

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1951 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 58.00 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 8, 1952, a water-stage recorder was installed at a site 1,500 feet upstream, and from November 8, 1952, to September 30, 1975, a water-stage recorder was located at present site at a datum 1.00 feet higher.

REMARKS.—Record good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.47 feet, September 8; minimum gage-height recorded, 1.49 feet, June 6, 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 13, 2003 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Record good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 229
LATITUDE 312704 LONGITUDE 0820317 NAD27 DRAINAGE AREA 646.00* CONTRIBUTING DRAINAGE AREA DATUM 58.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	987	103	112	524	1060	34	5.5	0.47	444	12	56
2	15	1010	111	107	593	1020	30	5.4	0.46	358	8.4	155
3	12	899	118	108	713	917	26	4.6	0.42	320	6.9	208
4	10	693	118	110	752	816	21	3.6	0.42	264	5.8	191
5	8.1	575	122	111	617	706	17	2.6	0.44	231	13	139
6	6.8	531	114	103	481	586	14	1.8	0.41	186	13	609
7	7.6	452	103	92	539	472	12	1.2	0.37	133	11	6590
8	11	358	96	85	644	380	11	0.88	0.38	96	6.3	12500
9	28	278	91	86	796	314	12	0.77	0.67	72	3.8	8680
10	30	233	93	107	814	274	11	0.70	1.0	52	2.7	6510
11	34	209	117	118	825	246	10	0.68	1.5	37	4.1	6770
12	54	196	139	123	907	221	9.8	0.70	0.84	43	14	6190
13	78	182	148	124	984	197	16	0.70	1.6	46	92	4980
14	89	164	209	126	1160	176	20	0.70	37	37	176	4390
15	79	148	306	125	1430	160	18	0.70	148	37	141	4060
16	63	131	325	124	1650	150	15	0.69	275	68	101	3420
17	49	116	305	123	1910	142	12	0.73	414	62	197	2800
18	39	106	279	120	2160	131	9.4	0.74	386	46	1730	2350
19	31	109	257	116	2510	118	7.0	0.73	202	37	1520	2050
20	26	132	238	e120	2390	105	5.2	0.73	90	27	755	1800
21	23	134	213	e110	1960	94	4.3	0.73	56	17	301	1510
22	19	122	193	e103	1550	82	3.9	0.66	130	12	192	1250
23	15	113	183	93	1210	71	2.4	0.62	250	8.3	205	1050
24	12	108	173	87	982	62	1.8	0.59	414	9.6	205	863
25	10	112	161	83	817	56	1.6	0.58	848	44	184	695
26	9.1	124	149	87	895	50	1.4	0.55	881	35	136	561
27	11	113	138	220	1040	47	1.3	0.53	820	26	115	1080
28	60	109	127	367	1110	41	1.2	0.50	509	17	91	2450
29	479	103	120	461	1080	36	1.1	0.49	291	14	64	3580
30	874	97	117	433	---	36	2.2	0.46	255	19	45	3530
31	944	---	114	434	---	38	---	0.45	---	15	38	---
TOTAL	3145.6	8644	5080	4718	33043	8804	331.6	40.31	6014.98	2812.9	6389.0	91017
MEAN	101	288	164	152	1139	284	11.1	1.30	200	90.7	206	3034
MAX	944	1010	325	461	2510	1060	34	5.5	881	444	1730	12500
MIN	6.8	97	91	83	481	36	1.1	0.45	0.37	8.3	2.7	56
CFSM	0.16	0.45	0.25	0.24	1.76	0.44	0.02	0.00	0.31	0.14	0.32	4.70
IN.	0.18	0.50	0.29	0.27	1.90	0.51	0.02	0.00	0.35	0.16	0.37	5.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	236	196	487	836	1059	1084	649	223	280	301	411	398
MAX	2148	1707	2853	4219	3773	3864	2791	2031	1344	1493	1630	3034
(WY)	1995	1998	1998	1987	1986	2003	1961	1979	1959	1964	1973	2004
MIN	0.03	0.15	0.39	11.0	15.7	53.4	11.1	0.30	0.39	0.08	0.23	0.06
(WY)	1955	2002	2002	1981	1957	1955	2004	1999	2000	2000	1988	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	329906.6		170040.39			
ANNUAL MEAN	904		465		514	
HIGHEST ANNUAL MEAN					1222	1998
LOWEST ANNUAL MEAN					53.1	2002
HIGHEST DAILY MEAN	7620	Mar 23	12500	Sep 8	16800	Sep 28 1953
LOWEST DAILY MEAN	6.8	Oct 6	0.37	Jun 7	0.00	Oct 10 1954
ANNUAL SEVEN-DAY MINIMUM	10	Oct 2	0.41	Jun 2	0.00	Oct 10 1954
MAXIMUM PEAK FLOW			13200	Sep 8	17200	Sep 29 1953
MAXIMUM PEAK STAGE			13.47	Sep 8	14.50	Sep 29 1953
INSTANTANEOUS LOW FLOW			0.34	Jun 6	0.00	Oct 10 1954
ANNUAL RUNOFF (CFSM)	1.40		0.719		0.795	
ANNUAL RUNOFF (INCHES)	19.00		9.79		10.80	
10 PERCENT EXCEEDS	2720		1040		1420	
50 PERCENT EXCEEDS	315		110		134	
90 PERCENT EXCEEDS	52		1.2		1.2	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 229
LATITUDE 312704 LONGITUDE 0820317 NAD27 DRAINAGE AREA 646.00* CONTRIBUTING DRAINAGE AREA DATUM 58.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.37	8.28	3.78	3.91	7.26	8.40	2.77	1.91	1.52	6.93	2.07	3.05
2	2.27	8.31	3.89	3.85	7.47	8.34	2.70	1.91	1.52	6.45	1.94	4.39
3	2.18	8.13	3.99	3.86	7.76	8.16	2.59	1.87	1.51	6.17	1.88	5.05
4	2.10	7.72	4.00	3.88	7.85	7.97	2.47	1.81	1.51	5.68	1.82	4.83
5	2.03	7.42	4.05	3.89	7.54	7.75	2.35	1.74	1.51	5.30	2.10	4.19
6	1.97	7.27	3.93	3.79	7.10	7.45	2.26	1.68	1.51	4.78	2.13	6.99
7	2.02	6.96	3.79	3.64	7.31	7.06	2.19	1.63	1.50	4.11	2.03	11.24
8	2.17	6.43	3.69	3.56	7.61	6.61	2.15	1.59	1.50	3.61	1.85	13.26
9	2.66	5.79	3.63	3.57	7.93	6.16	2.18	1.57	1.55	3.28	1.71	12.09
10	2.72	5.30	3.66	3.84	7.97	5.83	2.16	1.56	1.60	2.99	1.64	11.35
11	2.79	5.04	3.98	3.99	7.99	5.52	2.14	1.56	1.65	2.73	1.72	11.45
12	3.10	4.90	4.26	4.05	8.15	5.24	2.11	1.56	1.59	2.84	2.14	11.24
13	3.42	4.73	4.36	4.06	8.27	4.97	2.30	1.56	1.65	2.89	3.55	10.79
14	3.54	4.52	5.09	4.09	8.53	4.71	2.45	1.56	2.64	2.74	4.66	10.55
15	3.43	4.33	6.09	4.08	8.83	4.52	2.40	1.56	4.34	2.71	4.21	10.43
16	3.24	4.13	6.24	4.06	9.04	4.39	2.29	1.56	5.77	3.23	3.68	10.16
17	3.05	3.96	6.09	4.05	9.26	4.29	2.20	1.57	6.77	3.14	4.49	9.86
18	2.89	3.82	5.88	4.02	9.45	4.15	2.09	1.57	6.60	2.90	9.08	9.58
19	2.75	3.86	5.65	3.97	9.68	3.99	1.99	1.57	4.95	2.72	8.91	9.38
20	2.63	4.17	5.42	---	9.61	3.82	1.90	1.57	3.53	2.53	7.79	9.17
21	2.54	4.19	5.14	---	9.30	3.67	1.85	1.57	3.05	2.26	5.95	8.91
22	2.42	4.05	4.92	---	8.95	3.51	1.83	1.56	4.07	2.07	4.85	8.64
23	2.28	3.92	4.80	3.65	8.59	3.36	1.73	1.55	5.48	1.94	5.01	8.38
24	2.19	3.85	4.69	3.57	8.27	3.24	1.68	1.54	6.76	1.96	5.01	8.06
25	2.12	3.90	4.54	3.52	7.98	3.15	1.66	1.54	8.03	2.86	4.76	7.73
26	2.08	4.06	4.38	3.58	8.12	3.06	1.65	1.54	8.10	2.70	4.14	7.37
27	2.16	3.92	4.24	5.22	8.37	3.00	1.64	1.53	7.98	2.49	3.87	8.32
28	2.99	3.87	4.11	6.51	8.47	2.90	1.63	1.53	7.16	2.26	3.55	9.62
29	6.90	3.79	4.02	7.02	8.43	2.80	1.62	1.52	5.90	2.15	3.18	10.23
30	8.08	3.71	3.97	6.90	---	2.81	1.71	1.52	5.57	2.30	2.88	10.21
31	8.21	---	3.94	6.91	---	2.85	---	1.51	---	2.20	2.75	---
MEAN	3.07	5.14	4.52	---	8.31	4.96	2.09	1.61	3.89	3.32	3.72	8.88
MAX	8.21	8.31	6.24	---	9.68	8.40	2.77	1.91	8.10	6.93	9.08	13.26
MIN	1.97	3.71	3.63	---	7.10	2.80	1.62	1.51	1.50	1.94	1.64	3.05

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 229
LATITUDE 312704 LONGITUDE 0820317 NAD27 DRAINAGE AREA 646.00* CONTRIBUTING DRAINAGE AREA DATUM 58.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.00	0.40	0.00	0.00	0.00	0.03	0.06	0.00	0.36
2	---	---	---	0.00	0.11	0.00	0.00	0.05	0.00	0.54	0.02	0.58
3	---	---	---	0.00	0.00	0.00	0.00	0.09	0.00	0.02	0.09	0.00
4	---	---	---	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.49	0.16
5	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.21
6	---	---	---	0.01	0.78	0.00	0.00	0.00	0.00	0.00	0.00	3.97
7	---	---	---	0.00	0.00	0.00	0.00	0.00	0.03	0.17	0.00	3.67
8	---	---	---	0.02	0.00	0.00	0.16	0.00	0.01	0.00	0.00	0.19
9	---	---	---	0.25	0.00	0.05	0.00	0.00	1.25	0.00	0.00	0.01
10	---	---	---	0.01	0.01	0.00	0.00	0.00	1.39	0.00	0.02	2.15
11	---	---	---	0.00	0.11	0.00	0.00	0.02	0.00	0.36	0.31	0.01
12	---	---	---	0.00	0.27	0.00	0.00	0.00	0.08	0.01	1.01	0.39
13	---	---	0.00	0.00	0.22	0.00	0.85	0.00	1.08	0.00	0.39	0.65
14	---	---	1.29	0.00	1.06	0.00	0.00	0.00	1.34	0.00	0.05	0.00
15	---	---	0.01	0.00	0.02	0.00	0.00	0.00	0.75	1.08	0.01	0.02
16	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
17	---	---	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	1.90	0.00
18	---	---	0.00	0.04	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
19	---	---	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	---	---	0.00	---	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
21	---	---	0.00	---	0.00	0.00	0.00	0.00	1.32	0.00	0.95	0.00
22	---	---	0.00	---	0.00	0.00	0.00	0.00	0.15	0.00	1.29	0.00
23	---	---	0.00	0.00	0.20	0.00	0.00	0.00	0.90	0.00	0.01	0.00
24	---	---	0.00	0.00	0.15	0.00	0.00	0.00	1.47	0.89	0.47	0.00
25	---	---	0.00	0.03	0.26	0.00	0.00	0.00	0.20	0.69	0.00	0.00
26	---	---	0.00	1.39	0.63	0.00	0.02	0.00	0.39	0.00	0.00	1.05
27	---	---	0.00	0.00	0.00	0.00	0.01	0.00	0.10	0.00	0.00	2.42
28	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
29	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.06	0.00	0.00
30	---	---	0.02	0.00	---	0.12	1.02	0.00	1.78	0.00	0.00	0.00
31	---	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.54	---
TOTAL	---	---	---	---	4.27	0.17	2.06	0.16	12.61	3.90	7.56	17.86

SATILLA RIVER BASIN
2004 Water Year

02227990 SATILLA RIVER TRIBUTARY No. 2 AT ATKINSON, GA

LOCATION.—Lat 31°13'32", long 81°51'10", referenced to North American Datum (NAD) of 1927, Brantley County, Hydrologic Unit 03070201, on County Road 153, 0.3 miles north of Atkinson.

DRAINAGE AREA.—0.38 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 47.74 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 2.63 feet, August 2, 1978
DISCHARGE: 93 cfs, August 2, 1978

MAXIMUM FOR CURRENT YEAR.—
STAGE: 2.68 feet, September 7
DISCHARGE: 92.5 cfs, September 7

2004 Water Year

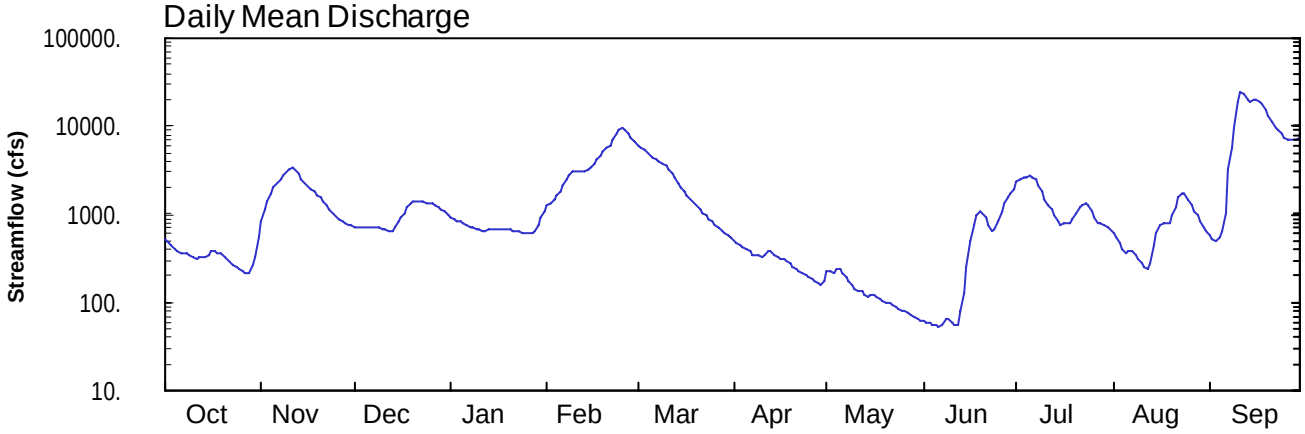
SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA

Latitude: 31°13'13" Longitude: 081°51'56" Hydrologic Unit Code: 03070201

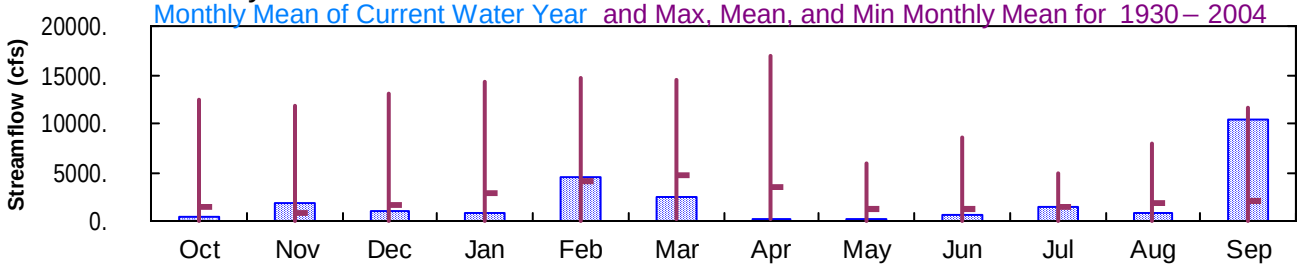
Brantley County Datum: 14.79 feet Drainage Area: 2790. mi²

Daily Mean Discharge

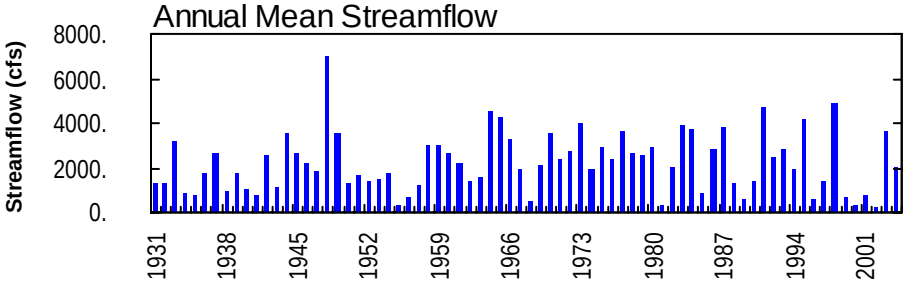


Monthly Statistics

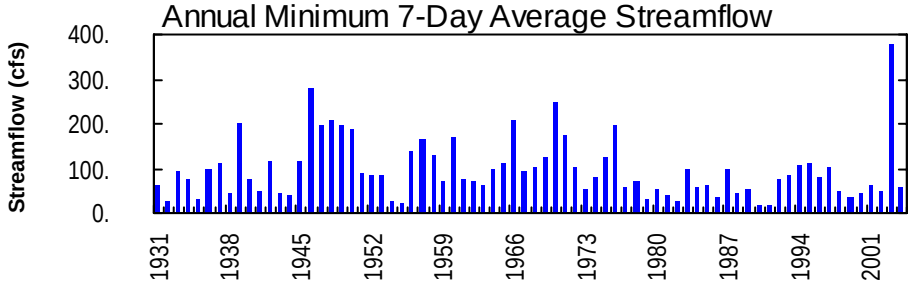
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1930 – 2004

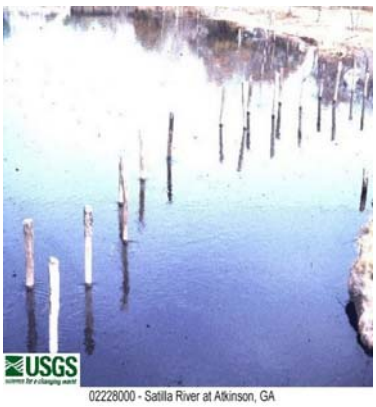


Annual Mean Streamflow

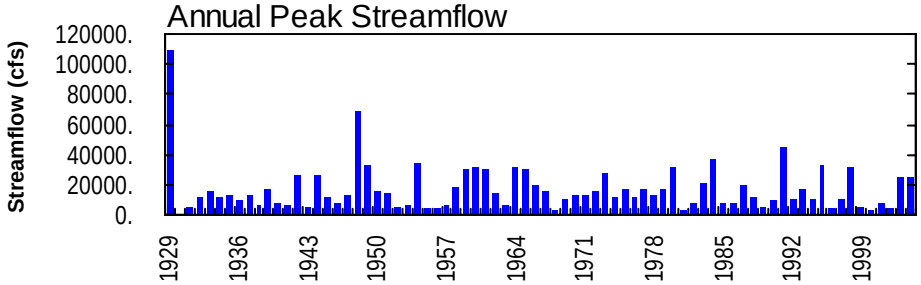


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



SATILLA RIVER BASIN
2004 Water Year

02228000 SATILLA RIVER AT ATKINSON, GA

LOCATION.—Lat 31°13'16", long 81°52'03", referenced to North American Datum (NAD) of 1927, Brantley County, Hydrologic Unit 03070201, on left bank piling 25.0 feet upstream from bridge on U.S. 82, 400.0 feet downstream from Seaboard Coast Line Railroad bridge, and 1.0 mile west of Atkinson.

DRAINAGE AREA.—2,790 square miles, approximately.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1930 to current year. Monthly discharge only for March 1930, published in WSP 1304.

REVISED RECORDS.—WSP 1504: 1932. WSP 1624: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 14.79 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to December 6, 1933, and from November 21, 1961, to September 30, 1964, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1862, 27.2 feet in September 1929, from information by Georgia Department of Transportation; discharge, 110,000 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 5,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/25	0215	9,360	14.95
09/11	2130	25,700*	18.47*

02228000 SATILLA RIVER AT ATKINSON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1930 to current year. Monthly discharge only for March 1930, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 14.79 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to December 6, 1933, and from November 21, 1961, to September 30, 1964, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.47 feet, September 11; minimum gage-height recorded, 2.79 feet, June 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 7, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02228000 SATILLA RIVER AT ATKINSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 025
LATITUDE 311313.5 LONGITUDE 0815156.99 NAD27 DRAINAGE AREA 2790.00* CONTRIBUTING DRAINAGE AREA DATUM 14.79 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	524	835	718	928	1230	6150	505	229	61	2310	617	592
2	477	1110	705	881	1350	5740	477	228	59	2490	540	522
3	437	1380	698	847	1470	5380	450	221	57	2560	479	502
4	405	1690	708	814	1610	5060	424	239	56	2640	413	554
5	380	2000	720	782	1800	4750	397	235	55	2700	364	642
6	357	2280	726	751	2080	4480	372	215	53	2640	375	1040
7	366	2520	726	723	2470	4250	352	194	55	2430	373	3150
8	361	2780	721	699	2820	4030	347	175	66	2140	344	5780
9	339	3080	708	678	3050	3770	338	157	64	1820	308	9580
10	322	3300	694	661	3120	3500	327	142	59	1500	273	18700
11	317	3340	675	649	3130	3190	349	137	55	1280	253	24100
12	320	3170	657	653	3120	2870	375	133	57	1130	243	22700
13	324	2860	653	667	3120	2550	378	123	78	989	281	19900
14	332	2510	706	678	3220	2290	351	117	127	853	444	19100
15	353	2230	818	679	3480	2040	322	120	249	762	620	19800
16	375	2030	916	674	3820	1850	316	122	495	797	753	20100
17	380	1900	1050	671	4210	1670	310	115	760	787	800	19400
18	370	1780	1220	671	4710	1490	293	108	964	806	786	17500
19	356	1680	1350	668	5230	1350	274	103	1060	894	794	15100
20	333	1540	1410	663	5700	1240	256	100	1040	1030	957	12800
21	309	1380	1420	658	6170	1140	239	96	943	1180	1220	11100
22	286	1240	1400	651	6870	1050	226	93	750	1300	1530	9870
23	264	1120	1380	640	8140	966	213	89	631	1330	1760	8950
24	248	1020	1360	625	9310	891	201	85	686	1250	1690	8170
25	235	935	1340	611	9480	820	190	82	855	1080	1440	7520
26	223	870	1320	600	9120	754	181	79	1080	905	1240	7010
27	213	822	1280	615	8310	699	175	75	1340	807	1090	7010
28	215	792	1230	643	7430	653	167	73	1550	771	955	6960
29	270	763	1160	748	6700	608	159	69	1750	753	834	6930
30	322	737	1070	915	---	571	179	67	1960	725	726	7500
31	545	---	993	1080	---	539	---	63	---	679	648	---
TOTAL	10558	53694	30532	22223	132270	76341	9143	4084	17015	43338	23150	312582
MEAN	341	1790	985	717	4561	2463	305	132	567	1398	747	10420
MAX	545	3340	1420	1080	9480	6150	505	239	1960	2700	1760	24100
MIN	213	737	653	600	1230	539	159	63	53	679	243	502
CFSM	0.12	0.64	0.35	0.26	1.63	0.88	0.11	0.05	0.20	0.50	0.27	3.73
IN.	0.14	0.72	0.41	0.30	1.76	1.02	0.12	0.05	0.23	0.58	0.31	4.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	1419	902	1672	2810	4165	4726	3510	1246	1177	1373	1923	2051
MAX	12540	11850	13130	14350	14790	14430	17000	5981	8496	4870	7917	11630
(WY)	1948	1948	1948	1987	1991	1959	1948	1979	1973	1963	1971	1949
MIN	25.9	24.9	38.6	63.2	79.6	262	172	66.7	40.2	31.0	43.6	25.4
(WY)	1955	1955	1932	1932	1932	1955	1938	1999	1935	1990	1954	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	1315376		734930			
ANNUAL MEAN	3604		2008		2234	
HIGHEST ANNUAL MEAN					7048	1948
LOWEST ANNUAL MEAN					262	2002
HIGHEST DAILY MEAN	24200	Mar 12	24100	Sep 11	67200	Apr 6 1948
LOWEST DAILY MEAN	213	Oct 27	53	Jun 6	15	Sep 26 1990
ANNUAL SEVEN-DAY MINIMUM	238	Oct 23	57	Jun 1	16	Sep 25 1990
MAXIMUM PEAK FLOW			25700	Sep 11	68100	Apr 6 1948
MAXIMUM PEAK STAGE			18.47	Sep 11	23.90	Apr 6 1948
INSTANTANEOUS LOW FLOW			51	Jun 7	15	Sep 26 1990
ANNUAL RUNOFF (CFSM)	1.29		0.720		0.801	
ANNUAL RUNOFF (INCHES)	17.54		9.80		10.88	
10 PERCENT EXCEEDS	9610		5280		6000	
50 PERCENT EXCEEDS	1970		761		833	
90 PERCENT EXCEEDS	569		152		106	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02228000 SATILLA RIVER AT ATKINSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 025
LATITUDE 311313.5 LONGITUDE 0815156.99 NAD27 DRAINAGE AREA 2790.00* CONTRIBUTING DRAINAGE AREA DATUM 14.79 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.51	6.76	6.12	6.89	7.79	13.36	5.29	4.08	2.90	10.01	5.85	5.74
2	5.31	7.63	6.06	6.73	8.09	13.13	5.16	4.08	2.88	10.30	5.51	5.43
3	5.13	8.33	6.03	6.61	8.36	12.91	5.05	4.04	2.86	10.40	5.23	5.34
4	5.00	8.95	6.08	6.49	8.66	12.69	4.93	4.14	2.84	10.49	4.92	5.57
5	4.89	9.51	6.13	6.37	9.04	12.47	4.81	4.13	2.83	10.57	4.69	5.96
6	4.79	9.98	6.15	6.25	9.55	12.28	4.70	4.02	2.81	10.50	4.74	7.35
7	4.84	10.34	6.15	6.14	10.20	12.10	4.60	3.90	2.83	10.21	4.73	10.95
8	4.82	10.66	6.13	6.03	10.67	11.92	4.58	3.79	2.95	9.74	4.59	13.12
9	4.73	11.00	6.08	5.95	10.94	11.69	4.54	3.67	2.93	9.20	4.41	14.85
10	4.66	11.24	6.01	5.87	11.03	11.43	4.49	3.58	2.88	8.59	4.23	17.21
11	4.64	11.27	5.94	5.82	11.04	11.10	4.60	3.55	2.83	8.07	4.12	18.20
12	4.67	11.08	5.86	5.84	11.03	10.73	4.73	3.52	2.85	7.67	4.07	17.96
13	4.69	10.71	5.84	5.90	11.01	10.33	4.75	3.46	3.07	7.26	4.27	17.46
14	4.74	10.25	6.06	5.95	11.13	9.92	4.62	3.41	3.48	6.80	5.07	17.31
15	4.84	9.81	6.50	5.95	11.42	9.51	4.48	3.43	4.22	6.46	5.86	17.45
16	4.94	9.47	6.85	5.93	11.73	9.16	4.46	3.45	5.38	6.60	6.43	17.50
17	4.97	9.22	7.29	5.92	12.07	8.81	4.43	3.40	6.47	6.56	6.61	17.36
18	4.93	9.00	7.74	5.92	12.44	8.45	4.36	3.34	7.18	6.63	6.55	17.00
19	4.88	8.79	8.08	5.91	12.81	8.12	4.27	3.30	7.47	6.94	6.59	16.49
20	4.78	8.51	8.23	5.88	13.10	7.84	4.18	3.27	7.43	7.38	7.16	15.94
21	4.68	8.15	8.25	5.86	13.37	7.59	4.09	3.24	7.11	7.81	7.92	15.45
22	4.58	7.81	8.21	5.83	13.73	7.33	4.02	3.20	6.44	8.12	8.64	15.03
23	4.49	7.49	8.15	5.78	14.33	7.07	3.95	3.17	5.96	8.21	9.10	14.68
24	4.41	7.19	8.10	5.72	14.82	6.82	3.89	3.14	6.19	8.00	8.96	14.35
25	4.34	6.92	8.05	5.66	14.89	6.57	3.82	3.11	6.81	7.53	8.46	14.06
26	4.28	6.69	8.00	5.61	14.75	6.33	3.78	3.08	7.52	6.98	7.98	13.81
27	4.24	6.52	7.92	5.68	14.41	6.11	3.74	3.05	8.22	6.63	7.58	13.81
28	4.25	6.41	7.78	5.80	14.01	5.92	3.69	3.02	8.68	6.50	7.15	13.78
29	4.56	6.30	7.59	6.24	13.65	5.73	3.65	2.99	9.07	6.43	6.73	13.77
30	4.78	6.20	7.36	6.84	---	5.58	3.77	2.96	9.45	6.32	6.32	14.04
31	5.71	---	7.11	7.36	---	5.43	---	2.92	---	6.12	5.99	---
MEAN	4.78	8.74	6.96	6.09	11.73	9.30	4.38	3.47	5.15	8.03	6.14	13.57
MAX	5.71	11.27	8.25	7.36	14.89	13.36	5.29	4.14	9.45	10.57	9.10	18.20
MIN	4.24	6.20	5.84	5.61	7.79	5.43	3.65	2.92	2.81	6.12	4.07	5.34

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02228000 SATILLA RIVER AT ATKINSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 025
LATITUDE 311313.5 LONGITUDE 0815156.99 NAD27 DRAINAGE AREA 2790.00* CONTRIBUTING DRAINAGE AREA DATUM 14.79 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.08	0.31	0.02	0.00	0.32
2	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.55	0.00	0.23	0.50	0.01
3	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.14	0.00	0.01	0.01	0.00
4	0.00	0.03	0.51	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.02
5	0.00	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.79
6	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	5.71
7	1.57	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.94	0.69	0.00	2.70
8	0.00	0.10	0.01	0.01	0.00	0.00	1.56	0.00	0.00	0.41	0.00	0.00
9	0.01	0.00	0.00	0.30	0.00	---	0.01	0.00	0.48	0.00	0.00	0.00
10	0.01	0.00	0.19	0.00	0.05	0.00	0.00	0.00	0.21	0.00	0.02	2.39
11	0.40	0.00	0.00	0.01	0.27	0.00	0.01	0.55	0.01	0.11	0.80	0.09
12	0.17	0.01	0.00	0.00	0.17	0.00	0.00	0.01	0.00	0.22	0.92	0.00
13	0.13	0.00	0.00	0.00	0.24	0.00	---	0.00	2.97	0.05	0.56	0.71
14	0.00	0.00	1.13	0.00	0.98	0.00	0.00	0.00	3.29	0.00	0.00	---
15	0.00	0.00	0.01	0.00	0.03	0.05	0.00	0.00	0.19	1.64	2.11	---
16	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.30	0.01	---
17	0.00	0.01	0.02	0.00	0.04	0.01	0.00	0.00	0.00	0.07	0.72	---
18	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.25	0.00	---
19	0.00	0.64	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	---
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.71	---
21	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.80	---
22	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	---
23	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.36	0.00	0.13	---
24	0.00	0.19	0.02	0.00	0.54	0.00	0.00	0.00	0.13	0.00	0.58	---
25	0.00	0.00	0.00	0.04	---	0.00	0.00	0.00	0.01	0.05	0.10	---
26	0.04	0.00	0.01	---	---	0.00	0.05	0.00	1.93	0.00	0.00	---
27	0.37	0.01	0.00	---	---	0.00	0.31	0.00	0.00	0.00	0.00	---
28	2.11	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	---
29	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.27	0.00	---
30	0.01	0.01	0.04	0.00	---	0.06	2.53	0.00	1.71	0.00	0.03	---
31	0.00	---	0.01	0.00	---	0.00	---	0.00	---	0.07	1.70	---
TOTAL	4.86	1.49	1.98	---	---	---	---	1.34	---	4.39	9.73	---

ST. MARYS RIVER BASIN
2004 Water Year

02228500 NORTH PRONG ST. MARYS RIVER AT MONIAC, GA

LOCATION.—Lat 30°31'03", long 82°13'50", referenced to North American Datum (NAD) of 1927, Iin NW ¼ Section 8, T. 1 N., R. 21 E., Baker County, FL, Hydrologic Unit 03070204, near right bank at downstream side of bridge on FL 2 and GA 94, 0.2 miles upstream from Georgia Southern & Florida Railway Bridge, 0.4 miles west of Moniac, 1.0 mile downstream from Moccasin Creek, and 122.0 miles upstream from mouth of St. Marys River.

DRAINAGE AREA.—160 square miles, approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1921 to December 1923 (published at St Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to September 1989, October 1989 to July, 1990 (discharge measurements only), August, 1990 to September 2004 (discontinued).

REVISED RECORDS.—WSP 1234: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 89.40 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 30, 1934, a non-recording gage was located at site 800 feet downstream at datum 3.22 feet higher. From October 3, 1950 to October 17, 1988, a water-stage recorder, and from October 17, 1988 to August 10, 1990, a non-recording gage was located at present site and datum.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor. This station is operated by the USGS, Florida District. For more information, please check http://fl.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02228500 NORTH PRONG ST. MARYS RIVER AT MONIAC, GA. SOURCE AGENCY USGS STATE 12 COUNTY 003
LATITUDE 303103 LONGITUDE 0821350 NAD27 DRAINAGE AREA 160.00* CONTRIBUTING DRAINAGE AREA DATUM
Date Processed: 2005-06-14 08:11 By nazarian
APPROVED
DD #1
Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	18	9.1	7.7	e9.0	52	16	5.6	0.00	32	96	337
2	6.6	17	8.5	7.5	e17	47	15	5.2	0.00	56	88	328
3	5.9	16	8.0	7.4	e21	44	14	5.0	0.00	114	81	320
4	5.4	15	7.7	7.2	e20	41	13	4.9	0.00	288	75	318
5	4.9	15	7.5	7.2	e18	38	12	3.9	0.00	294	70	379
6	4.5	19	7.3	6.9	e17	36	11	3.1	0.00	244	74	1370
7	5.6	19	7.0	6.4	e19	34	10	2.5	0.00	196	72	3100
8	16	18	6.7	5.8	e28	32	14	2.0	0.00	418	65	4180
9	17	17	6.5	5.8	e27	29	21	1.5	0.00	678	58	4260
10	16	16	6.7	6.3	e23	29	18	1.2	0.00	536	53	3600
11	17	14	8.0	6.1	e21	28	16	0.92	0.00	393	49	2880
12	33	14	7.4	6.0	e26	26	14	0.73	0.00	423	52	2370
13	39	13	7.2	5.8	25	24	15	0.60	0.26	525	81	1970
14	40	11	8.8	5.7	35	23	15	0.51	5.5	527	142	1760
15	38	10	12	5.5	61	22	13	0.35	45	432	195	1560
16	33	9.7	11	5.3	65	37	12	0.24	134	415	388	1320
17	29	9.1	10	5.1	56	49	11	0.17	126	659	487	1090
18	26	8.8	9.6	5.5	50	43	9.5	0.11	73	696	480	912
19	24	9.9	9.0	5.8	45	38	8.4	0.08	52	588	446	764
20	22	13	8.5	5.5	41	35	7.6	0.06	48	482	402	647
21	20	11	8.0	5.1	38	33	7.1	0.05	130	399	357	562
22	18	10	7.7	4.9	35	30	6.4	0.02	246	327	430	503
23	16	9.8	7.5	4.7	33	28	5.7	0.01	226	264	538	461
24	14	9.3	8.6	4.5	38	25	4.9	0.00	165	209	514	421
25	13	8.9	9.4	4.5	50	24	4.3	0.00	119	202	471	381
26	12	8.5	8.9	4.6	62	23	3.9	0.00	85	241	413	392
27	12	8.1	8.4	5.7	71	22	3.6	0.00	65	233	358	1930
28	20	8.3	7.9	6.1	65	21	3.0	0.00	51	189	303	3150
29	22	11	7.8	5.5	58	20	2.6	0.00	41	152	255	3190
30	22	9.8	7.8	e5.2	---	19	2.8	0.00	33	127	249	2810
31	20	---	8.0	e5.0	---	17	---	0.00	---	108	279	---
TOTAL	579.2	377.2	256.5	180.3	1074.0	969	309.8	38.75	1644.76	10447	7621	47265
MEAN	18.7	12.6	8.27	5.82	37.0	31.3	10.3	1.25	54.8	337	246	1576
MAX	40	19	12	7.7	71	52	21	5.6	246	696	538	4260
MIN	4.5	8.1	6.5	4.5	9.0	17	2.6	0.00	0.00	32	49	318
CFSM	0.12	0.08	0.05	0.04	0.23	0.20	0.06	0.01	0.34	2.11	1.54	9.85
IN.	0.13	0.09	0.06	0.04	0.25	0.23	0.07	0.01	0.38	2.43	1.77	10.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2004, BY WATER YEAR (WY)

MEAN	140	52.6	88.9	166	226	247	184	65.8	84.2	115	174	212
MAX	914	520	498	583	1427	1203	2238	540	775	802	726	1592
(WY)	1951	1970	1977	1986	1998	1959	1973	1964	1957	1928	1971	1928
MIN	0.00	0.00	0.13	0.19	0.21	0.40	0.20	0.20	0.04	0.00	0.01	0.02
(WY)	1955	1955	1955	1934	1934	1955	1934	2002	1954	1954	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1921 - 2004	
ANNUAL TOTAL	67864.4		70762.51			
ANNUAL MEAN	186		193		146	
HIGHEST ANNUAL MEAN					377	1973
LOWEST ANNUAL MEAN					15.8	2002
HIGHEST DAILY MEAN	1800	Mar 10	4260	Sep 9	11400	Apr 5 1973
LOWEST DAILY MEAN	4.5	Oct 6	0.00	May 24	0.00	Jun 16 1921
ANNUAL SEVEN-DAY MINIMUM	5.7	Oct 1	0.00	May 24	0.00	Jun 16 1921
MAXIMUM PEAK FLOW			4410	Sep 8	11600	Apr 5 1973
MAXIMUM PEAK STAGE			17.78	Sep 8	22.98	Apr 5 1973
ANNUAL RUNOFF (CFSM)	1.16		1.21		0.913	
ANNUAL RUNOFF (INCHES)	15.78		16.45		12.40	
10 PERCENT EXCEEDS	428		436		392	
50 PERCENT EXCEEDS	68		18		44	
90 PERCENT EXCEEDS	8.9		1.9		1.4	

e Estimated

ST MARYS RIVER BASIN
2004 Water Year

02231000 ST. MARYS RIVER NEAR MACCLENNY, FL

LOCATION.—Lat 30°21'31", long 82°04'54", referenced to North American Datum (NAD) of 1927, in NW ¼, Section 2, T. 2 S., R. 22 E., Baker County, FL, Hydrologic Unit 03070204, on right bank 200.0 feet downstream from site of former Stokes Bridge, 1.0 mile downstream from confluence of North and South Prongs, 6.0 miles northeast of Macclenny, and 100.0 miles upstream from mouth.

DRAINAGE AREA.—700 square miles, approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1926 to current year.

REVISED RECORDS.—WSP 1082: 1928(M), 1945(M). WSP 1142: 1928, 1945. WSP 1434: 1927. WSP 1905: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 40.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Mees and Mees). Prior to February 21, 1939, a non-recording gage, and from February 21, 1939 to August 15, 1948, a water-stage recorder was located at the site of a former bridge 200.00 feet upstream at same datum.

REMARKS.—Records fair. This station is operated by the USGS, Florida District. For more information, please check http://fl.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02231000 ST. MARYS RIVER NR MACCLENNY, FLA. SOURCE AGENCY USGS STATE 12 COUNTY 003
LATITUDE 302131 LONGITUDE 0820454 NAD27 DRAINAGE AREA 700.00* CONTRIBUTING DRAINAGE AREA DATUM
Date Processed: 2005-06-14 08:12 By nazarian
APPROVED
DD #2
Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	83	51	49	58	419	86	38	16	195	320	1140
2	100	78	51	48	75	354	82	40	16	237	284	1190
3	92	74	50	48	94	307	77	40	16	237	255	1150
4	85	72	50	47	90	275	73	40	18	236	237	1220
5	79	70	50	46	81	249	69	40	20	315	276	1230
6	74	71	50	47	75	228	66	38	20	338	310	2180
7	75	77	49	46	85	212	64	35	22	300	299	7840
8	105	79	48	45	123	196	62	32	24	283	269	18000
9	132	75	48	44	124	182	61	31	23	617	242	18800
10	130	71	48	45	109	171	70	29	22	1110	218	16600
11	123	68	48	45	104	163	71	28	22	1140	196	14100
12	168	66	48	45	108	157	67	27	22	938	184	11800
13	278	63	49	44	118	148	65	27	24	959	191	10100
14	294	60	51	44	130	140	61	25	40	1160	326	8660
15	271	58	53	43	217	133	61	25	107	1230	496	7550
16	229	57	56	43	289	158	59	24	248	1250	625	6660
17	190	55	57	43	268	266	56	23	364	1350	871	5820
18	164	54	55	43	232	280	54	22	323	1540	1040	5070
19	145	56	52	44	202	241	50	22	229	1650	1100	4340
20	129	60	50	46	179	209	48	21	187	1570	949	3710
21	117	65	49	46	161	185	46	21	262	1350	796	3150
22	106	64	48	44	147	167	44	20	381	1110	743	2660
23	96	60	47	42	135	151	42	20	502	904	1040	2280
24	89	57	49	41	150	139	41	19	458	749	1390	2030
25	83	55	53	40	246	129	39	19	357	655	1550	1810
26	77	53	55	40	409	120	37	18	286	583	1670	1740
27	74	52	54	58	638	114	35	17	281	554	1610	5420
28	77	51	52	84	628	107	34	17	279	513	1470	10200
29	83	51	51	73	513	102	33	16	244	457	1260	10700
30	88	51	50	62	---	96	34	16	214	408	1110	9930
31	88	---	49	56	---	91	---	16	---	363	1140	---
TOTAL	3953	1906	1571	1491	5788	5889	1687	806	5027	24301	22467	197080
MEAN	128	63.5	50.7	48.1	200	190	56.2	26.0	168	784	725	6569
MAX	294	83	57	84	638	419	86	40	502	1650	1670	18800
MIN	74	51	47	40	58	91	33	16	16	195	184	1140
MED	105	62	50	45	135	167	60	24	147	655	625	5240
CFSM	0.18	0.09	0.07	0.07	0.29	0.27	0.08	0.04	0.24	1.12	1.04	9.38
IN.	0.21	0.10	0.08	0.08	0.31	0.31	0.09	0.04	0.27	1.29	1.19	10.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

MEAN	785	266	367	598	844	986	727	303	350	575	900	1058
MAX	6240	4155	2470	2404	5940	5119	6564	3303	2642	2183	3296	6569
(WY)	1948	1948	1948	1942	1998	2003	1973	1964	1957	1928	1945	2004
MIN	22.7	15.9	18.0	21.7	20.2	44.7	25.7	20.4	18.8	31.3	24.9	21.4
(WY)	1932	1932	1932	1932	1934	1932	1935	1932	1935	1954	1954	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004	
ANNUAL TOTAL	323843		271966			
ANNUAL MEAN	887		743		646	
HIGHEST ANNUAL MEAN					2285	1948
LOWEST ANNUAL MEAN					90.1	1955
HIGHEST DAILY MEAN	10700	Mar 10	18800	Sep 9	27600	Sep 25 1947
LOWEST DAILY MEAN	47	Dec 23	16	May 29	9.6	Jun 17 2002
ANNUAL SEVEN-DAY MINIMUM	48	Dec 7	16	May 28	11	Jun 13 2002
MAXIMUM PEAK FLOW			19600	Sep 8	28100	Sep 25 1947
MAXIMUM PEAK STAGE			21.06	Sep 8	23.25	Sep 13 1964
INSTANTANEOUS LOW FLOW			15	Jun 2	9.5	Jun 17 2002
ANNUAL RUNOFF (CFSM)	1.27		1.06		0.922	
ANNUAL RUNOFF (INCHES)	17.21		14.45		12.53	
10 PERCENT EXCEEDS	1830		1250		1600	
50 PERCENT EXCEEDS	353		88		216	
90 PERCENT EXCEEDS	55		32		37	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02231000 ST. MARYS RIVER NR MACCLENNY, FLA. SOURCE AGENCY USGS STATE 12 COUNTY 003
LATITUDE 302131 LONGITUDE 0820454 NAD27 DRAINAGE AREA 700.00* CONTRIBUTING DRAINAGE AREA DATUM
Date Processed: 2005-06-14 08:14 By nazarian
APPROVED
DD #3
Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.59	2.25	1.83	1.79	1.91	4.93	2.14	1.44	1.01	3.18	4.30	8.06
2	2.46	2.19	1.83	1.78	2.14	4.54	2.08	1.46	1.00	3.59	4.03	8.20
3	2.36	2.14	1.81	1.77	2.39	4.21	2.02	1.46	1.00	3.59	3.80	8.08
4	2.28	2.11	1.80	1.77	2.34	3.96	1.97	1.46	1.04	3.58	3.65	8.31
5	2.21	2.08	1.80	1.75	2.23	3.76	1.92	1.45	1.08	4.25	3.97	8.34
6	2.14	2.09	1.81	1.76	2.15	3.57	1.88	1.42	1.08	4.44	4.24	10.91
7	2.15	2.17	1.79	1.75	2.28	3.43	1.85	1.37	1.11	4.13	4.15	16.30
8	2.50	2.20	1.78	1.73	2.71	3.29	1.82	1.34	1.15	3.99	3.92	20.63
9	2.81	2.15	1.77	1.72	2.72	3.15	1.82	1.31	1.13	5.90	3.70	20.87
10	2.78	2.10	1.78	1.73	2.56	3.05	1.93	1.27	1.12	7.93	3.49	20.27
11	2.72	2.06	1.78	1.73	2.50	2.97	1.95	1.25	1.12	8.03	3.28	19.50
12	3.16	2.03	1.78	1.72	2.55	2.90	1.89	1.25	1.12	7.31	3.17	18.62
13	4.13	1.99	1.80	1.72	2.65	2.82	1.86	1.23	1.15	7.39	3.23	17.85
14	4.25	1.95	1.83	1.71	2.79	2.74	1.80	1.21	1.41	8.09	4.31	17.11
15	4.07	1.92	1.85	1.70	3.57	2.67	1.80	1.19	2.26	8.34	5.36	16.47
16	3.73	1.91	1.90	1.70	4.12	2.92	1.77	1.18	3.67	8.42	5.99	15.91
17	3.38	1.89	1.90	1.70	3.97	3.89	1.73	1.16	4.60	8.73	7.05	15.33
18	3.13	1.86	1.87	1.71	3.70	4.00	1.69	1.15	4.31	9.32	7.70	14.75
19	2.94	1.89	1.84	1.72	3.45	3.69	1.64	1.14	3.51	9.65	7.89	14.12
20	2.77	1.95	1.81	1.74	3.26	3.40	1.60	1.13	3.09	9.39	7.35	13.44
21	2.64	2.02	1.79	1.74	3.10	3.18	1.57	1.12	3.80	8.75	6.75	12.73
22	2.53	2.00	1.77	1.71	2.96	3.01	1.54	1.10	4.70	7.94	6.53	12.04
23	2.42	1.95	1.77	1.68	2.84	2.85	1.51	1.09	5.39	7.18	7.68	11.35
24	2.33	1.91	1.79	1.66	2.98	2.73	1.49	1.08	5.16	6.55	8.87	10.69
25	2.25	1.88	1.85	1.66	3.79	2.62	1.46	1.08	4.55	6.14	9.36	10.08
26	2.18	1.86	1.88	1.66	4.85	2.54	1.42	1.06	4.02	5.80	9.68	9.89
27	2.14	1.84	1.87	1.91	6.06	2.46	1.39	1.04	3.98	5.66	9.53	14.66
28	2.18	1.83	1.84	2.26	6.01	2.39	1.38	1.03	3.95	5.45	9.11	17.89
29	2.25	1.82	1.83	2.13	5.44	2.33	1.36	1.02	3.65	5.15	8.43	18.17
30	2.31	1.82	1.81	1.98	---	2.26	1.37	1.02	3.37	4.87	7.95	17.77
31	2.31	---	1.80	1.90	---	2.20	---	1.01	---	4.60	8.05	---
MEAN	2.71	2.00	1.82	1.77	3.24	3.18	1.72	1.21	2.65	6.37	6.02	14.28
MAX	4.25	2.25	1.90	2.26	6.06	4.93	2.14	1.46	5.39	9.65	9.68	20.87
MIN	2.14	1.82	1.77	1.66	1.91	2.20	1.36	1.01	1.00	3.18	3.17	8.06

SUWANNEE RIVER BASIN
2004 Water Year

02314495 SUWANNEE RIVER ABOVE FARGO, GA

LOCATION.—Lat. 30°42'27", long. 82°32'21", referenced to North American Datum (NAD) of 1927, Clinch County, Hydrologic Unit 03110201, 4.0 miles upstream from Suwannoochee Creek, and 12.0 miles downstream from Mixons Ferry damsite, 2.0 miles upstream of base gage.

DRAINAGE AREA.—1,260 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 14, 1960 to October 26, 1970, November 5, 1971 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Low flow at times affected by manipulation of water level at Mixons Ferry Dam. This gage is the auxiliary for the station 02314500 Suwannee River at Fargo. Maximum recorded stage for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 3, 2004 and is not considered the peak stage of the 2004 water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.47 feet, September 18; minimum gage-height recorded, 2.49 feet, June 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 6, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314495 SUWANNEE RIVER ABOVE FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304227 LONGITUDE 0823221 NAD83 DRAINAGE AREA 1260.00* CONTRIBUTING DRAINAGE AREA DATUM 91.90 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.95	7.39	5.93	5.50	4.93	12.24	6.85	4.50	2.60	6.76	8.08	9.21
2	5.81	7.41	5.86	5.46	5.45	12.26	6.66	4.66	2.69	6.54	7.60	9.23
3	5.69	7.39	5.79	5.42	5.62	12.25	6.48	4.56	2.70	6.40	7.25	9.62
4	5.56	7.34	5.73	5.40	5.63	12.20	6.31	4.48	2.67	6.28	7.07	9.95
5	5.45	7.28	5.69	5.38	5.64	12.13	6.14	4.37	2.62	6.21	6.83	10.17
6	5.32	7.36	5.64	5.35	5.75	12.05	5.98	4.27	2.57	6.08	6.45	10.96
7	5.25	7.54	5.56	5.29	6.75	11.95	5.84	4.17	2.52	5.92	6.12	12.79
8	5.39	7.48	5.49	5.22	7.16	11.84	5.83	4.07	2.54	6.08	5.85	14.17
9	5.44	7.38	5.43	5.19	7.11	11.74	5.83	3.96	2.70	6.20	5.61	14.89
10	5.41	7.23	5.40	5.22	7.13	11.64	5.76	3.85	2.90	6.09	5.43	15.43
11	5.43	7.06	5.40	5.24	7.28	11.50	5.65	3.78	3.06	6.00	5.34	16.26
12	5.67	6.92	5.34	5.20	7.49	11.36	5.56	3.75	3.24	6.19	5.54	16.99
13	5.88	6.81	5.27	5.16	7.73	11.19	5.57	3.68	3.48	6.61	6.17	17.47
14	6.06	6.70	5.43	5.12	8.38	11.01	5.60	3.59	3.67	6.61	6.59	17.85
15	6.12	6.58	5.85	5.09	9.26	10.81	5.52	3.50	3.91	6.60	6.62	18.10
16	6.07	6.49	5.89	5.06	9.61	10.67	5.44	3.42	4.17	7.09	6.59	18.28
17	6.01	6.41	5.88	5.02	9.88	10.49	5.38	3.36	4.41	7.71	6.69	18.42
18	5.93	6.33	5.88	5.01	10.13	10.31	5.31	3.29	4.55	8.22	7.17	18.47
19	5.84	6.32	5.87	5.04	10.34	10.12	5.22	3.23	4.66	8.74	7.53	18.46
20	5.72	6.41	5.85	5.01	10.49	9.90	5.12	3.17	4.71	9.13	7.79	18.43
21	5.60	6.37	5.82	4.95	10.58	9.68	5.01	3.12	4.98	9.44	7.92	18.40
22	5.49	6.28	5.78	4.90	10.63	9.42	4.91	3.06	5.49	9.67	8.21	18.32
23	5.36	6.22	5.75	4.86	10.64	9.14	4.79	3.00	5.95	9.83	8.79	18.20
24	5.24	6.18	5.74	4.81	10.73	8.82	4.68	2.94	6.15	9.90	9.37	18.03
25	5.14	6.17	5.74	4.77	10.88	8.49	4.57	2.89	6.14	9.88	9.66	17.84
26	5.08	6.10	5.69	4.75	11.25	8.19	4.46	2.83	6.10	9.69	9.79	17.73
27	5.25	6.03	5.64	4.80	11.64	7.91	4.38	2.77	6.62	9.50	9.78	18.65
28	5.72	5.99	5.59	4.81	11.96	7.67	4.28	2.71	7.26	9.38	9.69	19.19
29	7.19	6.06	5.56	4.76	12.15	7.44	4.18	2.66	7.20	9.19	9.55	19.55
30	7.49	6.02	5.54	4.74	---	7.22	4.18	2.61	7.00	8.90	9.48	19.79
31	7.40	---	5.53	4.74	---	7.03	---	2.57	---	8.52	9.36	---
MEAN	5.77	6.71	5.66	5.07	8.70	10.28	5.38	3.51	4.31	7.72	7.55	16.03
MAX	7.49	7.54	5.93	5.50	12.15	12.26	6.85	4.66	7.26	9.90	9.79	19.79
MIN	5.08	5.99	5.27	4.74	4.93	7.03	4.18	2.57	2.52	5.92	5.34	9.21

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314495 SUWANNEE RIVER ABOVE FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304227 LONGITUDE 0823221 NAD83 DRAINAGE AREA 1260.00* CONTRIBUTING DRAINAGE AREA DATUM 91.90 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.32	0.03	0.03	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.36
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.08	0.87	0.00	0.00
4	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.27	0.00	0.00
5	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66
6	0.01	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.02	0.00	0.00	5.32
7	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.84	0.00	2.18
8	0.01	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.55	0.46	0.00	0.00
9	0.00	0.00	0.00	0.10	0.00	0.20	0.00	0.00	1.00	0.01	0.00	0.00
10	0.00	0.00	0.14	0.01	0.09	0.00	0.00	0.00	0.01	0.00	0.50	0.94
11	0.60	0.00	0.00	0.00	0.21	0.00	0.00	0.85	0.01	2.29	0.39	0.01
12	0.13	0.00	0.00	0.00	0.09	0.00	0.00	0.01	0.11	1.51	0.80	0.10
13	0.10	0.00	0.00	0.00	0.38	0.00	0.31	0.00	0.04	0.01	0.46	1.25
14	0.01	0.00	0.78	0.00	0.78	0.00	0.00	0.00	0.04	0.00	0.00	0.01
15	0.00	0.00	0.00	0.00	0.04	0.12	0.00	0.00	1.59	1.67	0.01	0.00
16	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.01	0.02	0.01	0.00
17	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.01	0.04	2.14	0.58
18	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.33	0.18	0.00
19	0.00	0.52	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.27	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.03	0.46	0.00
23	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.07	0.00	1.85	0.00
24	0.00	0.15	0.07	0.00	0.53	0.00	0.00	0.00	0.15	0.57	0.00	0.00
25	0.00	0.00	0.01	0.00	0.75	0.00	0.00	0.00	0.01	0.01	0.00	0.00
26	0.74	0.00	0.00	0.11	0.42	0.00	0.07	0.01	0.36	0.03	0.05	6.93
27	0.68	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.03	0.08	0.00	1.17
28	1.21	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
29	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00
30	0.00	0.00	0.08	0.00	---	0.01	0.98	0.00	0.00	0.03	0.02	0.02
31	0.00	---	0.00	0.00	---	0.00	---	0.06	---	0.00	0.00	---
TOTAL	3.57	1.20	1.10	0.43	5.97	0.74	2.46	1.29	4.59	9.11	7.50	20.53

2004 Water Year

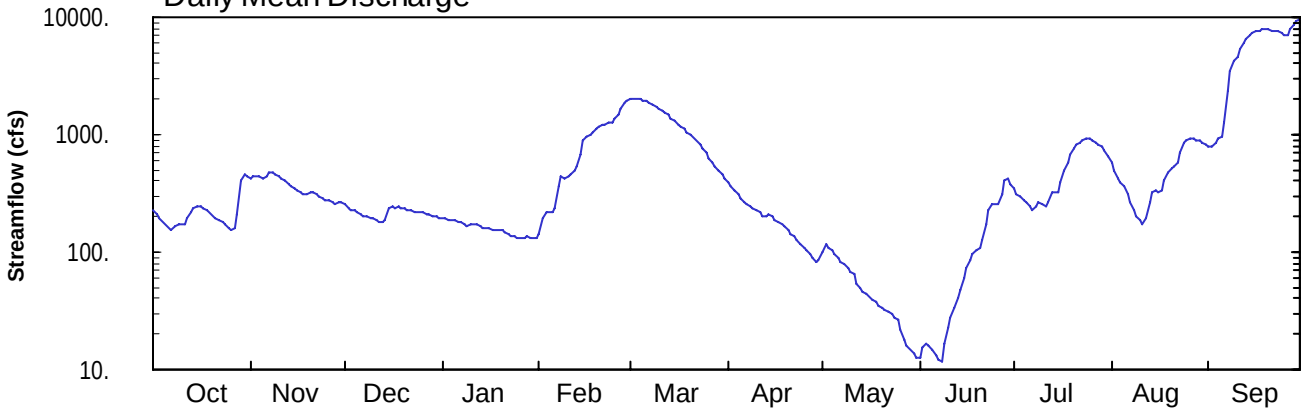
SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT US 441, AT FARGO, GA

Latitude: 30°40'50" Longitude: 082°33'38" Hydrologic Unit Code: 03110201

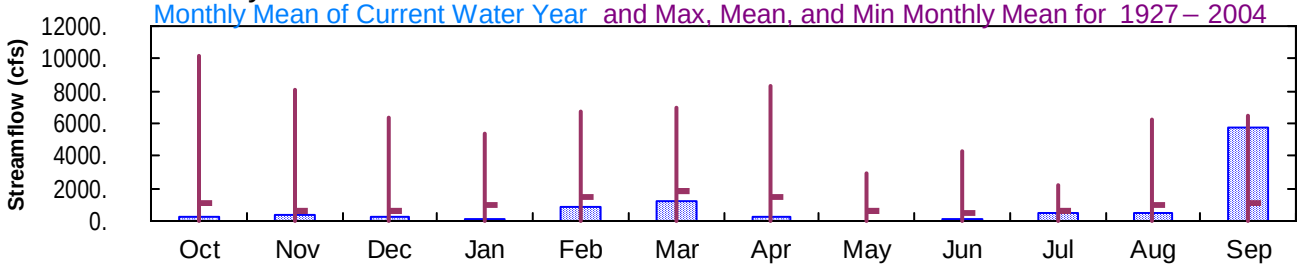
Clinch County Datum: 91.90 feet Drainage Area: 1260. mi²

Daily Mean Discharge

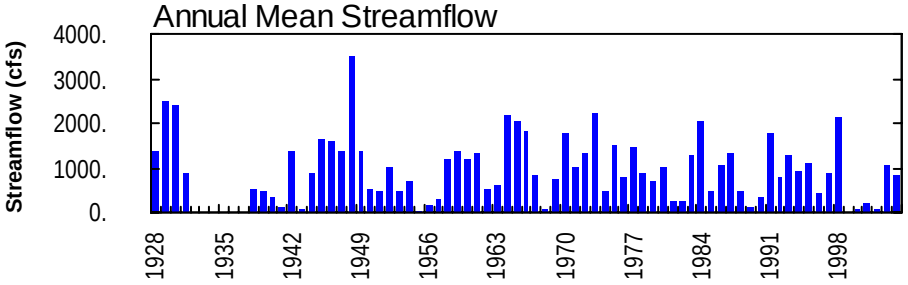


Monthly Statistics

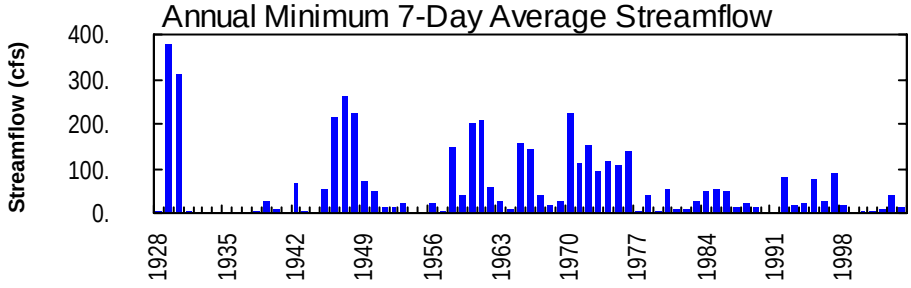
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1927 – 2004



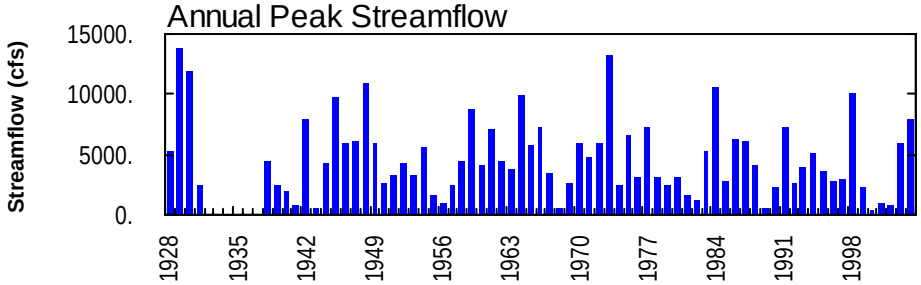
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02314500 SUWANNEE RIVER AT US 441, AT FARGO, GA

LOCATION.—Lat 30°40'50", long 82°33'38", referenced to North American Datum (NAD) of 1983, Clinch County, Hydrologic Unit, 03110201, on downstream side of right bank pier of bridge on US 441 at Fargo, 4.0 miles upstream from Suwannoochee Creek, and 12.0 miles downstream from Mixons Ferry dam site.

DRAINAGE AREA.—1,260 square miles, approximately, includes part of watershed in Okefenokee Swamp, which is indeterminate.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1921 to September 1923 (gage-heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for April 1937, published in WSP 1304.

REVISED RECORDS.—WSP 1234: Drainage area. WSP 1504: 1928-30.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 27, 1921 to September 30, 1923, a non-recording gage was located at site 1,200 feet upstream at datum 3.00 feet higher. From January 27, 1927 to December 31, 1931 and from April 20, 1937 to June 10, 1938, a non-recording gage was located at site 1,000 feet upstream at datum 1.00 feet higher. From June 11, 1938 to November 26, 1952, a non-recording gage was located at site 1,000 feet upstream at present datum. From October 14, 1960 to October 29, 1970, an auxiliary water-stage recorder was located at a site about 3.0 miles upstream, and since November 5, 1971, an auxiliary water-stage recorder was located at a site about 2.0 miles upstream.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Low flow at times affected by manipulation of water level at Mixons Ferry Dam. Maximum recorded discharge for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 3, 2004 and is not considered the peak discharge of the 2004 water year.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/18	1815	7,840*	16.97*

No other peaks above base discharge

02314500 SUWANNEE RIVER AT US 441, AT FARGO, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1921 to September 1923 (gage-heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for April 1937, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 27, 1921 to September 30, 1923, a non-recording gage was located at site 1,200 feet upstream at datum 3.00 feet higher. From January 27, 1927 to December 31, 1931 and from April 20, 1937 to June 10, 1938, a non-recording gage was located at site 1,000 feet upstream at datum 1.00 feet higher. From June 11, 1938 to November 26, 1952, a non-recording gage was located at site 1,000 feet upstream at present datum. From October 14, 1960 to October 29, 1970, an auxiliary water-stage recorder was located at a site about 3.0 miles upstream, and since November 5, 1971, an auxiliary water-stage recorder was located at a site about 2.0 miles upstream.

REMARKS.—Records good. Maximum recorded stage for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 3, 2004 and is not considered the peak stage of the 2004 water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.97 feet, September 18; minimum gage-height recorded, 0.90 feet, June 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 21, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314500 SUWANNEE RIVER AT US 441, AT FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260 CONTRIBUTING DRAINAGE AREA 1260* DATUM 91.90 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	432	250	194	143	2020	392	101	13	347	571	794
2	209	434	239	190	191	2040	362	116	15	315	488	790
3	195	436	230	187	215	2030	334	109	16	295	426	864
4	182	433	224	185	217	2010	310	103	16	277	396	923
5	172	429	220	185	219	1970	287	96	15	266	362	976
6	162	446	213	182	233	1920	268	89	13	250	309	1260
7	156	482	206	178	369	1860	251	83	12	231	263	2340
8	166	481	200	172	437	1800	242	78	12	245	230	3490
9	172	466	194	169	432	1740	235	73	17	264	202	4170
10	170	444	191	171	436	1680	227	69	22	252	184	4620
11	172	419	189	173	460	1610	214	64	27	242	176	5330
12	192	401	182	170	499	1540	203	54	33	262	194	6040
13	216	382	178	166	543	1470	203	50	41	321	269	6580
14	237	363	189	162	677	1390	206	47	48	325	329	7020
15	245	345	233	160	880	1290	198	44	60	323	335	7350
16	241	331	241	157	961	1230	189	40	73	388	327	7580
17	234	318	236	154	1010	1160	180	38	87	487	339	7750
18	226	309	242	153	1060	1110	173	37	96	571	410	7810
19	216	315	237	155	1120	1050	164	35	104	669	469	7800
20	204	e320	233	152	1170	1000	154	34	109	747	515	7760
21	197	e317	229	147	1210	950	144	32	128	813	540	7720
22	187	e307	225	143	1240	890	136	31	175	869	583	7630
23	182	e293	222	139	1250	826	127	29	228	905	699	7500
24	171	e282	221	136	1290	762	118	27	259	923	842	7330
25	162	e276	221	133	1340	695	110	27	258	925	892	7130
26	155	273	216	131	1490	634	103	22	252	881	922	7010
27	161	266	211	133	1670	581	96	18	311	857	921	7970
28	207	259	206	135	1850	534	90	16	415	829	906	8720
29	401	264	202	131	1970	490	84	15	e430	794	880	9210
30	451	263	200	129	---	455	85	13	e380	735	852	9480
31	437	---	197	129	---	422	---	12	---	654	827	---
TOTAL	6702	10786	6677	4901	24582	39159	5885	1602	3665	16262	15658	170947
MEAN	216	360	215	158	848	1263	196	51.7	122	525	505	5698
MAX	451	482	250	194	1970	2040	392	116	430	925	922	9480
MIN	155	259	178	129	143	422	84	12	12	231	176	790
CFSM	0.17	0.29	0.17	0.13	0.67	1.00	0.16	0.04	0.10	0.42	0.40	4.52
IN.	0.20	0.32	0.20	0.14	0.73	1.16	0.17	0.05	0.11	0.48	0.46	5.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

MEAN	1056	572	650	1037	1467	1853	1513	626	473	621	1038	1052
MAX	10150	8066	6426	5345	6771	6933	8330	2952	4258	2180	6278	6471
(WY)	1929	1948	1977	1942	1998	1998	1973	1928	1973	1946	1945	1964
MIN	0.12	0.13	0.24	3.04	4.28	6.10	12.7	7.13	4.33	1.82	0.20	0.43
(WY)	1955	1932	1955	1955	1957	1955	1955	1955	1955	1954	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004	
ANNUAL TOTAL	400434		306826			
ANNUAL MEAN	1097		838		1004	
HIGHEST ANNUAL MEAN					3512	1948
LOWEST ANNUAL MEAN					59.8	1955
HIGHEST DAILY MEAN	5710	Mar 19	9480	Sep 30	13800	Oct 1 1928
LOWEST DAILY MEAN	155	Oct 26	12	May 31	0.00	Dec 5 1931
ANNUAL SEVEN-DAY MINIMUM	167	Oct 5	14	Jun 2	0.00	Oct 28 1943
MAXIMUM PEAK FLOW			9580	Sep 30	13800	Oct 1 1928
MAXIMUM PEAK STAGE			18.57	Sep 30	21.01	Apr 9 1973
INSTANTANEOUS LOW FLOW			10	Jun 8	0.00	Dec 5 1931
ANNUAL RUNOFF (CFSM)	0.871		0.665		0.796	
ANNUAL RUNOFF (INCHES)	11.82		9.06		10.82	
10 PERCENT EXCEEDS	2230		1670		2620	
50 PERCENT EXCEEDS	577		252		423	
90 PERCENT EXCEEDS	216		68		32	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314500 SUWANNEE RIVER AT US 441, AT FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260 CONTRIBUTING DRAINAGE AREA 1260* DATUM 91.90 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.29	4.72	3.49	3.04	2.58	10.52	4.47	2.23	0.96	4.19	5.53	6.66
2	3.16	4.74	3.40	3.01	3.01	10.58	4.28	2.38	1.03	3.98	5.06	6.64
3	3.05	4.75	3.33	2.98	3.21	10.58	4.10	2.31	1.06	3.85	4.69	6.98
4	2.93	4.73	3.28	2.96	3.23	10.55	3.94	2.25	1.04	3.72	4.50	7.25
5	2.84	4.71	3.25	2.96	3.24	10.50	3.78	2.17	1.02	3.64	4.28	7.48
6	2.76	4.81	3.19	2.94	3.35	10.44	3.64	2.09	0.98	3.53	3.92	8.53
7	2.70	5.03	3.13	2.89	4.32	10.34	3.52	2.03	0.94	3.38	3.59	10.85
8	2.79	5.02	3.09	2.85	4.75	10.22	3.45	1.97	0.94	3.49	3.33	12.33
9	2.85	4.93	3.04	2.82	4.72	10.09	3.40	1.91	1.06	3.62	3.11	13.09
10	2.83	4.80	3.01	2.84	4.75	9.95	3.34	1.85	1.19	3.53	2.95	13.59
11	2.84	4.65	2.99	2.86	4.89	9.79	3.24	1.79	1.27	3.45	2.88	14.37
12	3.02	4.53	2.93	2.82	5.12	9.59	3.15	1.67	1.37	3.61	3.04	15.15
13	3.22	4.41	2.90	2.79	5.37	9.34	3.15	1.61	1.49	4.02	3.63	15.73
14	3.38	4.29	3.00	2.76	6.07	9.04	3.18	1.57	1.59	4.04	4.06	16.18
15	3.45	4.17	3.35	2.73	7.05	8.72	3.11	1.53	1.74	4.03	4.10	16.51
16	3.42	4.07	3.42	2.71	7.41	8.50	3.03	1.49	1.90	4.45	4.04	16.73
17	3.36	3.98	3.38	2.68	7.64	8.26	2.97	1.46	2.07	5.05	4.13	16.89
18	3.30	3.92	3.43	2.67	7.83	8.03	2.90	1.43	2.18	5.53	4.59	16.95
19	3.22	3.96	3.39	2.69	8.08	7.82	2.82	1.41	2.26	6.05	4.95	16.94
20	3.12	---	3.35	2.66	8.28	7.58	2.74	1.39	2.31	6.43	5.21	16.90
21	3.06	---	3.32	2.62	8.42	7.37	2.65	1.36	2.50	6.75	5.35	16.86
22	2.97	---	3.29	2.58	8.52	7.10	2.57	1.34	2.93	7.01	5.59	16.78
23	2.93	---	3.27	2.54	8.57	6.80	2.48	1.31	3.36	7.17	6.19	16.65
24	2.83	---	3.26	2.50	8.70	6.50	2.40	1.27	3.59	7.25	6.88	16.49
25	2.75	---	3.26	2.48	8.89	6.17	2.31	1.26	3.59	7.26	7.11	16.29
26	2.69	3.66	3.22	2.46	9.38	5.86	2.24	1.18	3.55	7.06	7.25	16.17
27	2.75	3.61	3.18	2.48	9.77	5.57	2.17	1.10	3.95	6.95	7.24	17.10
28	3.14	3.56	3.14	2.49	10.14	5.32	2.10	1.05	4.62	6.82	7.17	17.78
29	4.53	3.60	3.10	2.46	10.39	5.08	2.03	1.01	---	6.66	7.05	18.22
30	4.84	3.58	3.09	2.44	---	4.86	2.05	0.98	---	6.37	6.93	18.48
31	4.75	---	3.07	2.44	---	4.66	---	0.96	---	5.96	6.81	---
MEAN	3.19	---	3.21	2.71	6.47	8.25	3.04	1.59	---	5.12	5.01	14.22
MAX	4.84	---	3.49	3.04	10.39	10.58	4.47	2.38	---	7.26	7.25	18.48
MIN	2.69	---	2.90	2.44	2.58	4.66	2.03	0.96	---	3.38	2.88	6.64

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314500 SUWANNEE RIVER AT US 441, AT FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260 CONTRIBUTING DRAINAGE AREA 1260* DATUM 91.90 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	0.00	0.75	0.00	0.00	0.07	0.09	0.01	0.00	0.00
2	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.35	0.00	0.00
4	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.16	0.00	0.00
5	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.30
6	0.05	0.00	0.00	0.00	0.93	0.01	0.00	0.00	0.01	0.00	0.00	0.12
7	0.03	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	1.15	0.00	0.00
8	0.01	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.02	0.23	0.00	0.00
9	0.00	0.00	0.00	0.06	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00
10	0.00	0.00	0.10	0.00	0.13	0.01	0.00	0.00	0.00	0.00	0.01	0.94
11	0.93	0.00	0.00	0.00	0.26	0.00	0.00	2.16	0.02	2.23	0.00	0.02
12	0.25	0.00	0.00	0.00	0.13	0.00	0.01	0.01	0.01	0.48	0.00	0.23
13	0.20	0.00	0.00	0.00	0.55	0.00	0.30	0.00	0.04	0.01	0.00	0.80
14	0.01	0.00	0.75	0.00	0.91	0.00	0.00	0.00	0.01	0.00	0.00	0.01
15	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.13	1.33	2.17	0.03	0.01
16	0.00	0.01	0.00	0.00	0.00	0.40	0.00	0.00	0.02	0.19	0.00	0.00
17	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.02	0.03	0.59
18	0.00	---	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.17	0.00	0.00
19	0.00	---	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00
21	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00
22	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.01	0.00
23	0.00	---	0.00	0.00	0.39	0.00	0.00	0.00	0.42	0.00	0.01	0.00
24	0.00	---	0.10	0.00	0.56	0.00	0.00	0.00	0.17	0.01	0.01	0.00
25	0.00	---	0.00	0.00	0.74	0.00	0.00	0.00	0.01	0.00	0.00	0.00
26	0.15	---	0.00	0.05	0.24	0.00	0.01	0.00	0.50	0.02	0.00	6.41
27	0.25	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04	1.02
28	1.05	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
29	0.01	---	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.10	0.00
30	0.00	---	0.05	0.00	---	0.00	0.01	0.00	---	0.00	0.27	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.01	---	0.01	0.01	---
TOTAL	2.94	---	---	0.13	5.70	0.59	0.39	2.39	---	7.26	0.58	10.46

2004 Water Year

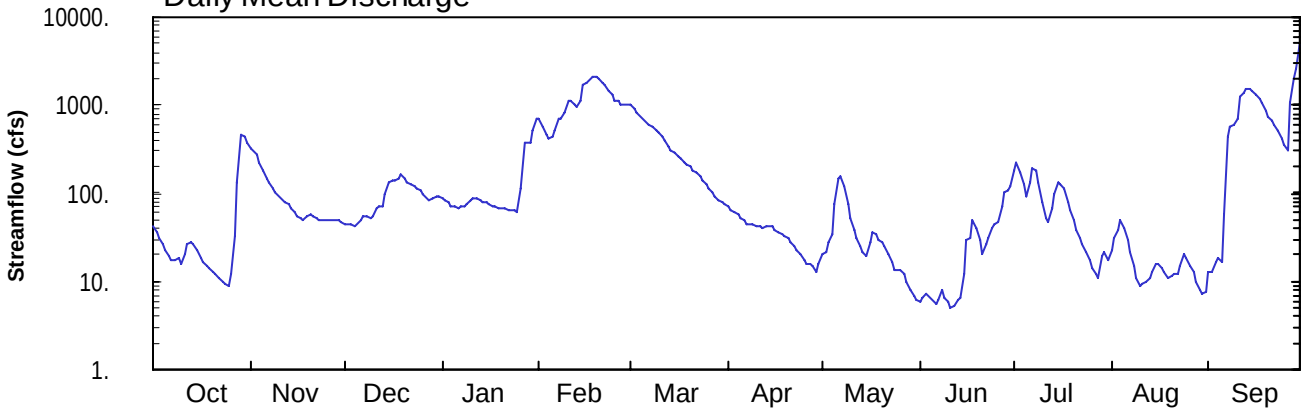
SUWANNEE RIVER BASIN

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA

Latitude: 31°23'03" Longitude: 083°11'33" Hydrologic Unit Code: 03110202

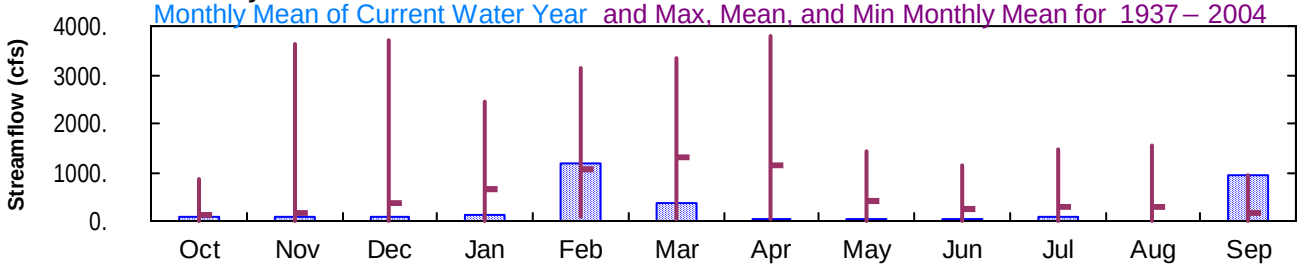
Berrien County Datum: 208.34 feet Drainage Area: 663. mi²

Daily Mean Discharge

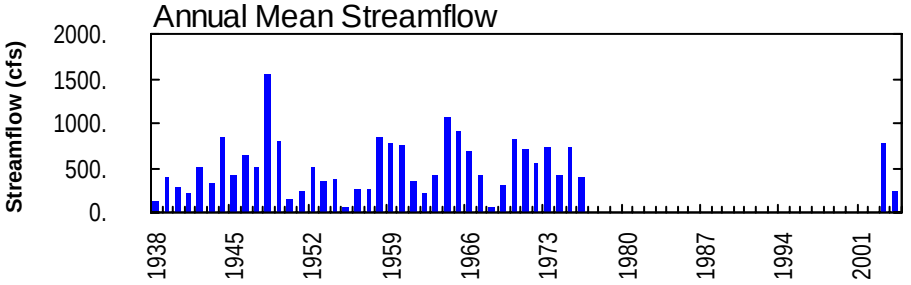


Monthly Statistics

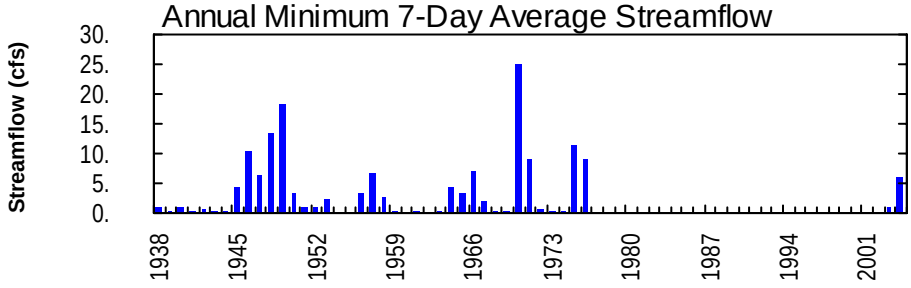
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



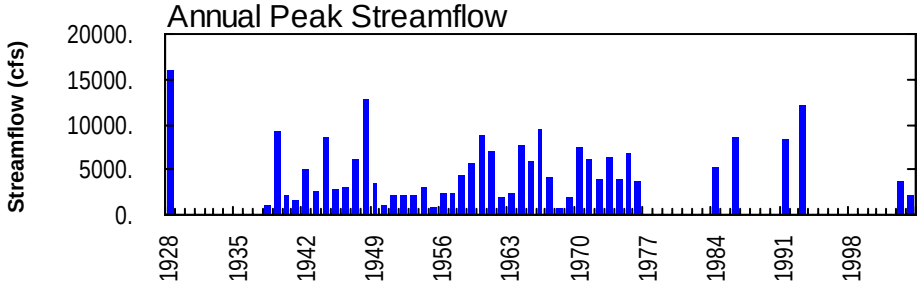
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

SUWANNEE RIVER BASIN
2004 Water Year

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA

LOCATION.—Lat 31°23'03", long 83°11'33", referenced to North American Datum (NAD) of 1927, Berrien County, Hydrologic Unit 03110202, near right bank on downstream side of bridge on GA 50, 2.0 miles east of Alapaha, and 6.0 miles upstream from the confluence with the Willacoochee River.

DRAINAGE AREA.—663 square miles.

COOPERATION.—Suwannee River Water Management District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1936 to September 1976, September 4, 2002 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.—WSP 872: 1937. WSP 1002: 1939(M). WSP 1624: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 208.34 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 8, 1943, a non-recording gage was installed, and from September 8, 1943 to September 30, 1975, a recording gage was installed at the same site at a datum that was 1.00 foot higher.

REMARKS.—Records good. Maximum recorded discharge for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 2, 2004 and is not considered the peak discharge of the 2004 water year.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1900, 19.0 feet at present datum, in April 1928, from information by Georgia Department of Transportation; discharge, 16,000 cfs.

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1936 to September 1976, September 4, 2002 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.—WSP 872: 1937. WSP 1002: 1939(M). WSP 1624: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 208.34 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 8, 1943, a non-recording gage was installed, and from September 8, 1943 to September 30, 1975, a recording gage was installed at the same site at a datum that was 1.00 foot higher.

REMARKS.—Records good. Maximum recorded stage for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 2, 2004 and is not considered the peak stage of the 2004 water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.90 feet, February 18; minimum gage-height recorded, 0.90 feet, June 11, 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02316000 ALAPAHA RIVER NEAR ALAPAHA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 019
LATITUDE 312303 LONGITUDE 0831133 NAD27 DRAINAGE AREA 663.00 CONTRIBUTING DRAINAGE AREA 663.00* DATUM 208.34 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	316	46	89	706	1000	71	20	5.9	186	23	13
2	36	311	45	83	573	930	65	22	6.6	228	30	13
3	30	278	44	78	456	834	61	28	7.2	172	39	16
4	26	223	43	73	415	755	56	35	6.9	126	49	19
5	22	179	45	70	452	693	53	77	6.1	93	40	17
6	19	150	51	69	521	645	49	149	5.5	136	29	59
7	18	131	56	70	686	607	45	159	6.3	188	21	447
8	17	116	55	71	721	564	44	118	7.8	184	15	563
9	18	103	52	76	818	521	45	74	6.6	133	11	612
10	16	94	56	84	1110	481	43	51	6.0	80	9.0	719
11	21	87	68	86	1130	437	42	38	5.1	52	9.2	1230
12	27	80	72	86	1030	389	41	30	5.3	47	10	1410
13	29	75	70	83	966	347	42	25	6.1	69	11	1520
14	26	67	96	79	1130	313	43	22	6.5	97	13	1570
15	22	61	133	78	1710	285	42	20	12	132	16	1470
16	19	56	139	76	1830	264	39	28	30	126	16	1290
17	17	52	139	72	1980	245	36	36	31	116	14	1180
18	15	49	148	70	2130	226	34	34	49	77	12	1070
19	14	54	160	69	2090	209	32	30	40	65	11	859
20	13	57	151	69	1980	198	31	28	29	49	11	723
21	12	56	136	67	1840	187	28	25	21	38	12	670
22	11	53	128	66	1680	169	25	21	27	32	12	610
23	10	51	122	65	1480	152	22	16	31	26	15	515
24	9.4	50	115	63	1290	137	20	14	41	21	21	424
25	8.7	50	105	62	1150	123	18	14	45	17	18	359
26	12	50	95	112	1100	112	16	14	46	14	15	311
27	33	50	88	383	1040	103	16	12	71	12	13	1090
28	133	51	85	377	992	94	15	9.7	104	11	10	2000
29	456	50	89	370	999	85	13	8.1	110	19	8.1	2630
30	450	47	93	512	---	78	16	7.0	123	21	7.2	5070
31	375	---	94	714	---	75	---	6.2	---	17	7.5	---
TOTAL	1957.1	3047	2819	4322	34005	11258	1103	1171.0	897.9	2584	528.0	28479
MEAN	63.1	102	90.9	139	1173	363	36.8	37.8	29.9	83.4	17.0	949
MAX	456	316	160	714	2130	1000	71	159	123	228	49	5070
MIN	8.7	47	43	62	415	75	13	6.2	5.1	11	7.2	13
CFSM	0.10	0.15	0.14	0.21	1.77	0.55	0.06	0.06	0.05	0.13	0.03	1.43
IN.	0.11	0.17	0.16	0.24	1.91	0.63	0.06	0.07	0.05	0.14	0.03	1.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	103	181	380	664	1044	1304	1162	410	235	291	299	178
MAX	851	3629	3726	2438	3128	3340	3799	1419	1129	1450	1562	954
(WY)	1954	1948	1948	1967	1965	1948	1944	1976	1959	1963	1970	1969
MIN	0.00	0.01	1.48	18.6	91.2	36.4	36.8	11.1	1.02	0.62	0.42	0.00
(WY)	1955	1955	1961	1955	1950	1955	2004	1954	1954	1954	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	249099.1		92171.0			
ANNUAL MEAN	682		252		516	
HIGHEST ANNUAL MEAN					1554	1948
LOWEST ANNUAL MEAN					71.4	1968
HIGHEST DAILY MEAN	3660	Mar 23	5070	Sep 30	12400	Apr 4 1948
LOWEST DAILY MEAN	8.7	Oct 25	5.1	Jun 11	0.00	Jul 23 1954
ANNUAL SEVEN-DAY MINIMUM	11	Oct 20	6.1	Jun 6	0.00	Sep 1 1954
MAXIMUM PEAK FLOW			5650	Sep 30	5650	Sep 30 2004
MAXIMUM PEAK STAGE			14.97	Sep 30	14.97	Sep 30 2004
INSTANTANEOUS LOW FLOW			4.9	Jun 11	0.14	Oct 1 2002
ANNUAL RUNOFF (CFSM)	1.03		0.380		0.779	
ANNUAL RUNOFF (INCHES)	13.98		5.17		10.58	
10 PERCENT EXCEEDS	1770		823		1500	
50 PERCENT EXCEEDS	445		61		136	
90 PERCENT EXCEEDS	46		12		3.4	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02316000 ALAPAHA RIVER NEAR ALAPAHA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 019
LATITUDE 312303 LONGITUDE 0831133 NAD27 DRAINAGE AREA 663.00 CONTRIBUTING DRAINAGE AREA 663.00* DATUM 208.34 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.67	5.97	2.58	3.41	8.42	9.63	3.10	1.80	0.99	4.70	1.90	1.45
2	2.51	5.93	2.56	3.32	7.74	9.36	3.00	1.86	1.05	5.16	2.16	1.47
3	2.38	5.63	2.53	3.23	7.03	8.98	2.91	2.08	1.09	4.53	2.40	1.63
4	2.26	5.10	2.52	3.14	6.75	8.64	2.82	2.29	1.07	3.94	2.65	1.73
5	2.15	4.63	2.55	3.08	7.01	8.36	2.74	3.17	1.01	3.47	2.44	1.66
6	2.05	4.26	2.70	3.07	7.43	8.13	2.66	4.24	0.95	4.06	2.11	2.59
7	1.99	4.01	2.81	3.08	8.33	7.93	2.56	4.38	1.01	4.73	1.84	6.92
8	1.97	3.80	2.79	3.10	8.49	7.69	2.54	3.83	1.15	4.68	1.58	7.68
9	2.01	3.62	2.72	3.19	8.90	7.44	2.56	3.16	1.05	4.03	1.36	7.96
10	1.91	3.48	2.80	3.33	9.97	7.20	2.52	2.70	1.00	3.26	1.22	8.44
11	2.08	3.38	3.05	3.37	10.05	6.91	2.48	2.39	0.92	2.73	1.24	10.29
12	2.28	3.27	3.12	3.36	9.72	6.56	2.45	2.16	0.93	2.60	1.29	10.71
13	2.33	3.18	3.08	3.31	9.49	6.23	2.49	1.99	1.01	3.06	1.36	10.91
14	2.26	3.02	3.50	3.26	9.96	5.94	2.51	1.85	1.04	3.53	1.44	11.00
15	2.15	2.92	4.03	3.22	11.23	5.70	2.48	1.78	1.35	4.01	1.60	10.82
16	2.02	2.80	4.10	3.20	11.43	5.50	2.39	2.09	2.14	3.94	1.62	10.44
17	1.94	2.72	4.12	3.12	11.66	5.33	2.32	2.33	2.16	3.80	1.53	10.17
18	1.89	2.66	4.24	3.09	11.87	5.14	2.26	2.28	2.65	3.22	1.44	9.87
19	1.82	2.77	4.39	3.07	11.82	4.97	2.21	2.15	2.43	3.00	1.36	9.13
20	1.76	2.84	4.28	3.07	11.66	4.84	2.16	2.09	2.11	2.65	1.37	8.61
21	1.71	2.81	4.07	3.04	11.44	4.71	2.09	1.99	1.83	2.38	1.42	8.39
22	1.66	2.75	3.96	3.01	11.19	4.50	1.99	1.81	2.04	2.19	1.40	8.13
23	1.60	2.69	3.88	3.00	10.83	4.29	1.88	1.63	2.17	2.01	1.57	7.67
24	1.55	2.68	3.79	2.96	10.46	4.09	1.79	1.50	2.46	1.83	1.81	7.17
25	1.51	2.68	3.66	2.93	10.09	3.90	1.70	1.51	2.56	1.67	1.72	6.77
26	1.67	2.67	3.51	3.58	9.96	3.76	1.61	1.50	2.58	1.53	1.58	6.46
27	2.40	2.67	3.39	6.51	9.75	3.63	1.62	1.40	3.10	1.42	1.44	9.62
28	3.77	2.69	3.34	6.46	9.59	3.49	1.58	1.28	3.63	1.36	1.29	11.69
29	7.03	2.68	3.41	6.41	9.61	3.35	1.46	1.16	3.73	1.75	1.17	12.46
30	7.00	2.60	3.48	7.37	---	3.23	1.59	1.09	3.90	1.84	1.10	14.58
31	6.44	---	3.48	8.46	---	3.17	---	1.02	---	1.67	1.12	---
MEAN	2.54	3.43	3.37	3.80	9.72	5.89	2.28	2.15	1.84	3.06	1.60	7.88
MAX	7.03	5.97	4.39	8.46	11.87	9.63	3.10	4.38	3.90	5.16	2.65	14.58
MIN	1.51	2.60	2.52	2.93	6.75	3.17	1.46	1.02	0.92	1.36	1.10	1.45

2004 Water Year

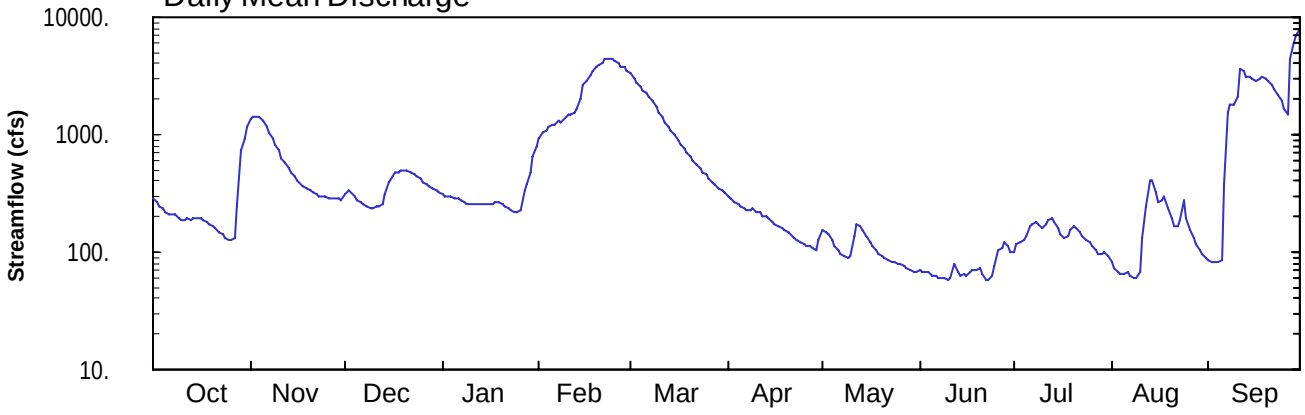
SUWANNEE RIVER BASIN

02317500 ALAPAHA RIVER AT STATENVILLE, GA

Latitude: 30°42'14" Longitude: 083°02'00" Hydrologic Unit Code: 03110202

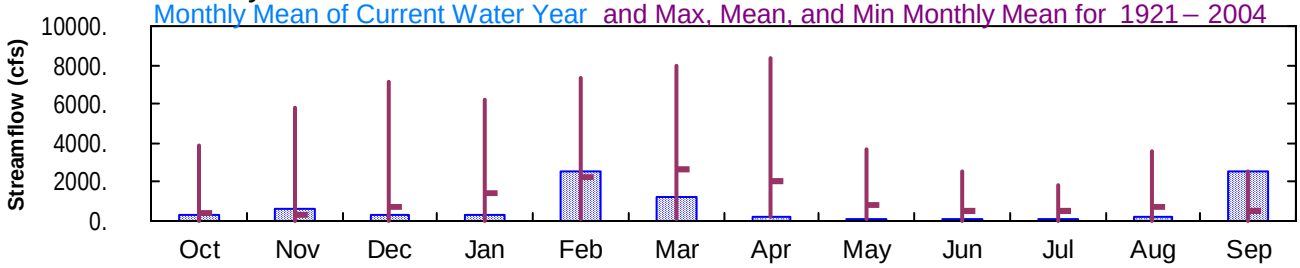
Echols County Datum: 76.77 feet Drainage Area: 1400. mi²

Daily Mean Discharge

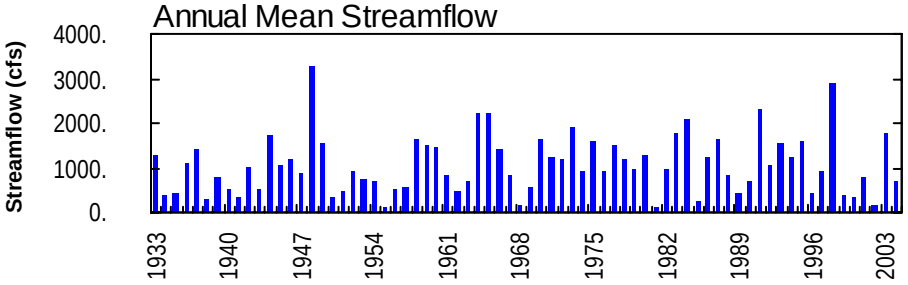


Monthly Statistics

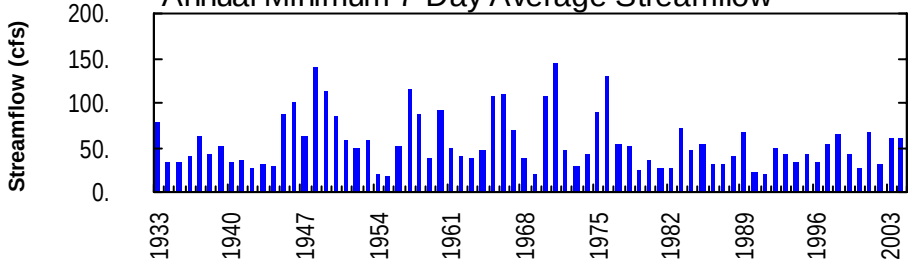
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1921 – 2004

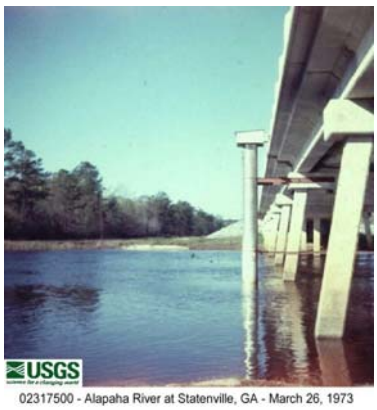


Annual Mean Streamflow



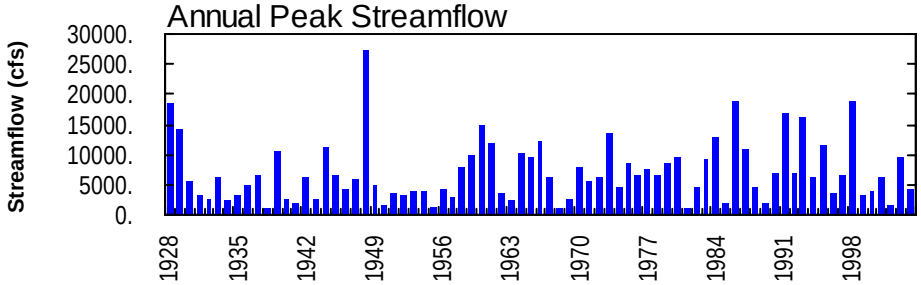
Annual Minimum 7-Day Average Streamflow





02317500 - Alapaha River at Statenville, GA - March 26, 1973

Annual Peak Streamflow



SUWANNEE RIVER BASIN
2004 Water Year

02317500 ALAPAHA RIVER AT STATENVILLE, GA

LOCATION.—Lat 30°42'14", long 83°02'00", referenced to North American Datum (NAD) of 1927, Echols County, Hydrologic Unit 03110202, at downstream side of left bank pier of bridge on GA 94, 10.4 miles upstream from Alapahoochee River (Grand Bay Creek), 0.2 miles west of Statenville.

DRAINAGE AREA.—1,400 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January to June 1921, October 1931 to current year. Monthly discharge only for October to December 1931, published in WSP 1304.

REVISED RECORDS.—WSP 822: 1936, drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 76.77 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From January 28 to June 30, 1921, a non-recording gage was located at site 50 feet upstream at datum 2.10 feet higher. From December 10, 1931 to November 30, 1949, a non-recording gage was located at site 200 feet upstream at present datum, and from December 1, 1949, to November 22, 1952, a non-recording gage was located at same site and datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Maximum recorded discharge for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 1, 2004 and is not considered the peak discharge of the 2004 water year.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1862, was that of April 6, 1948, from information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/23	1145	4,400*	17.62*
09/11	1400	3,780	15.61

02317500 ALAPAHA RIVER AT STATENVILLE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January to June 1921, October 1931 to current year. Monthly discharge only for October to December 1931, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 76.77 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From January 28 to June 30, 1921, a non-recording gage was located at site 50 feet upstream at datum 2.10 feet higher. From December 10, 1931 to November 30, 1949, a non-recording gage was located at site 200 feet upstream at present datum, and from December 1, 1949, to November 22, 1952, a non-recording gage was located at same site and datum.

REMARKS.—Records good. Maximum recorded stage for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 1, 2004 and is not considered the peak stage of the 2004 water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.62 feet, February 23; minimum gage-height recorded, 1.12 feet, June 23.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records poor.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02317500 ALAPAHA RIVER AT STATENVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 101
LATITUDE 304214 LONGITUDE 0830200 NAD27 DRAINAGE AREA 1400.00 CONTRIBUTING DRAINAGE AREA 1400.00* DATUM 76.77 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	1340	309	309	913	3290	298	151	70	98	81	85
2	263	1400	337	303	1020	2990	283	148	69	117	74	83
3	250	1430	316	297	1100	2750	268	141	67	122	69	82
4	235	1410	294	293	1160	2550	255	125	67	128	65	82
5	221	1310	277	291	1200	2400	242	113	64	139	65	86
6	207	1180	264	287	1200	2260	232	104	62	163	67	384
7	212	1060	251	277	1330	2110	223	97	61	174	63	1530
8	207	932	242	265	1280	1920	228	92	61	178	60	1820
9	193	823	234	258	1380	1720	233	88	60	171	60	1820
10	183	718	234	256	1460	1560	221	92	58	163	67	2080
11	184	637	242	252	1490	1400	214	136	60	172	133	3650
12	192	574	248	253	1560	1280	206	171	80	184	243	3430
13	190	523	251	254	1690	1170	205	169	66	194	400	3080
14	193	475	307	258	2040	1070	193	155	63	183	401	3110
15	191	437	400	259	2610	985	182	137	65	159	317	2990
16	191	406	448	257	2900	902	173	122	62	144	267	2920
17	190	379	470	255	3230	825	166	112	66	130	279	2990
18	182	356	477	262	3530	751	159	104	71	135	293	3040
19	172	349	495	263	3740	699	153	98	70	152	240	2940
20	163	338	502	255	3930	655	147	93	73	165	193	2840
21	157	320	488	246	4140	605	140	88	65	160	166	2650
22	150	306	469	237	4330	558	133	84	57	150	168	2420
23	141	298	457	229	4390	518	127	83	57	135	189	2180
24	133	296	445	222	4370	484	121	82	63	127	274	1930
25	127	299	419	219	4250	454	117	80	e75	122	192	1660
26	127	291	392	228	4040	425	112	78	e105	114	155	1470
27	133	286	372	333	3840	399	112	77	108	103	130	4470
28	249	285	356	377	3700	377	108	74	121	96	115	6020
29	730	282	342	472	3550	356	102	71	114	95	104	6920
30	927	278	330	658	---	336	124	68	100	100	95	7790
31	1180	---	320	805	---	317	---	68	---	91	88	---
TOTAL	8155	19018	10988	9430	75373	38116	5477	3301	2180	4364	5113	76552
MEAN	263	634	354	304	2599	1230	183	106	72.7	141	165	2552
MAX	1180	1430	502	805	4390	3290	298	171	121	194	401	7790
MIN	127	278	234	219	913	317	102	68	57	91	60	82
CFSM	0.19	0.45	0.25	0.22	1.86	0.88	0.13	0.08	0.05	0.10	0.12	1.82
IN.	0.22	0.51	0.29	0.25	2.00	1.01	0.15	0.09	0.06	0.12	0.14	2.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2004, BY WATER YEAR (WY)

MEAN	390	344	761	1380	2209	2669	2080	783	513	503	667	510
MAX	3868	5818	7155	6237	7391	7930	8328	3720	2526	1806	3589	2552
(WY)	1995	1948	1948	1998	1991	1998	1948	1944	1973	1964	1945	2004
MIN	28.4	21.0	33.7	35.8	77.6	129	165	62.4	42.0	38.8	29.4	25.6
(WY)	1969	1955	1955	1934	1934	1955	1968	1999	2002	1981	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1921 - 2004	
ANNUAL TOTAL	620470		258067			
ANNUAL MEAN	1700		705		1074	
HIGHEST ANNUAL MEAN					3280	1948
LOWEST ANNUAL MEAN					127	1981
HIGHEST DAILY MEAN	9480	Mar 13	7790	Sep 30	26500	Apr 6 1948
LOWEST DAILY MEAN	127	Oct 25	57	Jun 22 a	17	Nov 10 1954
ANNUAL SEVEN-DAY MINIMUM	138	Oct 21	61	Jun 5	18	Nov 7 1954
MAXIMUM PEAK FLOW			8050	Sep 30	27300	Apr 6 1948
MAXIMUM PEAK STAGE			25.35	Sep 30	29.80	Apr 6 1948
INSTANTANEOUS LOW FLOW			55	Jun 23	16	Nov 13 1954
ANNUAL RUNOFF (CFSM)	1.21		0.504		0.767	
ANNUAL RUNOFF (INCHES)	16.49		6.86		10.42	
10 PERCENT EXCEEDS	3990		2300		2950	
50 PERCENT EXCEEDS	1020		250		376	
90 PERCENT EXCEEDS	240		75		54	

e Estimated
a Also Jun 23

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02317500 ALAPAHA RIVER AT STATENVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 101
LATITUDE 304214 LONGITUDE 0830200 NAD27 DRAINAGE AREA 1400.00 CONTRIBUTING DRAINAGE AREA 1400.00* DATUM 76.77 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	7.02	2.81	2.82	5.34	13.98	2.76	1.91	1.28	1.52	1.37	1.41
2	2.71	7.24	2.95	2.78	5.77	12.98	2.68	1.89	1.26	1.67	1.31	1.39
3	2.64	7.36	2.85	2.75	6.09	12.12	2.60	1.84	1.25	1.70	1.26	1.38
4	2.56	7.26	2.74	2.74	6.33	11.43	2.53	1.73	1.24	1.75	1.22	1.39
5	2.48	6.88	2.65	2.72	6.46	10.89	2.46	1.64	1.21	1.83	1.22	1.42
6	2.40	6.38	2.58	2.70	6.47	10.41	2.40	1.57	1.20	1.99	1.25	3.01
7	2.43	5.92	2.51	2.65	6.95	9.87	2.35	1.51	1.18	2.06	1.20	7.73
8	2.40	5.42	2.46	2.58	6.78	9.19	2.38	1.46	1.19	2.08	1.18	8.82
9	2.32	4.98	2.41	2.54	7.16	8.45	2.40	1.43	1.17	2.04	1.17	8.84
10	2.26	4.60	2.42	2.53	7.46	7.83	2.34	1.47	1.16	1.99	1.24	9.73
11	2.26	4.30	2.46	2.51	7.60	7.25	2.30	1.80	1.17	2.05	1.77	15.18
12	2.31	4.06	2.49	2.52	7.84	6.76	2.25	2.04	1.37	2.12	2.44	14.43
13	2.30	3.84	2.51	2.52	8.34	6.36	2.25	2.03	1.24	2.18	3.27	13.26
14	2.31	3.62	2.80	2.54	9.60	5.98	2.18	1.93	1.20	2.11	3.27	13.36
15	2.30	3.44	3.26	2.55	11.64	5.63	2.11	1.81	1.22	1.96	2.85	12.95
16	2.30	3.30	3.49	2.54	12.64	5.30	2.05	1.71	1.19	1.86	2.59	12.71
17	2.30	3.16	3.59	2.53	13.76	4.99	2.01	1.63	1.24	1.76	2.66	12.97
18	2.25	3.05	3.63	2.56	14.76	4.72	1.96	1.56	1.28	1.80	2.73	13.14
19	2.19	3.01	3.71	2.57	15.47	4.53	1.92	1.51	1.27	1.92	2.45	12.79
20	2.13	2.96	3.74	2.53	16.08	4.37	1.88	1.48	1.30	2.00	2.17	12.46
21	2.09	2.87	3.68	2.48	16.80	4.18	1.84	1.44	1.22	1.97	2.01	11.80
22	2.04	2.80	3.59	2.43	17.39	3.99	1.79	1.40	1.15	1.90	2.02	10.97
23	1.98	2.76	3.53	2.38	17.58	3.82	1.74	1.39	1.14	1.80	2.13	10.12
24	1.92	2.75	3.48	2.34	17.52	3.66	1.70	1.38	1.20	1.74	2.63	9.20
25	1.88	2.77	3.36	2.33	17.14	3.52	1.66	1.36	---	1.71	2.17	8.24
26	1.88	2.72	3.23	2.38	16.46	3.39	1.63	1.35	---	1.64	1.93	7.51
27	1.92	2.69	3.13	2.94	15.80	3.26	1.63	1.33	1.60	1.56	1.76	17.76
28	2.56	2.69	3.05	3.16	15.35	3.16	1.60	1.31	1.69	1.50	1.65	22.48
29	4.67	2.68	2.98	3.60	14.84	3.05	1.55	1.28	1.64	1.49	1.56	24.37
30	5.40	2.65	2.92	4.38	---	2.95	1.71	1.25	1.54	1.53	1.49	25.15
31	6.37	---	2.87	4.91	---	2.86	---	1.25	---	1.46	1.43	---
MEAN	2.59	4.17	3.03	2.76	11.43	6.48	2.09	1.57	---	1.83	1.92	10.87
MAX	6.37	7.36	3.74	4.91	17.58	13.98	2.76	2.04	---	2.18	3.27	25.15
MIN	1.88	2.65	2.41	2.33	5.34	2.86	1.55	1.25	---	1.46	1.17	1.38

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02317500 ALAPAHA RIVER AT STATENVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 101
LATITUDE 304214 LONGITUDE 0830200 NAD27 DRAINAGE AREA 1400.00 CONTRIBUTING DRAINAGE AREA 1400.00* DATUM 76.77 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.15	0.00	0.00	0.06
2	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.63	0.09	0.20	0.00	0.01
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.07	0.08	0.00	0.00	0.00
4	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.08	0.24
5	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82
6	0.01	0.00	0.00	0.01	1.53	0.01	0.00	0.00	0.00	0.00	0.00	4.25
7	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.10	0.00	0.37
8	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.12	0.18	0.02	0.00
9	0.00	0.00	0.00	0.25	0.00	0.13	0.00	0.00	0.21	0.00	0.00	0.08
10	0.00	0.00	0.33	0.00	0.00	0.01	0.00	0.00	0.21	0.00	1.17	3.97
11	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.01	0.00	2.29	0.01
12	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.14	2.18	0.14
13	0.00	0.00	0.04	0.00	0.00	0.00	0.46	0.00	1.10	0.01	0.95	1.07
14	0.00	0.00	1.16	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.01
15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.70	0.49	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.39	0.28	0.00	0.06
17	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.63	0.92
18	0.00	0.00	0.00	0.31	0.01	0.00	0.00	0.00	0.00	0.72	0.01	0.00
19	0.00	0.61	0.00	0.03	0.00	0.00	0.00	0.12	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.77	0.00
23	---	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.99	0.01	2.52	0.00
24	---	0.35	0.29	0.00	0.75	0.00	0.00	0.00	0.01	1.25	0.00	0.00
25	---	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.48	0.03	0.00	0.20	0.00	1.02	0.00	0.00	4.79
27	---	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.04	0.00	1.73
28	3.95	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
29	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
30	0.00	0.00	0.10	0.00	---	0.03	1.78	0.00	0.03	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.78	---	0.00	0.00	---
TOTAL	---	2.06	1.95	1.08	3.95	0.19	3.16	2.16	6.95	3.62	12.51	19.53

SUWANNEE RIVER BASIN
2004 Water Year

02317600 LITTLE RIVER AT GA 376, NEAR STATENVILLE, GA

LOCATION.—Lat 30°42'13", long 83°07'18", referenced to North American Datum (NAD) of 1927, Echols County, Hydrologic Unit 03110202, at GA 376, 5.0 miles west of Statenville.

DRAINAGE AREA.—199 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1948, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 85.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 17.36 feet, March 28, 1984
DISCHARGE: 11,000 cfs, March 28, 1984

MAXIMUM FOR CURRENT YEAR.—
STAGE: 12.84 feet, September 8
DISCHARGE: 2,930 cfs, September 8

2004 Water Year

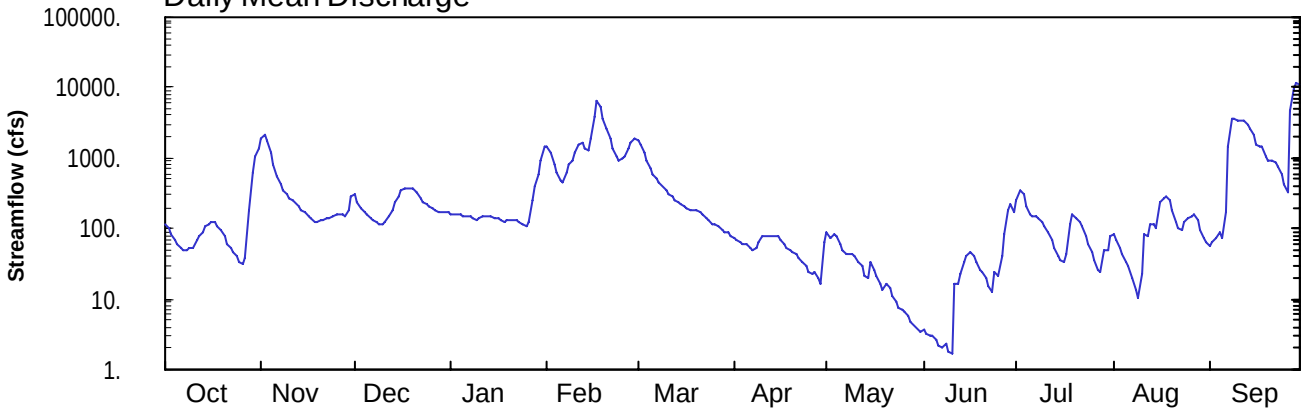
SUWANNEE RIVER BASIN

023177483 WITHLACOOCHEE RIVER AT MCMILLAN RD,NEAR BEMISS, GA

Latitude: 30°57'09" Longitude: 083°16'07" Hydrologic Unit Code: 03110203

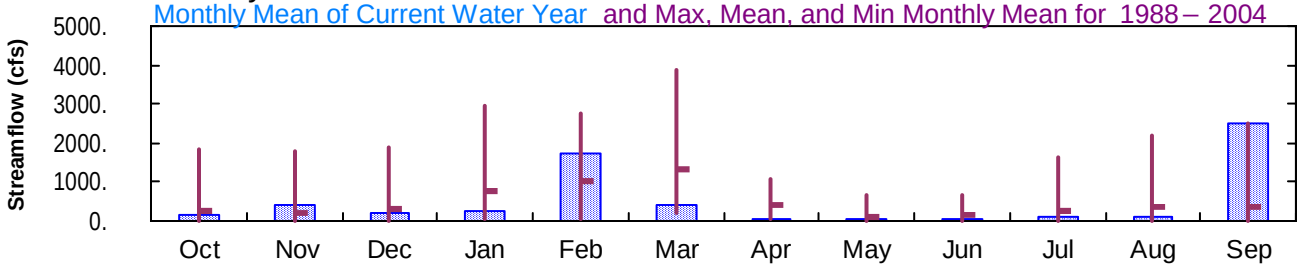
Lowndes County Datum: 125 feet Drainage Area: 502. mi²

Daily Mean Discharge

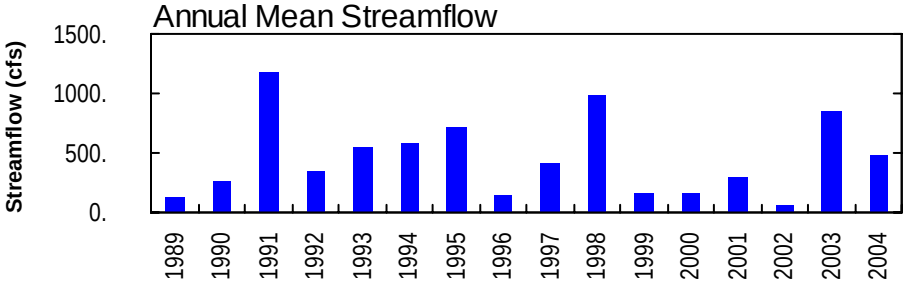


Monthly Statistics

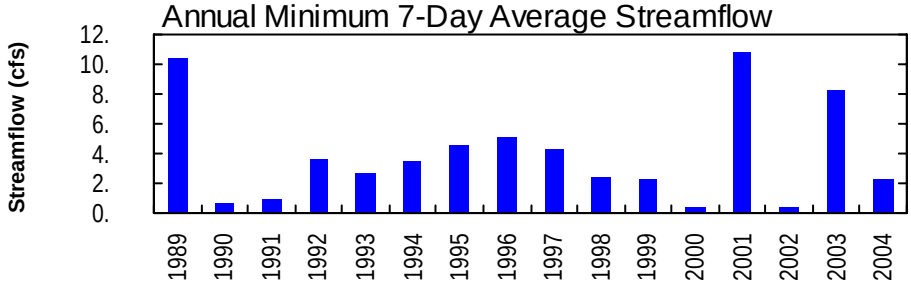
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1988 – 2004



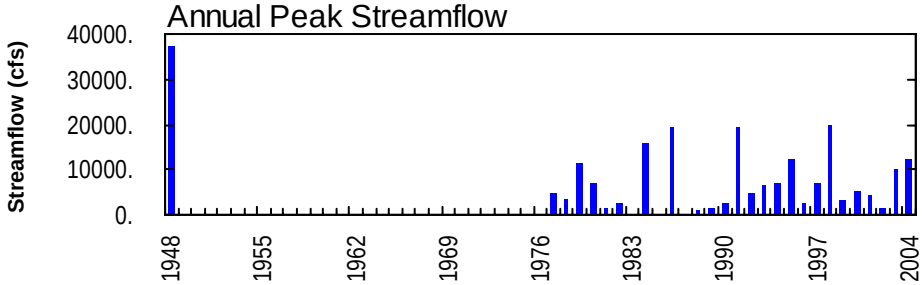
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

SUWANNEE RIVER BASIN
2004 Water Year

023177483 WITHLACOOCHEE RIVER AT MCMILLAN ROAD, NEAR BEMISS, GA

LOCATION.—Lat 30°57'09", long 83°16'07", referenced to North American Datum (NAD) of 1927, Lowndes County, Hydrologic Unit 03110203, on downstream side of bridge pier on McMillan Road, 2.3 miles downstream from Cat Creek, and 3.0 miles northwest of Bemiss.

DRAINAGE AREA.—502 square miles, approximately.

COOPERATION.—City of Valdosta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1988 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 125.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/02	0245	2,170	13.45
02/11	2300	1,670	12.11
02/17	1230	7,020	17.74
02/29	1815	1,910	12.82
09/08	1745	3,940	16.02
09/29	1845	12,200*	19.88*

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1988 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 125.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.88 feet, September 29; minimum gage-height recorded, 1.17 feet, June 10.

023177483 WITHLACOOCHEE RIVER AT MCMILLAN ROAD, NEAR BEMISS, GA—continued.

PRECIPTATION RECORDS

PERIOD OF RECORD.—May 24, 2004 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 023177483 WITHLACOOCHEE RIVER AT MCMILLAN RD,NEAR BEMISS, GA SOURCE AGENCY USGS STATE 13 COUNTY 185
LATITUDE 305709 LONGITUDE 0831607 NAD27 DRAINAGE AREA 502 CONTRIBUTING DRAINAGE AREA 502* DATUM 125 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	1900	304	163	1500	1830	75	91	3.6	244	85	55
2	102	2110	239	160	1200	1580	70	74	3.3	344	67	65
3	81	1720	198	158	830	1240	66	84	3.1	301	53	74
4	69	1220	173	156	608	916	62	78	3.0	213	43	90
5	59	787	156	151	497	717	59	61	2.6	164	34	75
6	52	539	143	148	460	603	54	49	2.2	153	29	173
7	49	415	134	147	625	525	50	44	2.0	148	20	1440
8	49	353	127	139	813	458	54	45	2.3	141	13	3610
9	54	307	118	135	946	395	66	45	1.8	121	11	3660
10	52	273	115	138	1220	351	77	40	1.7	106	23	3380
11	68	248	127	148	1580	315	76	34	16	92	84	3300
12	80	229	147	153	1620	282	76	29	16	67	77	3340
13	91	207	180	152	1380	257	76	21	23	52	115	2950
14	107	185	238	146	1310	235	76	20	33	42	113	2670
15	115	166	285	142	1880	217	76	33	40	35	100	2170
16	122	151	338	138	3750	205	70	27	46	33	236	1560
17	122	137	377	131	6630	194	61	21	41	44	271	1470
18	111	125	377	127	5320	188	53	16	32	114	280	1450
19	94	121	379	129	3670	187	49	13	25	160	259	1070
20	78	129	375	136	2640	179	47	16	24	138	177	922
21	60	131	328	133	1890	171	43	14	20	121	122	949
22	51	136	272	131	1400	158	38	11	16	106	104	894
23	48	137	236	122	1050	143	33	8.9	13	77	96	755
24	41	147	216	114	915	128	29	7.7	24	61	125	580
25	34	160	202	110	963	115	24	7.1	22	46	141	418
26	31	163	191	123	1070	113	22	6.6	40	35	151	319
27	38	156	180	251	1350	107	24	5.6	85	27	157	4750
28	176	152	173	393	1670	97	20	4.9	187	23	129	9580
29	607	178	169	574	1880	89	17	4.2	224	51	96	11500
30	1040	282	169	932	---	87	64	3.6	171	51	72	11200
31	1410	---	168	1460	---	80	---	3.5	---	76	62	---
TOTAL	5207	12964	6834	7240	50667	12162	1607	918.1	1123.6	3386	3345	74469
MEAN	168	432	220	234	1747	392	53.6	29.6	37.5	109	108	2482
MAX	1410	2110	379	1460	6630	1830	77	91	224	344	280	11500
MIN	31	121	115	110	460	80	17	3.5	1.7	23	11	55
CFSM	0.33	0.86	0.44	0.47	3.48	0.78	0.11	0.06	0.07	0.22	0.21	4.94
IN.	0.39	0.96	0.51	0.54	3.75	0.90	0.12	0.07	0.08	0.25	0.25	5.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	247	229	324	750	1032	1304	423	120	163	242	333	348
MAX	1843	1778	1889	2935	2738	3884	1053	642	647	1655	2169	2482
(WY)	1995	1998	1998	1991	1995	2003	2003	1991	2003	1991	1991	2004
MIN	9.35	5.49	9.28	32.9	72.6	194	47.6	10.9	2.59	2.73	3.90	1.23
(WY)	1996	2002	2002	1989	1989	2000	1999	2002	2002	2002	1990	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	315617		179922.7			
ANNUAL MEAN	865		492		460	
HIGHEST ANNUAL MEAN					1178	1991
LOWEST ANNUAL MEAN					69.3	2002
HIGHEST DAILY MEAN	9630	Mar 10	11500	Sep 29	19100	Mar 5 1991
LOWEST DAILY MEAN	31	Oct 26	1.7	Jun 10	0.10	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	43	Oct 21	2.2	Jun 4	0.34	Jun 11 2000
MAXIMUM PEAK FLOW			12200	Sep 29	19700	Mar 11 1998
MAXIMUM PEAK STAGE			19.88	Sep 29	22.50	Mar 11 1998
INSTANTANEOUS LOW FLOW			1.6	Jun 10	0.05	Sep 11 2002
ANNUAL RUNOFF (CFSM)	1.72		0.979		0.917	
ANNUAL RUNOFF (INCHES)	23.39		13.33		12.46	
10 PERCENT EXCEEDS	2360		1390		1220	
50 PERCENT EXCEEDS	326		129		97	
90 PERCENT EXCEEDS	99		21		7.5	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 023177483 WITHLACOOCHEE RIVER AT MCMILLAN RD,NEAR BEMISS, GA SOURCE AGENCY USGS STATE 13 COUNTY 185
LATITUDE 305709 LONGITUDE 0831607 NAD27 DRAINAGE AREA 502 CONTRIBUTING DRAINAGE AREA 502* DATUM 125 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.51	12.75	5.39	4.23	11.54	12.59	3.10	3.37	1.30	4.90	3.26	2.70
2	3.33	13.31	4.89	4.20	10.38	11.80	3.01	3.07	1.28	5.69	2.94	2.90
3	3.06	12.25	4.54	4.18	8.68	10.54	2.93	3.26	1.27	5.37	2.67	3.08
4	2.89	10.48	4.31	4.16	7.40	9.12	2.84	3.15	1.27	4.67	2.44	3.36
5	2.74	8.44	4.16	4.11	6.69	8.07	2.80	2.83	1.24	4.24	2.23	3.09
6	2.63	6.95	4.04	4.09	6.46	7.38	2.70	2.59	1.21	4.14	2.12	4.03
7	2.57	6.12	3.95	4.08	7.51	6.86	2.61	2.48	1.20	4.09	1.90	10.96
8	2.57	5.69	3.88	4.00	8.59	6.44	2.69	2.49	1.22	4.02	1.71	15.66
9	2.67	5.35	3.78	3.96	9.28	6.04	2.92	2.49	1.19	3.81	1.61	15.76
10	2.64	5.09	3.74	4.00	10.46	5.73	3.13	2.39	1.18	3.60	1.89	15.43
11	2.87	4.89	3.88	4.08	11.80	5.47	3.11	2.23	1.76	3.38	3.25	15.33
12	3.05	4.74	4.08	4.14	11.95	5.23	3.11	2.12	1.79	2.95	3.12	15.39
13	3.19	4.56	4.38	4.13	11.11	5.03	3.12	1.94	1.99	2.64	3.72	14.86
14	3.40	4.37	4.88	4.07	10.82	4.85	3.11	1.91	2.22	2.42	3.71	14.42
15	3.49	4.21	5.25	4.03	12.67	4.70	3.11	2.21	2.37	2.26	3.52	13.42
16	3.58	4.08	5.64	3.99	15.59	4.60	3.01	2.07	2.52	2.22	4.81	11.73
17	3.57	3.96	5.92	3.92	17.56	4.50	2.82	1.93	2.41	2.46	5.14	11.43
18	3.44	3.85	5.92	3.88	16.90	4.45	2.67	1.80	2.20	3.69	5.21	11.36
19	3.24	3.82	5.93	3.90	15.73	4.44	2.58	1.71	2.04	4.20	5.05	9.85
20	3.02	3.90	5.90	3.97	14.34	4.37	2.54	1.80	2.00	3.99	4.35	9.16
21	2.76	3.92	5.57	3.94	12.72	4.30	2.44	1.73	1.91	3.82	3.82	9.30
22	2.62	3.97	5.15	3.92	11.16	4.18	2.32	1.63	1.78	3.60	3.58	9.02
23	2.55	3.98	4.87	3.82	9.76	4.04	2.22	1.55	1.69	3.13	3.45	8.28
24	2.43	4.08	4.70	3.73	9.13	3.89	2.12	1.50	2.01	2.84	3.81	7.22
25	2.29	4.20	4.57	3.66	9.37	3.74	2.01	1.48	1.95	2.51	4.02	6.18
26	2.22	4.23	4.48	3.81	9.87	3.72	1.96	1.45	2.39	2.27	4.11	5.50
27	2.37	4.16	4.38	4.97	10.98	3.63	2.01	1.41	3.24	2.07	4.17	15.49
28	3.99	4.13	4.32	6.01	12.11	3.46	1.90	1.37	4.44	1.99	3.90	18.83
29	7.36	4.36	4.28	7.18	12.74	3.34	1.81	1.33	4.77	2.62	3.45	19.61
30	9.70	5.22	4.28	9.17	---	3.30	2.80	1.30	4.30	2.62	3.04	19.48
31	11.20	---	4.27	11.38	---	3.18	---	1.29	---	3.10	2.86	---
MEAN	3.58	5.70	4.69	4.60	11.15	5.58	2.65	2.06	2.07	3.40	3.38	10.76
MAX	11.20	13.31	5.93	11.38	17.56	12.59	3.13	3.37	4.77	5.69	5.21	19.61
MIN	2.22	3.82	3.74	3.66	6.46	3.18	1.81	1.29	1.18	1.99	1.61	2.70

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 023177483 WITHLACOOCHEE RIVER AT MCMILLAN RD,NEAR BEMISS, GA SOURCE AGENCY USGS STATE 13 COUNTY 185
LATITUDE 305709 LONGITUDE 0831607 NAD27 DRAINAGE AREA 502 CONTRIBUTING DRAINAGE AREA 502* DATUM 125 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	0.14	0.46	0.00	0.15
2	---	---	---	---	---	---	---	---	0.16	0.00	0.00	0.01
3	---	---	---	---	---	---	---	---	0.19	0.00	0.00	0.00
4	---	---	---	---	---	---	---	---	0.08	0.00	0.00	0.18
5	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.49
6	---	---	---	---	---	---	---	---	0.00	0.00	0.00	5.18
7	---	---	---	---	---	---	---	---	0.27	0.18	0.00	1.97
8	---	---	---	---	---	---	---	---	0.00	0.23	0.00	0.00
9	---	---	---	---	---	---	---	---	0.03	0.00	0.00	0.00
10	---	---	---	---	---	---	---	---	0.13	0.00	3.72	1.71
11	---	---	---	---	---	---	---	---	0.03	0.00	0.59	0.03
12	---	---	---	---	---	---	---	---	0.09	0.00	1.07	0.00
13	---	---	---	---	---	---	---	---	0.36	0.00	0.22	1.26
14	---	---	---	---	---	---	---	---	0.32	0.00	0.00	0.00
15	---	---	---	---	---	---	---	---	0.24	0.44	0.99	0.00
16	---	---	---	---	---	---	---	---	2.74	0.19	0.00	0.31
17	---	---	---	---	---	---	---	---	0.00	1.29	0.22	1.11
18	---	---	---	---	---	---	---	---	0.00	0.80	0.00	0.00
19	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	---	0.00	0.00	0.24	0.00
22	---	---	---	---	---	---	---	---	0.13	0.00	0.03	0.00
23	---	---	---	---	---	---	---	---	1.15	0.57	0.31	0.00
24	---	---	---	---	---	---	---	---	0.03	0.10	0.00	0.00
25	---	---	---	---	---	---	---	0.00	1.06	0.00	0.00	0.01
26	---	---	---	---	---	---	---	0.00	0.34	0.00	0.00	---
27	---	---	---	---	---	---	---	0.00	0.51	0.00	0.00	---
28	---	---	---	---	---	---	---	0.00	0.01	1.89	0.00	0.09
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	---	0.07	0.76	0.00	0.01	0.00
31	---	---	---	---	---	---	---	0.55	---	0.00	0.31	---
TOTAL	---	---	---	---	---	---	---	---	8.77	6.15	7.71	---

02317797 LITTLE RIVER AT UPPER TY TY ROAD, NEAR TIFTON, GA
(Nation Water-Quality Assessment station)

LOCATION.—Lat 31°28'54", long 83°35'03", referenced to North American Datum (NAD) of 1927, Tift County, Hydrologic Unit 03110204, 20 feet downstream from bridge on Upper Ty Ty Road, 0.3 miles downstream from Mill Creek, 0.3 miles upstream from Big Branch, and 4.9 miles west-northwest of Tifton.

DRAINAGE AREA.—129 square miles.

REMARKS.—None.

COOPERATION.—USGS National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—December 1976 to April 1978, and March 1993 to current year.

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT													
02...	1200	1028	80020	8.37	4.3	70	758	.4	5	6.2	145	17.6	38
DEC													
02...	0950	1028	80020	8.34	3.7	70	766	1.4	12	5.1	109	8.4	18
JAN													
06...	1030	1028	80020	8.61	12	70	764	2.3	22	6.3	83	14.2	20
MAR													
04...	1240	1028	80020	9.54	107	40	764	7.6	79	7.4	82	17.4	18
APR													
01...	1230	1028	80020	8.53	8.7	70	755	1.8	18	6.5	118	15.3	30
MAY													
05...	1140	1028	80020	9.33	75	40	758	3.9	40	6.3	88	17.0	16
JUL													
07...	1110	1028	80020	9.32	72	40	758	1.4	18	6.3	93	26.1	20
AUG													
03...	1200	1028	80020	8.77	20	70	753	.4	5	6.3	85	25.8	16
SEP													
13...	1140	1028	80020	9.84	173	40	759	4.5	54	6.2	82	24.2	12

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)
OCT													
02...	46	11.3	.4	.17	<.06	<.008	.22	.037	.012	.093	--	2.2	2.2
DEC													
02...	23	14.9	1.0	E.02	<.06	<.008	.05	.021	.007	.035	.66	.8	.8
JAN													
06...	24	15.8	2.2	<.04	E.03	<.008	.05	--	E.004	.032	.60	.5	.5
MAR													
04...	22	11.9	2.7	<.04	.19	E.004	.04	--	E.003	.036	.85	.3	.3
APR													
01...	36	13.9	.9	.11	.13	<.008	.07	.021	.007	.052	.91	.6	.6
MAY													
05...	20	11.8	2.4	.05	E.04	<.008	.09	.021	.007	.129	1.23	.6	.6
JUL													
07...	24	14.1	1.7	.06	.10	<.008	.05	.043	.014	.064	1.25	.5	.5
AUG													
03...	20	9.02	1.4	.10	<.06	E.005	.17	.021	.007	.076	1.04	1.6	1.6
SEP													
13...	14	10.0	2.1	<.04	<.06	<.008	.20	.018	.006	.077	1.13	1.9	1.9

02317797 LITTLE RIVER AT UPPER TY TY ROAD, NEAR TIFTON, GA—continued.

Date	Organic carbon, water, fltrd, mg/L (00681)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT													
02...	20.6	<.006	<.006	<.006	<.004	<.005	<.007	<.050	<.010	<.002	<.041	<.020	<.005
DEC													
02...	13.6	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
06...	11.4	<.006	<.006	<.006	<.005	<.005	E.006	<.050	<.010	<.004	<.041	<.020	<.005
MAR													
04...	10.4	<.006	E.009	<.006	<.005	<.005	.278	<.050	<.010	<.004	<.041	<.020	<.005
APR													
01...	16.0	<.006	E.006	<.006	<.005	<.005	.065	<.050	<.010	<.004	<.041	<.020	<.005
MAY													
05...	13.6	<.006	E.008	<.006	<.005	<.005	.072	<.050	<.010	<.004	<.041	<.020	<.005
JUL													
07...	19.6	<.006	E.004	<.006	<.005	<.005	.017	<.050	<.010	<.004	<.041	<.020	<.005
AUG													
03...	15.9	<.006	<.006	<.006	<.005	<.005	.020	<.050	<.010	<.004	<.041	<.020	<.005
SEP													
13...	20.6	<.006	<.006	<.006	<.005	<.005	.011	<.050	<.010	<.004	<.041	<.020	<.005

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
OCT													
02...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
DEC													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
06...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
MAR													
04...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
APR													
01...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.050	<.009	<.005	<.029	<.013	<.024
MAY													
05...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.007	<.009	<.005	<.029	<.013	<.024
JUL													
07...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
AUG													
03...	<.006	<.018	.004	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
SEP													
13...	<.006	<.018	.004	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024

02317797 LITTLE RIVER AT UPPER TY TY ROAD, NEAR TIFTON, GA—continued.

Date	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)
OCT													
02...	<.007	<.003	<.004	<.035	<.027	<.006	E.009	<.006	<.002	<.007	<.003	<.010	<.004
DEC													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
06...	<.016	<.003	<.004	<.035	<.027	<.015	.015	<.006	<.003	<.007	<.003	<.010	<.004
MAR													
04...	<.016	<.003	<.004	<.035	<.027	<.015	E.009	<.006	<.003	<.007	<.003	<.010	<.004
APR													
01...	<.016	<.003	<.004	<.035	<.027	<.015	.014	<.006	<.003	<.007	<.003	<.010	<.004
MAY													
05...	<.016	<.003	<.004	<.035	<.027	<.015	E.012	<.006	<.003	<.007	<.003	<.010	<.004
JUL													
07...	<.016	<.003	<.004	<.035	<.027	<.015	.028	<.006	<.003	<.007	<.003	<.010	<.004
AUG													
03...	<.016	<.003	<.004	<.035	<.027	<.015	E.012	<.006	<.003	<.007	<.003	<.010	<.004
SEP													
13...	<.016	<.003	<.004	<.035	<.027	<.015	E.007	.006	<.003	<.007	<.003	<.010	<.004

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)
OCT													
02...	<.022	<.011	E.01	<.004	<.010	<.011	<.02	<.005	E.01	<.034	<.02	<.005	<.002
DEC													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
06...	<.022	<.011	.01	<.004	<.025	<.011	<.02	.125	<.02	<.034	<.02	<.010	<.002
MAR													
04...	<.022	<.011	.01	<.004	<.025	<.011	<.02	.029	E.01	<.034	<.02	<.010	<.002
APR													
01...	<.022	<.011	.01	<.004	<.025	<.011	<.02	.010	<.02	<.034	<.02	<.010	<.002
MAY													
05...	<.022	<.011	.01	<.004	<.025	<.011	<.02	.010	.03	<.034	<.02	<.010	<.002
JUL													
07...	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	.02	<.034	<.02	<.010	<.002
AUG													
03...	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002
SEP													
13...	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	E.01	<.034	<.02	<.010	<.002

02317797 LITTLE RIVER AT UPPER TY TY ROAD, NEAR TIFTON, GA—continued.

Date	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT				
02...	<.009	100	18	.21
DEC				
02...	--	100	9	.09
JAN				
06...	<.009	100	4	.13
MAR				
04...	<.009	88	5	1.4
APR				
01...	<.009	100	4	.09
MAY				
05...	<.009	94	12	2.4
JUL				
07...	<.009	--	--	--
AUG				
03...	<.009	--	--	--
SEP				
13...	<.009	--	--	--

Date	Time	Agency ana-lyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY								
18...	1200	80020	12.8	67	79.50	12300	2.8	1.1

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

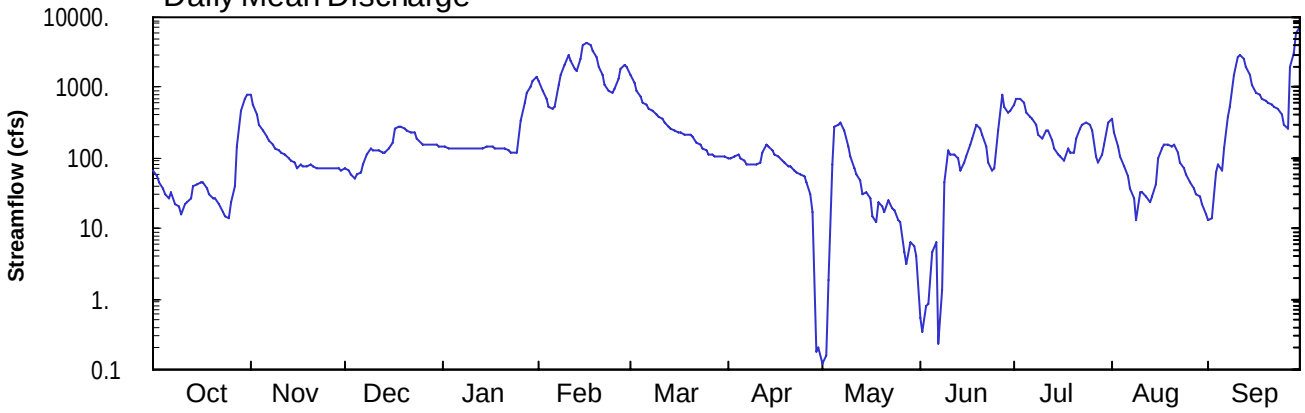
SUWANNEE RIVER BASIN

02318000 LITTLE RIVER NEAR ADEL, GA

Latitude: 31°09'18" Longitude: 083°32'38" Hydrologic Unit Code: 03110204

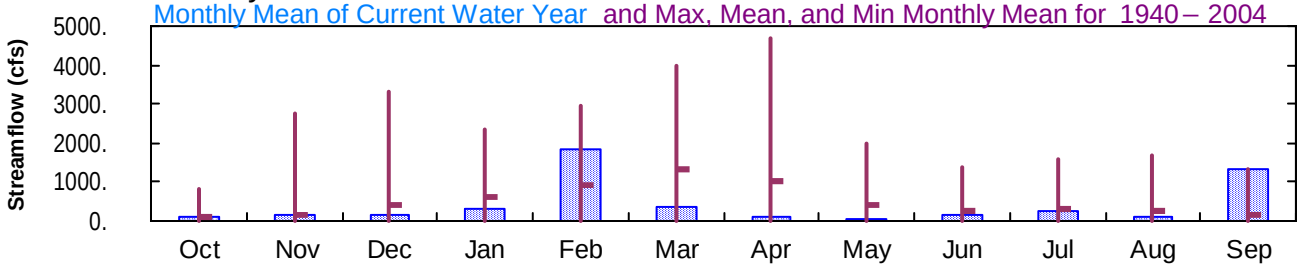
Cook County Datum: 190.00 feet Drainage Area: 577. mi²

Daily Mean Discharge

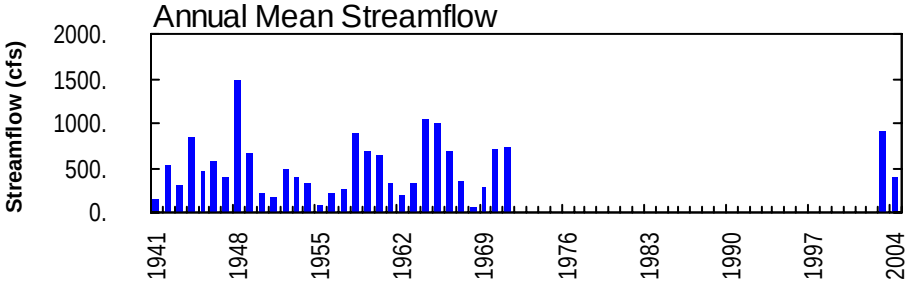


Monthly Statistics

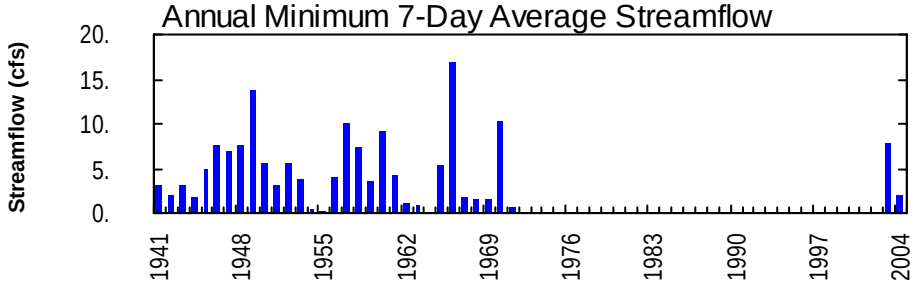
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1940 – 2004

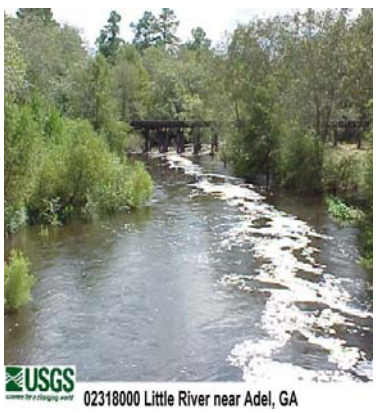


Annual Mean Streamflow

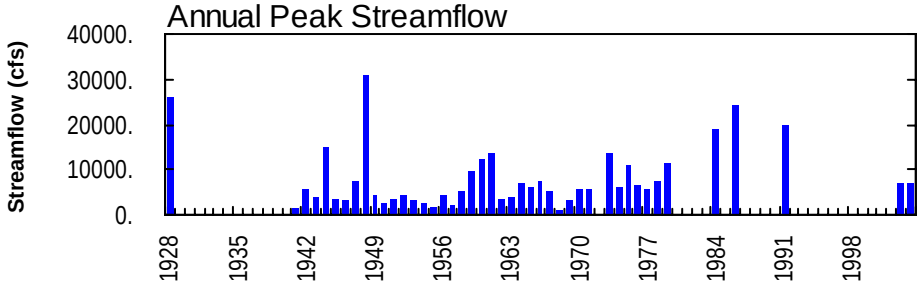


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



SUWANNEE RIVER BASIN
2004 Water Year

02318000 LITTLE RIVER NEAR ADEL, GA

LOCATION.—Lat 31°19'39", long 83°32'32", referenced to North American Datum (NAD) of 1983, Cook County, Hydrologic Unit 03110204, at bridge located just below dam at Reed Bingham State Park, 5.3 miles northwest of Adel.

DRAINAGE AREA.—570 square miles.

COOPERATION.—Georgia Geologic Survey, Suwannee River Water Management District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 12, 1940 to September 30, 1971, October 1, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 168.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). From June 12, 1940 to September 30, 1971, a water-stage recorder was installed at a location approximately 500 yards downstream at a gage datum of 171.08 feet above National Geodetic Vertical Datum (NGVD) of 1929.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in August of 1928 reached a stage of 20.5 feet, from information by Georgia State Highway Department, discharge 33,200 cfs, from rating curve extended above 13,000 cfs on basis of contracted-opening measurement of peak flow. Maximum stage known since at least 1927 occurred on April 2, 1948.

REMARKS.—Records fair.

02318000 LITTLE RIVER NEAR ADEL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 12, 1940 to September 30, 1971, October 1, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 168.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). From June 12, 1940 to September 30, 1971, a water-stage recorder was installed at a location approximately 500 yards downstream at a gage datum of 171.08 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.98 feet, September 30; minimum gage-height recorded, 2.05 feet, April 30, May 1, June 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318000 LITTLE RIVER NEAR ADEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 075
LATITUDE 310918 LONGITUDE 0833238 NAD83 DRAINAGE AREA 577.00 CONTRIBUTING DRAINAGE AREA 577.00* DATUM 190.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	768	e70	147	1220	1550	100	0.12	e0.53	590	e368	13
2	55	590	e68	143	925	1160	99	0.16	0.34	710	e236	14
3	45	414	e58	140	690	888	106	1.90	0.83	679	149	62
4	37	305	e50	139	535	728	113	84	0.88	e623	102	83
5	31	241	58	138	487	626	99	279	4.7	454	75	69
6	26	198	e63	138	531	555	90	296	6.5	383	55	138
7	33	175	e80	135	1120	509	81	327	0.23	362	36	385
8	22	157	113	133	1510	460	79	245	1.4	289	26	534
9	20	140	134	134	2110	423	82	149	44	217	13	1490
10	16	130	129	135	2890	383	82	107	128	e191	34	2730
11	22	118	e131	136	2460	353	87	e73	111	e245	33	2870
12	24	e109	e128	137	1870	314	117	60	114	252	28	2540
13	26	e102	e121	137	1680	282	153	49	96	e174	23	2030
14	39	e94	e124	140	2490	259	142	31	68	e137	29	1500
15	43	e88	e138	145	4110	242	129	33	86	e112	43	1090
16	45	e72	166	144	4420	231	e112	28	105	e105	100	826
17	45	e80	268	141	4040	224	e102	15	153	e93	140	775
18	38	e76	e273	140	3290	220	e93	e12	193	e133	156	673
19	30	e76	e279	140	2640	221	e86	e23	296	122	156	638
20	28	e79	e266	138	2000	e214	e78	e21	261	e122	148	612
21	26	e76	247	133	1500	202	e76	e17	217	e191	154	565
22	22	e73	237	127	1130	172	e66	e25	141	e265	120	549
23	17	e71	223	121	904	152	e64	19	86	e291	85	505
24	15	e71	190	119	844	138	e60	e18	66	e316	73	414
25	14	e72	170	e118	933	127	e56	e13	69	e301	57	304
26	23	e73	159	e348	1310	115	e46	e12	244	e239	45	264
27	41	e71	157	e603	1850	110	e32	e4.7	786	e107	36	2030
28	146	e70	155	832	2140	107	e17	3.1	530	e85	31	3190
29	478	e73	154	1000	1940	105	0.18	e6.5	443	e115	28	5820
30	704	e69	153	1290	---	105	0.20	e5.7	463	e160	22	7020
31	805	---	145	1470	---	103	---	e4.1	---	e321	16	---
TOTAL	2982	4731	4707	8941	53569	11278	2447.38	1962.28	4715.41	8384	2617	39733
MEAN	96.2	158	152	288	1847	364	81.6	63.3	157	270	84.4	1324
MAX	805	768	279	1470	4420	1550	153	327	786	710	368	7020
MIN	14	69	50	118	487	103	0.18	0.12	0.23	85	13	13
CFSM	0.17	0.27	0.26	0.50	3.20	0.63	0.14	0.11	0.27	0.47	0.15	2.30
IN.	0.19	0.31	0.30	0.58	3.45	0.73	0.16	0.13	0.30	0.54	0.17	2.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	105	169	408	609	942	1309	1006	411	260	325	276	165
MAX	804	2768	3311	2337	2936	4000	4688	1967	1397	1582	1702	1324
(WY)	1965	1948	1948	1964	1965	1944	1948	1971	1970	1945	2003	2004
MIN	0.68	1.54	2.90	3.11	2.96	3.53	3.22	2.78	2.90	2.92	2.45	1.16
(WY)	1955	1955	2001	2001	2001	2001	2001	2001	2001	2001	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	288253		146067.07			
ANNUAL MEAN	790		399		513	
HIGHEST ANNUAL MEAN					1499	1948
LOWEST ANNUAL MEAN					75.9	1968
HIGHEST DAILY MEAN	6710	Mar 22	7020	Sep 30	35400	Apr 2 1948
LOWEST DAILY MEAN	14	Oct 25	0.12	May 1	0.00	May 26 1964
ANNUAL SEVEN-DAY MINIMUM	21	Oct 20	2.0	Jun 1	0.00	May 26 1964
MAXIMUM PEAK FLOW			7170	Sep 30	7170	Sep 30 2004
MAXIMUM PEAK STAGE			16.98	Sep 30	16.98	Sep 30 2004
INSTANTANEOUS LOW FLOW			0.07	Apr 30	0.07	Apr 30 2004
ANNUAL RUNOFF (CFSM)	1.37		0.692		0.888	
ANNUAL RUNOFF (INCHES)	18.58		9.42		12.07	
10 PERCENT EXCEEDS	2260		1030		1450	
50 PERCENT EXCEEDS	287		133		124	
90 PERCENT EXCEEDS	69		22		6.2	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318000 LITTLE RIVER NEAR ADEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 075
LATITUDE 310918 LONGITUDE 0833238 NAD83 DRAINAGE AREA 577.00 CONTRIBUTING DRAINAGE AREA 577.00* DATUM 190.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.28	6.51	---	3.78	8.31	9.40	3.48	2.07	---	5.77	4.83	2.65
2	3.18	5.77	---	3.76	7.18	8.09	3.47	2.09	2.12	6.27	4.32	2.66
3	3.08	5.03	---	3.74	6.19	7.02	3.52	2.27	2.17	6.14	3.79	3.18
4	2.99	4.56	---	3.73	5.54	6.34	3.57	3.12	2.22	5.85	3.50	3.36
5	2.92	4.27	3.16	3.73	5.35	5.92	3.47	4.44	2.35	5.24	3.29	3.25
6	2.86	4.06	---	3.73	5.53	5.63	3.41	4.52	2.37	4.89	3.12	3.65
7	2.94	3.94	---	3.71	7.92	5.44	3.35	4.66	2.10	4.81	2.93	4.87
8	2.82	3.84	3.55	3.70	9.30	5.23	3.33	4.28	2.26	4.49	2.81	5.46
9	2.79	3.74	---	3.70	10.94	5.07	3.35	3.79	2.69	4.14	2.65	9.08
10	2.74	3.68	---	3.71	12.59	4.89	3.35	3.53	3.67	4.05	2.87	12.26
11	2.81	3.60	---	3.72	11.74	4.77	3.38	---	3.56	4.28	2.91	12.54
12	2.84	---	---	3.72	10.39	4.60	3.59	3.18	3.57	4.33	2.85	11.89
13	2.86	---	---	3.72	9.83	4.46	3.82	3.07	3.43	3.99	2.79	10.80
14	3.01	---	---	3.74	11.62	4.35	3.75	2.88	3.22	3.69	2.85	9.26
15	3.05	---	---	3.77	14.39	4.27	3.67	2.90	3.38	3.60	3.00	7.81
16	3.08	---	3.88	3.76	14.80	4.22	---	2.83	3.51	3.50	3.48	6.66
17	3.07	---	---	3.75	14.29	4.19	---	2.68	3.81	3.39	3.74	6.43
18	3.00	---	---	3.74	13.25	4.17	---	---	4.03	3.58	3.83	5.97
19	2.91	---	---	3.74	12.10	4.17	---	---	4.52	3.63	3.83	5.81
20	2.88	---	---	3.73	10.73	---	---	---	4.36	3.66	3.79	5.69
21	2.86	---	4.30	3.70	9.27	4.08	---	---	4.15	3.97	3.82	5.49
22	2.80	---	4.25	3.66	7.98	3.92	---	---	3.74	4.30	3.61	5.42
23	2.74	---	4.19	3.62	7.09	3.81	---	2.71	3.38	4.59	3.37	5.23
24	2.70	---	4.02	3.61	6.83	3.73	---	---	3.23	4.84	3.28	4.92
25	2.67	---	3.91	2.88	7.21	3.66	---	---	3.24	4.64	3.15	4.55
26	2.77	---	3.85	2.50	8.63	3.59	---	---	4.21	4.04	3.03	4.36
27	2.99	---	3.84	5.56	10.33	3.55	---	---	6.59	3.59	2.94	10.16
28	3.69	---	3.83	6.78	11.09	3.53	---	2.37	5.52	3.42	2.88	13.07
29	5.30	---	3.82	7.51	10.60	3.52	2.10	---	5.16	3.56	2.85	15.95
30	6.24	---	3.82	8.55	---	3.51	2.09	---	5.24	4.03	2.78	16.87
31	6.67	---	3.77	9.16	---	3.50	---	---	---	4.62	2.70	---
MEAN	3.24	---	---	4.26	9.69	---	---	---	---	4.35	3.28	7.31
MAX	6.67	---	---	9.16	14.80	---	---	---	---	6.27	4.83	16.87
MIN	2.67	---	---	2.50	5.35	---	---	---	---	3.39	2.65	2.65

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318000 LITTLE RIVER NEAR ADEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 075
LATITUDE 310918 LONGITUDE 0833238 NAD83 DRAINAGE AREA 577.00 CONTRIBUTING DRAINAGE AREA 577.00* DATUM 190.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.05	---	0.29	---	0.02
2	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.03	---	0.11	---	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	---	0.01	0.00	0.00
4	0.00	0.13	0.04	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.11
5	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00	---	---	0.00	0.65
6	0.51	0.00	0.00	0.00	1.19	0.03	0.00	0.00	0.00	0.00	0.00	4.49
7	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.06
8	0.06	0.00	0.00	0.03	0.00	0.00	0.64	0.00	---	0.09	0.00	0.00
9	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	2.57	---	0.00	0.00
10	0.01	0.00	0.70	0.00	0.07	0.00	0.00	---	---	---	1.68	0.17
11	0.34	0.00	0.00	0.00	0.21	0.00	0.00	---	---	0.00	0.00	0.03
12	0.07	0.00	0.00	0.00	0.64	0.00	0.01	0.71	---	0.00	0.54	0.00
13	0.00	0.00	0.02	0.00	0.25	0.00	0.25	0.00	---	0.00	0.00	0.10
14	0.01	0.00	0.87	0.00	2.53	0.00	0.00	0.00	---	0.00	0.00	0.00
15	0.00	---	0.00	0.00	0.01	0.00	0.00	0.00	---	---	0.49	0.01
16	0.00	---	0.00	0.00	0.00	0.02	0.00	0.00	---	---	0.01	1.26
17	0.00	---	0.08	0.00	0.00	0.00	0.00	---	0.00	---	0.00	0.00
18	0.00	---	0.00	0.21	0.00	0.00	0.00	---	0.00	---	0.00	0.00
19	0.00	---	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
20	0.00	---	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00	0.00
21	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.07	---	0.17	0.00
22	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.12	---	0.01	0.00
23	0.00	---	0.14	0.00	0.33	0.00	0.00	0.00	0.48	---	0.00	0.00
24	0.00	---	0.04	0.00	0.52	0.00	0.00	0.00	0.13	---	0.00	0.00
25	0.00	---	0.00	0.01	0.55	0.00	0.00	---	0.58	---	0.00	0.00
26	0.96	---	0.00	2.59	0.09	0.00	0.20	---	1.48	---	0.00	1.51
27	0.63	0.00	0.00	0.03	0.00	0.00	0.04	---	0.27	---	0.00	3.66
28	2.11	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.01	---	0.00	0.01
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.27	0.00
30	0.00	0.00	0.16	0.00	---	0.08	0.15	---	1.92	---	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	---	---	---	0.01	---
TOTAL	4.71	---	2.05	3.20	6.91	0.13	1.29	---	---	---	---	12.08

2004 Water Year

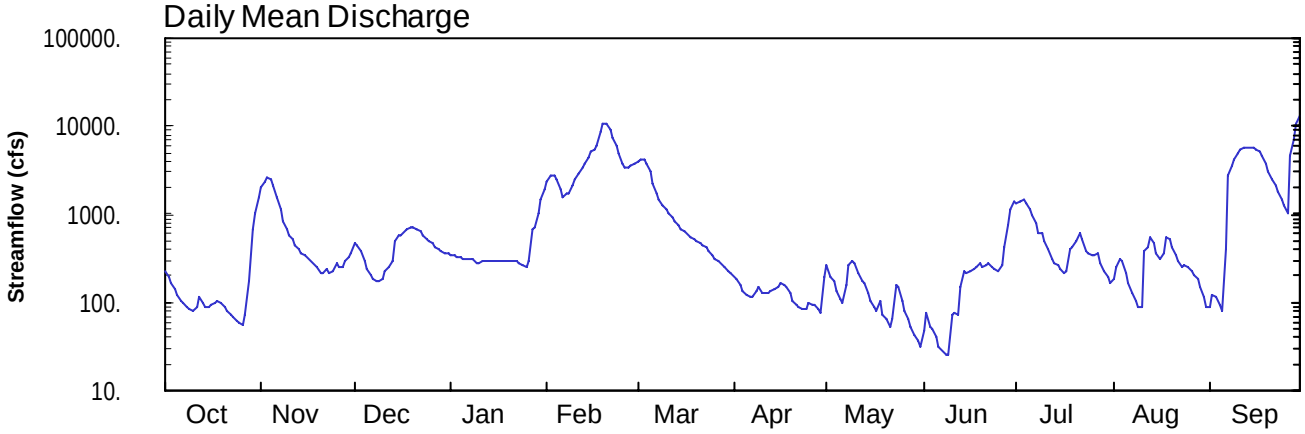
SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA

Latitude: 30°47'35" Longitude: 083°27'13" Hydrologic Unit Code: 03110203

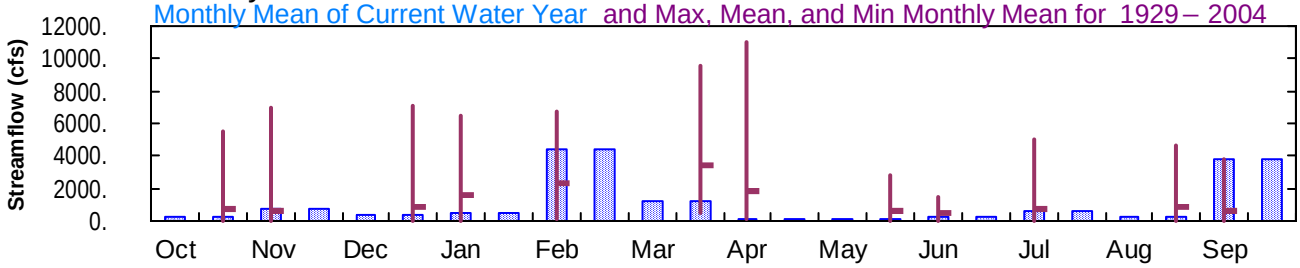
Brooks County Datum: 84.30 feet Drainage Area: 1480. mi²

Daily Mean Discharge

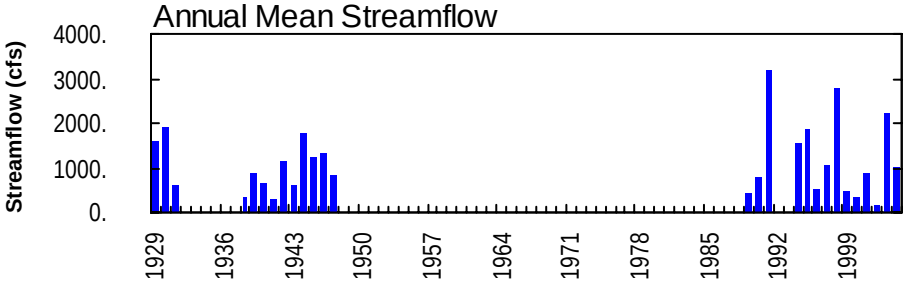


Monthly Statistics

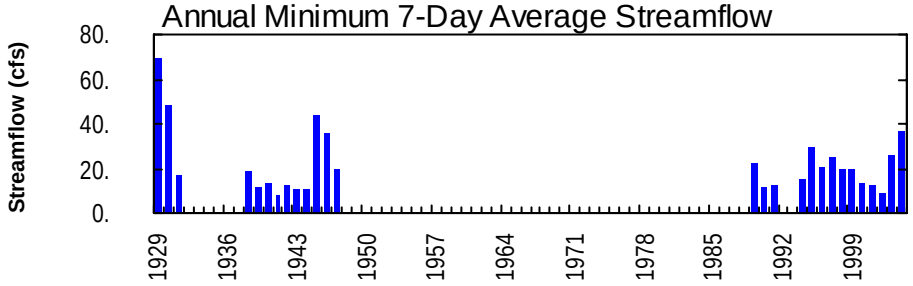
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1929 – 2004



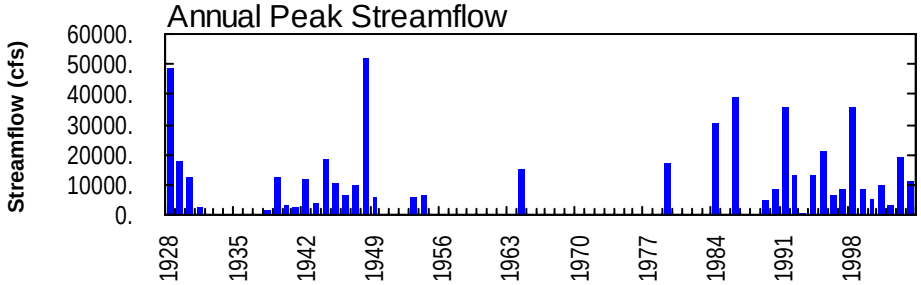
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



SUWANNEE RIVER BASIN
2004 Water Year

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA

LOCATION.—Lat 30°47'35", long 83°27'13", referenced to North American Datum (NAD) of 1983, Brooks-Lowndes County line, Hydrologic Unit 03110203, on downstream right bank pier of abandoned bridge on old US 84, 4.0 miles upstream from Piscola Creek, 6.0 miles east of Quitman, and 9.0 miles downstream from Little River.

DRAINAGE AREA.—1,480 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1928 to December 1931, June 1937 to May 1948, October 1988 to May 1992, June 1993 to current year.

REVISED RECORDS.—WSP 1304: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 84.30 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1928 to December 11, 1931, a non-recording gage was located at same site at datum 5.0 feet lower. From June 9, 1937 to May 31, 1948, a non-recording gage was located at same site and datum. From May 19, 1949 to March 1, 1954, a crest-stage gage was located at same site and datum. From September 29, 1988 to May 4, 1989, a water-stage recorder was located at a site 2,000 feet upstream at same datum.

REMARKS.—Records good. Maximum recorded discharge for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 1, 2004 and is not considered the peak discharge of the 2004 water year.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 2,500 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/03	1800	2,670	10.50
02/03	0015	2,840	10.91
02/19	2045	11,000*	22.53*
09/14	2345	5,940	17.08

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1928 to December 1931, June 1937 to May 1948, October 1988 to May 1992, June 1993 to current year.

GAGE.—Water-stage recorder. Datum of gage is 84.30 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1928 to December 11, 1931, a non-recording gage was located at same site at datum 5.0 feet lower. From June 9, 1937 to May 31, 1948, a non-recording gage was located at same site and datum. From May 19, 1949 to March 1, 1954, a crest-stage gage was located at same site and datum. From September 29, 1988 to May 4, 1989, a water-stage recorder was located at a site 2,000 feet upstream at same datum.

REMARKS.—Records good. Maximum recorded stage for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 1, 2004 and is not considered the peak stage of the 2004 water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.53 feet, February 19; minimum gage-height recorded, 1.82 feet, June 9.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 22, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

STATION NUMBER 02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304735 LONGITUDE 0832713 NAD83 DRAINAGE AREA 1480 CONTRIBUTING DRAINAGE AREA 1480* DATUM 84.30 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	226	1990	473	347	2350	4010	198	261	47	e1320	180	88
2	195	2350	458	336	2760	4180	182	198	77	e1410	246	121
3	168	2620	372	327	2790	4160	157	171	54	e1470	306	117
4	142	2530	294	e330	2470	3780	136	138	51	1340	291	96
5	121	2160	239	e314	1960	3010	123	111	42	1140	219	79
6	106	1580	202	314	1560	2210	118	97	31	e955	162	400
7	97	1130	180	312	1700	1730	117	161	28	e780	127	2820
8	91	836	179	e312	1770	1460	135	261	25	e622	104	3630
9	85	689	179	e277	2080	1270	147	295	e26	603	89	4130
10	82	585	189	e277	2460	1140	129	281	e71	e500	88	4970
11	89	514	222	e291	2870	1020	128	221	76	392	375	5550
12	117	457	252	e294	3350	917	129	171	72	e314	419	5680
13	98	408	291	e298	3860	831	136	168	148	e286	542	5660
14	89	365	485	e300	4440	756	139	129	232	e271	482	5860
15	88	340	565	e300	5120	691	147	105	219	e245	359	5860
16	92	318	594	294	5400	638	162	90	233	e213	308	5540
17	100	293	659	288	6100	595	161	79	240	e222	370	5230
18	106	270	678	292	8510	557	151	106	249	e393	554	4600
19	100	248	695	291	10800	529	130	72	284	e434	510	3790
20	91	213	e703	292	10400	502	105	64	256	e486	425	3060
21	81	212	e689	295	9030	481	93	54	262	e622	337	2490
22	74	241	649	292	7370	456	89	66	283	e524	289	2110
23	68	212	578	284	6010	425	83	154	250	e381	251	1800
24	63	222	530	269	4800	386	86	147	243	e355	268	1510
25	60	276	499	253	3850	348	101	107	232	e339	255	1240
26	57	254	466	298	3350	313	94	81	261	e351	228	1000
27	74	258	427	678	3320	289	96	66	415	e361	203	4550
28	171	291	394	703	3510	270	82	53	e763	e280	186	7040
29	685	321	373	1030	3770	249	77	43	e1150	e226	152	10800
30	1030	368	363	1450	---	228	193	36	e1390	e192	117	13400
31	1560	---	355	1870	---	214	---	32	---	167	91	---
TOTAL	6206	22551	13232	13508	127760	37645	3824	4018	7710	17194	8533	113221
MEAN	200	752	427	436	4406	1214	127	130	257	555	275	3774
MAX	1560	2620	703	1870	10800	4180	198	295	1390	1470	554	13400
MIN	57	212	179	253	1560	214	77	32	25	167	88	79
CFSM	0.14	0.51	0.29	0.29	2.98	0.82	0.09	0.09	0.17	0.37	0.19	2.55
IN.	0.16	0.57	0.33	0.34	3.21	0.95	0.10	0.10	0.19	0.43	0.21	2.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	739	600	853	1628	2359	3401	1889	596	459	773	876	554
MAX	5552	6921	7062	6492	6686	9536	11040	2767	1504	4962	4709	3774
(WY)	1995	1948	1948	1991	1995	2003	1948	1991	1991	1991	1991	2004
MIN	12.8	11.0	20.7	48.6	128	492	127	43.8	23.1	27.0	19.9	14.1
(WY)	1941	1941	1991	1989	1989	1938	2004	2002	1990	1990	1990	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	750982		375402			
ANNUAL MEAN	2057		1026		1142	
HIGHEST ANNUAL MEAN					3210	1991
LOWEST ANNUAL MEAN					200	2002
HIGHEST DAILY MEAN	18500	Mar 11	13400	Sep 30	61000	Apr 4 1948
LOWEST DAILY MEAN	57	Oct 26	25	Jun 8	6.7	Aug 11 2002
ANNUAL SEVEN-DAY MINIMUM	68	Oct 21	37	Jun 3	7.6	Nov 7 1940
MAXIMUM PEAK FLOW			14400	Sep 30	66000	Apr 4 1948
MAXIMUM PEAK STAGE			24.59	Sep 30	31.70	Apr 4 1948
INSTANTANEOUS LOW FLOW			23	Jun 9	5.8	Aug 12 2002
ANNUAL RUNOFF (CFSM)	1.39		0.693		0.772	
ANNUAL RUNOFF (INCHES)	18.88		9.44		10.49	
10 PERCENT EXCEEDS	4900		3350		3200	
50 PERCENT EXCEEDS	884		292		372	
90 PERCENT EXCEEDS	199		86		25	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304735 LONGITUDE 0832713 NAD83 DRAINAGE AREA 1480 CONTRIBUTING DRAINAGE AREA 1480* DATUM 84.30 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.10	8.86	4.19	3.66	9.75	13.43	2.96	3.27	2.03	---	2.87	2.33
2	2.94	9.76	4.13	3.62	10.71	13.78	2.87	2.96	2.25	---	3.20	2.53
3	2.80	10.40	3.77	3.57	10.79	13.74	2.74	2.82	2.09	---	3.48	2.51
4	2.66	10.19	3.42	---	10.03	12.96	2.62	2.63	2.06	7.10	3.41	2.38
5	2.53	9.28	3.17	---	8.78	11.27	2.55	2.47	1.99	6.50	3.07	2.27
6	2.44	7.77	2.98	3.52	7.73	9.40	2.52	2.38	1.90	---	2.77	3.65
7	2.38	6.47	2.87	3.51	8.09	8.18	2.51	2.75	1.87	---	2.57	10.80
8	2.34	5.51	2.86	---	8.28	7.44	2.61	3.27	1.84	---	2.43	12.64
9	2.30	5.00	2.86	---	9.08	6.90	2.68	3.43	---	4.69	2.33	13.67
10	2.28	4.63	2.91	---	10.01	6.48	2.58	3.37	---	---	2.32	15.31
11	2.33	4.35	3.08	---	10.96	6.11	2.58	3.08	2.25	3.86	3.78	16.38
12	2.51	4.13	3.23	---	12.03	5.78	2.58	2.82	2.21	---	3.97	16.62
13	2.39	3.92	3.41	---	13.12	5.50	2.62	2.80	2.68	---	4.46	16.57
14	2.34	3.75	4.22	---	14.30	5.24	2.64	2.58	3.13	---	4.23	16.93
15	2.33	3.63	4.55	---	15.59	5.01	2.68	2.44	3.06	---	3.71	16.93
16	2.35	3.54	4.66	3.42	16.10	4.82	2.77	2.34	3.14	---	3.49	16.36
17	2.40	3.42	4.90	3.40	17.36	4.66	2.76	2.26	3.17	---	3.76	15.79
18	2.44	3.31	4.97	3.42	20.33	4.52	2.71	2.44	3.22	---	4.50	14.60
19	2.40	3.21	5.03	3.42	22.30	4.41	2.59	2.22	3.38	---	4.34	12.96
20	2.34	3.04	---	3.42	22.04	4.31	2.43	2.16	3.25	---	4.00	11.39
21	2.28	3.03	---	3.43	20.84	4.22	2.36	2.08	3.27	---	3.62	10.09
22	2.23	3.18	4.86	3.42	19.23	4.12	2.33	2.17	3.38	---	3.40	9.15
23	2.19	3.03	4.60	3.38	17.19	4.00	2.29	2.72	3.22	---	3.22	8.37
24	2.15	3.08	4.42	3.31	14.98	3.83	2.31	2.68	3.18	---	3.31	7.59
25	2.13	3.35	4.29	3.23	13.09	3.67	2.41	2.44	3.13	---	3.24	6.79
26	2.11	3.24	4.16	3.43	12.03	3.51	2.37	2.28	3.27	---	3.11	6.06
27	2.23	3.26	4.00	4.96	11.97	3.40	2.37	2.17	3.95	---	2.99	14.31
28	2.72	3.41	3.87	5.05	12.38	3.32	2.29	2.08	---	---	2.89	18.72
29	4.99	3.55	3.78	6.14	12.93	3.22	2.25	2.00	---	---	2.71	22.27
30	6.15	3.75	3.74	7.41	---	3.11	2.88	1.94	---	---	2.50	24.10
31	7.72	---	3.70	8.56	---	3.04	---	1.90	---	2.79	2.34	---
MEAN	2.79	4.90	---	---	13.52	6.24	2.56	2.55	---	---	3.29	11.67
MAX	7.72	10.40	---	---	22.30	13.78	2.96	3.43	---	---	4.50	24.10
MIN	2.11	3.03	---	---	7.73	3.04	2.25	1.90	---	---	2.32	2.27

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304735 LONGITUDE 0832713 NAD83 DRAINAGE AREA 1480 CONTRIBUTING DRAINAGE AREA 1480* DATUM 84.30 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	1.02	0.57	0.00	0.32
2	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.02	0.26	0.04	0.00	0.01
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.94	0.00	0.00	0.00
4	0.00	2.37	0.04	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.08
5	0.00	0.00	0.00	0.03	0.00	---	0.00	0.00	0.00	0.00	0.00	0.61
6	0.00	0.00	0.00	0.00	1.14	---	0.00	0.00	0.00	0.00	0.00	3.84
7	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.55	0.00	1.09
8	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.37	0.00	0.00
9	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.77	1.41	0.00	0.00
10	0.01	0.00	0.37	0.00	0.11	0.00	0.00	0.00	0.66	0.00	2.71	0.18
11	1.16	0.00	0.00	0.00	0.30	0.00	0.00	0.25	0.04	0.00	0.69	0.00
12	0.21	0.00	0.00	0.00	0.25	0.00	0.00	0.61	0.00	0.00	1.37	0.00
13	0.00	0.00	0.02	0.00	0.48	0.00	0.17	0.01	0.16	0.00	0.28	0.41
14	0.04	0.00	1.18	0.00	1.60	0.00	0.00	0.00	0.66	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.33	0.47	0.39	0.00
16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.03	0.34	0.01	1.60
17	0.00	0.00	0.11	0.00	0.04	0.00	0.00	0.46	0.00	0.32	0.97	0.71
18	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.01	0.92	0.00	0.00
19	0.00	0.41	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.45	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.03	0.00
23	0.00	0.00	0.13	0.00	0.39	0.00	0.00	0.00	0.50	0.00	0.00	0.00
24	0.00	0.65	0.11	0.00	0.64	0.00	0.00	0.00	0.50	0.82	0.00	0.00
25	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.58	0.00	0.00	0.00
26	0.62	0.00	0.00	1.75	0.03	0.00	0.34	0.00	1.28	1.51	0.00	3.80
27	0.20	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.98	0.00	0.00	2.20
28	2.69	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00
30	0.00	0.00	0.13	0.00	---	0.12	0.83	0.00	0.01	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.01	---	0.84	---	0.00	0.00	---
TOTAL	5.08	4.15	2.09	2.26	6.12	---	1.62	2.25	10.30	7.35	7.05	14.85

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 30°47'35", long 83°27'13", referenced to North American Datum (NAD) of 1983, Brooks-Lowndes County line, Hydrologic Unit 03110203, on downstream right bank pier of abandoned bridge on old US 84, 4.0 miles upstream from Piscola Creek, 6.0 miles east of Quitman, and 9.0 miles downstream from Little River.

DRAINAGE AREA.—1,480 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment Program (NAWQA)

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 1934, August 1957 to May 1958, and July 1977 to current year.

REMARKS.—Datum of gage is 84.30 feet above National Geodetic Vertical Datum (NGVD) of 1929.

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT													
01...	1100	1028	80020	3.09	226	10	764	7.5	85	6.8	102	22.0	16
DEC													
02...	1250	1028	80020	4.13	458	10	766	10.3	93	5.5	86	10.9	11
JAN													
07...	1130	1028	80020	3.51	312	40	773	9.9	92	6.6	103	12.7	16
FEB													
26...	1130	1028	80020	12.00	3330	10	758	9.5	89	6.6	64	12.3	8
APR													
05...	1100	1028	80020	2.54	124	40	762	8.5	88	6.6	117	16.9	20
MAY													
04...	1200	1028	80020	2.85	136	40	762	7.4	75	7.2	103	16.0	16
JUN													
03...	1050	1028	80020	2.09	55	40	763	7.4	93	6.8	188	26.8	25
JUL													
01...	1130	1028	80020	7.06	1330	10	764	6.0	74	7.5	72	25.9	12
AUG													
04...	1000	1028	80020	3.43	297	40	756	6.1	82	6.9	84	29.7	14
SEP													
14...	1020	1028	80020	16.92	5850	10	760	4.5	54	6.0	67	24.6	5

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA—continued.

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
OCT													
01...	20	11.1	4.6	<.04	--	--	.57	--	<.008	.04	.297	.097	.148
DEC													
02...	14	10.8	4.9	<.04	--	--	.38	--	<.008	.07	.218	.071	.142
JAN													
07...	20	15.5	5.4	<.04	--	--	.47	--	<.008	.05	.248	.081	.159
FEB													
26...	10	8.30	3.6	<.04	--	--	.29	--	E.005	.08	.058	.019	.074
APR													
05...	24	14.1	6.2	<.04	--	--	.78	--	<.008	.03	.463	.151	.20
MAY													
04...	20	10.6	7.7	E.04	--	--	.91	--	E.005	.07	.454	.148	.23
JUN													
03...	30	21.8	14.6	<.04	10.2	2.31	2.31	.026	.008	.05	1.37	.446	.55
JUL													
01...	15	7.60	4.4	<.04	--	--	.31	--	E.004	.20	.126	.041	.146
AUG													
04...	16	10.6	4.3	<.04	--	--	.42	--	<.008	.05	.273	.089	.154
SEP													
14...	6	6.95	4.4	<.04	--	--	E.04	--	E.005	.13	.129	.042	.120

Date	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)
OCT													
01...	--	.3	.3	14.2	<.006	<.006	<.006	.005	<.005	.011	<.050	<.010	<.002
DEC													
02...	1.06	.7	.7	15.1	<.006	E.004	<.006	<.005	<.005	.065	<.050	<.010	<.004
JAN													
07...	.93	.8	.8	11.0	<.006	<.006	<.006	<.005	<.005	.014	<.050	<.010	<.004
FEB													
26...	.98	.8	.7	15.5	<.006	<.006	<.006	<.005	<.005	.119	<.050	<.010	<.004
APR													
05...	1.32	.3	.3	10.6	<.006	E.007	<.006	<.005	<.005	.064	<.050	<.010	<.004
MAY													
04...	1.54	.6	.6	10.2	<.006	E.011	<.006	<.005	<.005	.218	<.050	<.010	<.004
JUN													
03...	2.94	.2	.2	8.4	<.006	E.014	<.006	<.005	<.005	.090	<.050	<.010	<.004
JUL													
01...	1.09	2.2	2.2	15.7	<.006	E.007	<.006	<.005	<.005	.060	<.050	<.010	<.004
AUG													
04...	1.10	.5	.5	13.6	<.006	<.010	<.006	<.005	<.005	.047	<.050	<.010	<.004
SEP													
14...	1.10	1.0	1.0	24.1	<.006	<.006	<.006	<.005	<.005	.054	<.050	<.010	<.004

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA—continued.

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)
OCT													
01...	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005
DEC													
02...	E.005	<.020	<.005	<.006	<.018	.003	<.012	<.005	<.009	<.02	<.004	<.009	.007
JAN													
07...	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	.030	<.009	<.005
FEB													
26...	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005
APR													
05...	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005
MAY													
04...	E.050	<.020	<.005	<.006	<.018	<.003	E.003	.010	<.009	<.02	E.003	<.009	<.005
JUN													
03...	<.041	E.020	<.005	<.006	<.018	<.003	E.004	<.005	<.009	<.02	<.004	<.009	<.005
JUL													
01...	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005
AUG													
04...	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005
SEP													
14...	E.016	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005

Date	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)
OCT													
01...	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006	E.011	<.006	<.002	<.007
DEC													
02...	<.029	E.005	<.024	E.001	<.003	<.004	<.035	<.027	<.015	.062	<.006	<.003	<.007
JAN													
07...	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.010	<.006	<.003	<.007
FEB													
26...	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.013	<.006	<.003	<.007
APR													
05...	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.010	<.006	<.003	<.007
MAY													
04...	<.029	<.013	<.024	E.004	<.003	<.004	<.035	<.027	<.015	.110	<.006	<.003	<.007
JUN													
03...	E.004	<.013	E.005	<.016	<.003	<.004	<.035	<.027	<.015	.032	<.006	<.003	<.007
JUL													
01...	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.064	<.006	<.003	<.007
AUG													
04...	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.021	<.006	<.003	<.007
SEP													
14...	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.024	<.006	<.003	<.007

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA—continued.

Date	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Prosulfocarb, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)
OCT													
01...	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	.008	<.02	<.034
DEC													
02...	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.043	<.02	<.034
JAN													
07...	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.053	E.01	<.034
FEB													
26...	<.003	<.010	<.004	<.022	<.011	<.01	<.007	<.025	<.011	<.02	.106	<.02	<.034
APR													
05...	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.024	E.02	<.034
MAY													
04...	<.003	<.010	<.004	<.022	<.011	.04	<.004	<.025	<.011	<.02	.020	.02	<.034
JUN													
03...	<.003	<.010	<.004	<.022	<.011	<.01	<.009	<.025	<.011	<.02	.081	<.02	<.034
JUL													
01...	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.011	<.02	<.034
AUG													
04...	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.016	E.01	<.034
SEP													
14...	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	E.004	M	<.034

Date	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT							
01...	<.02	<.005	<.002	<.009	83	8	4.9
DEC							
02...	<.02	<.010	<.002	<.009	94	14	17
JAN							
07...	<.02	<.010	<.002	<.009	91	8	6.7
FEB							
26...	<.02	<.010	<.002	<.009	93	14	126
APR							
05...	<.02	<.010	<.002	<.009	100	4	1.3
MAY							
04...	<.02	<.010	<.002	<.009	89	11	4.0
JUN							
03...	<.02	<.010	<.002	<.009	--	--	--
JUL							
01...	<.02	<.010	<.002	<.009	--	--	--
AUG							
04...	<.02	<.010	<.002	<.009	--	--	--
SEP							
14...	<.02	<.010	<.002	<.009	--	--	--

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY								
20...	1045	80020	29.2	94	123.2	592	26	49.3

0Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

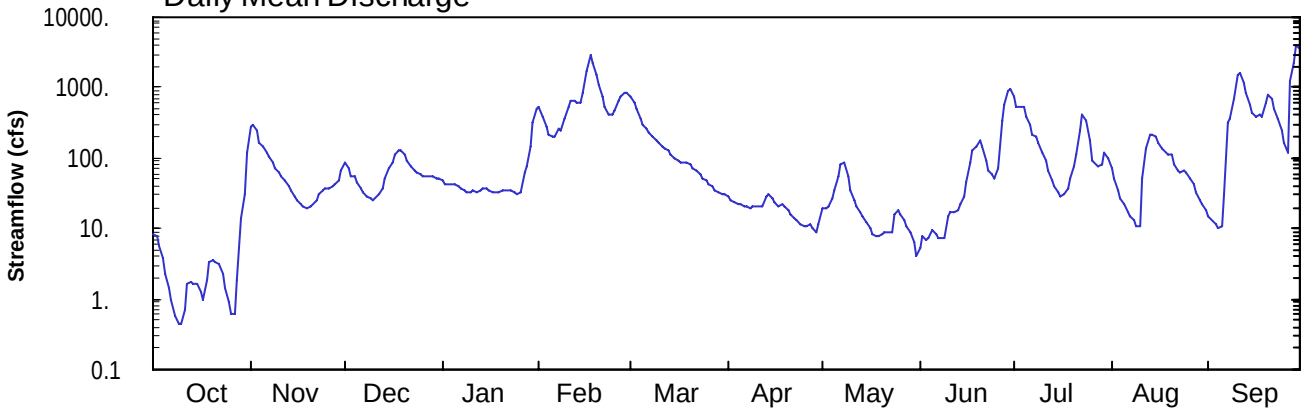
SUWANNEE RIVER BASIN

02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA

Latitude: 30°49'32" Longitude: 083°33'45" Hydrologic Unit Code: 03110203

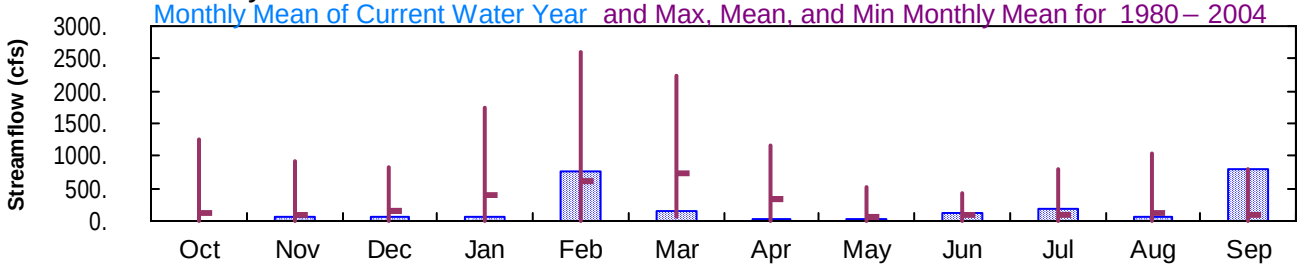
Brooks County Datum: 110.00 feet Drainage Area: 269. mi²

Daily Mean Discharge

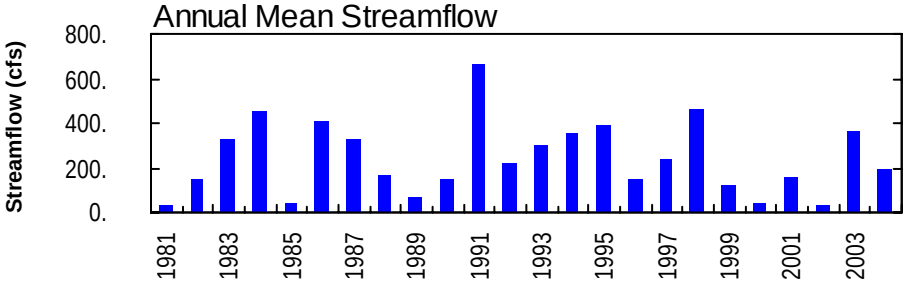


Monthly Statistics

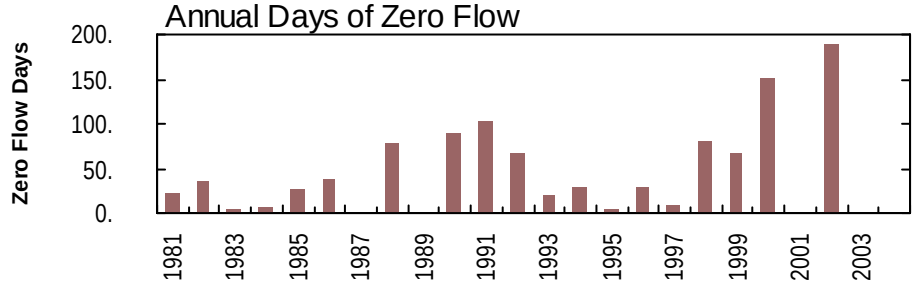
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1980 – 2004



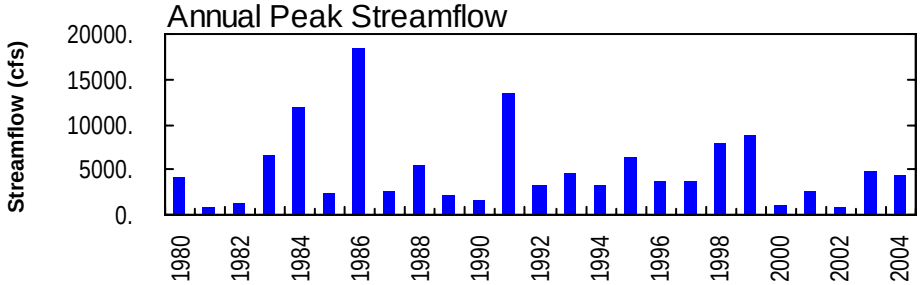
Annual Mean Streamflow

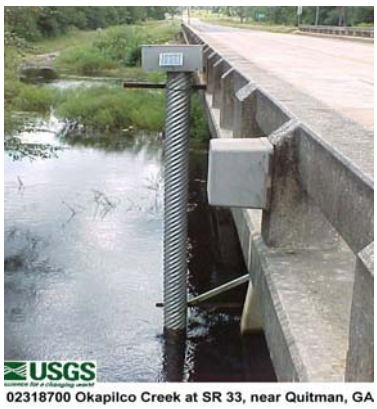


Annual Days of Zero Flow



Annual Peak Streamflow





02318700 Okapilco Creek at SR 33, near Quitman, GA

SUWANNEE RIVER BASIN
2004 Water Year

02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA

LOCATION.—Lat 30°49'32", long 83°33'45", referenced to North American Datum (NAD) of 1983, Brooks County, Hydrologic Unit 03110203, on downstream side of bridge pier on GA 333, 1.0 mile downstream from Coon Creek, and 3.0 mile north of Quitman.

DRAINAGE AREA.—269 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 110.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/17	1030	3,080	12.90
09/10	1830	1,770	11.89
09/29	1130	4,290*	13.55*

WATER-STAGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 110.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.55 feet, September 29; minimum gage-height recorded, 3.01 feet, May 31.

02318700 OKAPILCO CREEK AT GA 333, NEAR QUITMAN, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 27, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304932 LONGITUDE 0833345 NAD83 DRAINAGE AREA 269 CONTRIBUTING DRAINAGE AREA 269* DATUM 110.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	276	85	47	538	727	28	20	5.2	733	71	15
2	7.7	304	72	43	397	612	26	19	7.9	551	50	13
3	5.6	249	56	42	271	487	24	20	7.0	539	36	11
4	3.8	171	54	42	219	372	23	26	7.5	529	27	10
5	2.3	149	45	41	197	298	22	36	9.3	390	21	11
6	1.5	118	37	40	195	255	21	54	8.6	296	18	31
7	0.97	105	32	38	260	226	20	80	7.4	210	15	313
8	0.60	85	28	35	247	200	20	84	7.5	208	13	366
9	0.44	71	26	33	368	180	21	56	7.2	163	11	687
10	0.43	62	25	34	529	164	21	35	15	120	11	1560
11	0.69	54	28	34	646	149	20	26	17	92	53	1610
12	1.6	47	31	34	666	136	21	21	17	66	136	1190
13	1.8	41	37	35	592	124	28	17	19	49	220	835
14	1.6	35	53	37	609	109	31	15	22	40	218	583
15	1.7	29	72	37	868	102	27	12	29	32	198	438
16	1.3	25	88	35	1770	95	23	10	46	28	169	385
17	0.97	23	113	33	2950	89	21	8.5	85	30	136	410
18	1.9	20	125	33	2260	86	22	7.9	128	37	124	392
19	3.4	20	127	33	1550	89	20	7.8	147	52	114	629
20	3.7	21	111	34	1100	80	18	8.1	177	75	109	791
21	3.5	22	90	34	741	72	16	8.7	150	110	81	673
22	3.0	26	75	34	525	66	14	9.2	91	250	67	515
23	2.2	31	67	34	404	59	13	8.7	66	408	64	357
24	1.4	36	61	33	411	52	11	16	58	329	66	239
25	0.92	38	58	31	482	47	11	18	50	175	62	164
26	0.63	38	56	32	634	43	11	16	72	91	51	122
27	0.64	39	55	63	762	39	11	13	338	83	42	1280
28	1.8	43	53	74	851	36	10	11	565	74	32	2290
29	14	47	53	141	824	33	8.8	8.7	882	80	25	4100
30	31	65	53	314	---	31	12	6.2	993	122	22	3470
31	117	---	51	493	---	30	---	4.1	---	98	18	---
TOTAL	226.59	2290	1917	2023	21866	5088	574.8	682.9	4034.6	6060	2280	23490
MEAN	7.31	76.3	61.8	65.3	754	164	19.2	22.0	134	195	73.5	783
MAX	117	304	127	493	2950	727	31	84	993	733	220	4100
MIN	0.43	20	25	31	195	30	8.8	4.1	5.2	28	11	10
CFSM	0.03	0.28	0.23	0.24	2.80	0.61	0.07	0.08	0.50	0.73	0.27	2.91
IN.	0.03	0.32	0.27	0.28	3.02	0.70	0.08	0.09	0.56	0.84	0.32	3.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	130	91.6	166	403	624	738	328	65.4	86.8	103	129	92.0
MAX	1255	910	839	1735	2614	2223	1160	507	424	788	1031	783
(WY)	1995	1998	1986	1991	1986	1991	1983	1991	1994	1991	1994	2004
MIN	0.00	0.00	0.00	0.33	1.95	52.5	10.4	0.05	0.00	0.00	0.07	0.00
(WY)	1982	1991	1991	2002	1989	1985	1999	1999	1998	2000	2002	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	113544.39		70532.89			
ANNUAL MEAN	311		193		244	
HIGHEST ANNUAL MEAN					664	1991
LOWEST ANNUAL MEAN					31.3	2002
HIGHEST DAILY MEAN	4750	Mar 11	4100	Sep 29	14600	Feb 12 1986
LOWEST DAILY MEAN	0.43	Oct 10	0.43	Oct 10	0.00	Sep 6 1980
ANNUAL SEVEN-DAY MINIMUM	0.89	Oct 6	0.89	Oct 6	0.00	Sep 10 1980
MAXIMUM PEAK FLOW			4290	Sep 29	18500	Feb 12 1986
MAXIMUM PEAK STAGE			13.55	Sep 29	18.75	Feb 12 1986
INSTANTANEOUS LOW FLOW			0.39	Oct 9	0.39	Oct 9 2003
ANNUAL RUNOFF (CFSM)	1.16		0.716		0.907	
ANNUAL RUNOFF (INCHES)	15.70		9.75		12.32	
10 PERCENT EXCEEDS	769		538		674	
50 PERCENT EXCEEDS	109		46		31	
90 PERCENT EXCEEDS	8.2		7.9		0.00	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304932 LONGITUDE 0833345 NAD83 DRAINAGE AREA 269 CONTRIBUTING DRAINAGE AREA 269* DATUM 110.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.39	8.56	6.41	5.52	9.74	10.30	4.66	4.21	3.16	10.31	5.96	3.95
2	4.33	8.69	6.14	5.40	9.16	9.95	4.54	4.17	3.40	9.74	5.44	3.79
3	4.15	8.32	5.76	5.37	8.47	9.49	4.43	4.25	3.33	9.70	4.95	3.67
4	3.97	7.65	5.69	5.36	8.09	8.99	4.38	4.57	3.37	9.66	4.59	3.57
5	3.80	7.41	5.46	5.33	7.91	8.58	4.35	4.96	3.50	9.07	4.31	3.61
6	3.68	7.00	5.20	5.30	7.89	8.29	4.31	5.52	3.45	8.56	4.09	4.50
7	3.58	6.79	5.01	5.23	8.40	8.07	4.24	6.17	3.36	7.93	3.92	8.61
8	3.49	6.41	4.86	5.12	8.31	7.85	4.21	6.25	3.36	7.91	3.77	8.95
9	3.44	6.11	4.75	5.06	9.01	7.65	4.27	5.58	3.34	7.46	3.64	10.11
10	3.44	5.90	4.72	5.07	9.70	7.47	4.27	4.93	3.89	6.91	3.63	11.65
11	3.51	5.70	4.85	5.08	10.08	7.30	4.24	4.54	4.01	6.40	5.30	11.72
12	3.70	5.52	4.98	5.07	10.14	7.13	4.30	4.28	4.02	5.84	7.10	11.19
13	3.73	5.33	5.21	5.12	9.91	6.98	4.65	4.07	4.15	5.41	8.02	10.56
14	3.70	5.11	5.67	5.19	9.96	6.73	4.79	3.89	4.35	5.11	8.00	9.85
15	3.71	4.90	6.13	5.21	10.66	6.60	4.62	3.73	4.70	4.83	7.83	9.29
16	3.64	4.73	6.47	5.13	11.80	6.48	4.40	3.58	5.30	4.66	7.52	9.06
17	3.58	4.59	6.92	5.06	12.82	6.35	4.29	3.44	6.26	4.74	7.14	9.17
18	3.74	4.46	7.11	5.06	12.31	6.29	4.33	3.39	7.03	5.01	6.98	9.09
19	3.93	4.42	7.14	5.06	11.66	6.35	4.25	3.39	7.28	5.49	6.81	9.98
20	3.96	4.48	6.89	5.09	11.04	6.16	4.13	3.41	7.61	6.04	6.73	10.48
21	3.94	4.55	6.50	5.10	10.33	5.98	3.99	3.46	7.29	6.73	6.19	10.14
22	3.90	4.75	6.21	5.09	9.64	5.83	3.87	3.50	6.38	8.20	5.87	9.60
23	3.79	4.97	6.02	5.10	9.14	5.67	3.78	3.46	5.83	9.16	5.81	8.90
24	3.67	5.16	5.88	5.03	9.17	5.50	3.67	3.95	5.64	8.75	5.85	8.15
25	3.57	5.24	5.80	4.95	9.48	5.34	3.62	4.11	5.45	7.56	5.75	7.46
26	3.50	5.24	5.75	5.00	10.01	5.21	3.61	3.98	5.92	6.38	5.47	6.94
27	3.50	5.26	5.74	5.93	10.40	5.08	3.66	3.81	8.76	6.22	5.20	11.01
28	3.66	5.40	5.69	6.17	10.63	4.96	3.57	3.63	9.77	6.04	4.82	12.29
29	4.61	5.53	5.69	7.27	10.56	4.86	3.47	3.46	10.66	6.14	4.51	13.46
30	5.34	5.97	5.68	8.71	---	4.77	3.69	3.25	10.87	6.95	4.33	13.12
31	7.09	---	5.64	9.56	---	4.73	---	3.05	---	6.53	4.13	---
MEAN	3.94	5.80	5.81	5.54	9.88	6.80	4.15	4.13	5.51	7.08	5.60	8.80
MAX	7.09	8.69	7.14	9.56	12.82	10.30	4.79	6.25	10.87	10.31	8.02	13.46
MIN	3.44	4.42	4.72	4.95	7.89	4.73	3.47	3.05	3.16	4.66	3.63	3.57

WTR YR 2004 MEAN 6.07 MAX 13.46 MIN 3.05

OCHLOCKONEE RIVER BASIN
2004 Water Year

02327350 OCHLOCKONEE RIVER TRIBUTARY NEAR COOLIDGE, GA

LOCATION.—Lat 31°01'33", long 83°57'32", referenced to North American Datum (NAD) of 1927, Thomas County, Hydrologic Unit 03120002, at culvert on GA 202, 5.5 miles west of Coolidge.

DRAINAGE AREA.—1.81 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1964 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 200.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.14 feet, December 4, 1964
DISCHARGE: 789 cfs, December 4, 1964

MAXIMUM FOR CURRENT YEAR.—
STAGE: 1.92 feet, September 6
DISCHARGE: 126 cfs, September 6

OCHLOCKONEE RIVER BASIN
2004 Water Year

02327355 OCHLOCKONEE RIVER AT GA 188, NEAR COOLIDGE, GA

LOCATION.—Lat 31°00'08", long 83°56'21", referenced to North American Datum (NAD) of 1927, Thomas County, Hydrologic Unit 03120002, at GA 188, 4.0 miles west of Coolidge.

DRAINAGE AREA.—260 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1981 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 166.86 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 17.28 feet, March 7, 1984
DISCHARGE: 13,100 cfs, March 7, 1984

MAXIMUM FOR CURRENT YEAR.—
STAGE: 13.01 feet, February 15
DISCHARGE: 3,040 cfs, February 15

OCHLOCKONEE RIVER BASIN
2003 Water Year

02327415 LITTLE OCHLOCKONEE RIVER AT GA 111, NEAR MOULTRIE, GA

LOCATION.—Lat 31°07'02", long 83°58'42", referenced to North American Datum (NAD) of 1927, Colquitt County, Hydrologic Unit 03120002, at GA 111, 10.0 miles west of Moultrie.

DRAINAGE AREA.—44.8 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1981 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 218.65 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 10.29 feet, March 9, 1998
DISCHARGE: 6,660 cfs, March 9, 1998

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.70 feet, June 29
DISCHARGE: 1,470 cfs, June 29

2004 Water Year

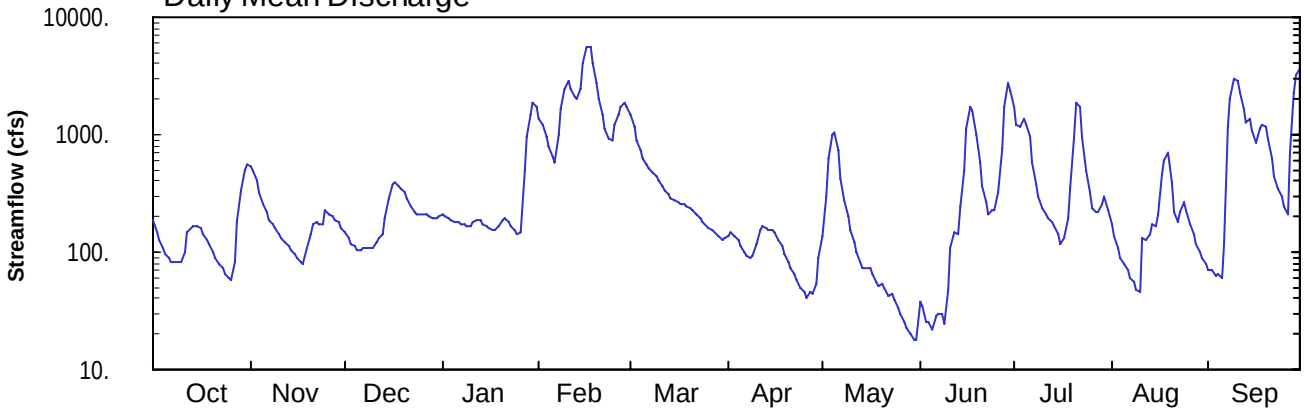
OCHLOCKONEE RIVER BASIN

02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA

Latitude: 30°52'32" Longitude: 084°02'44" Hydrologic Unit Code: 03120002

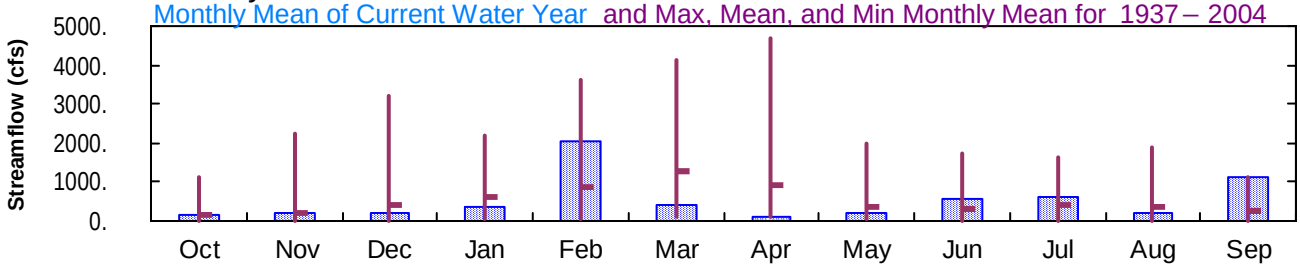
Thomas County Datum: 133.60 feet Drainage Area: 550. mi²

Daily Mean Discharge

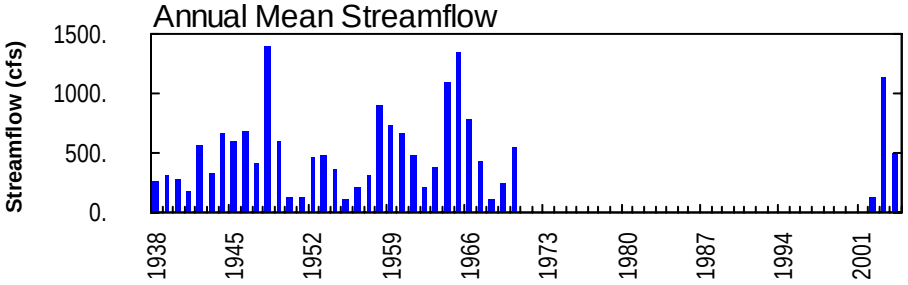


Monthly Statistics

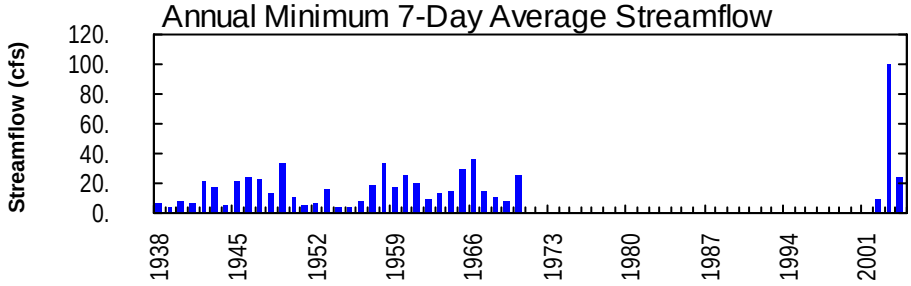
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004

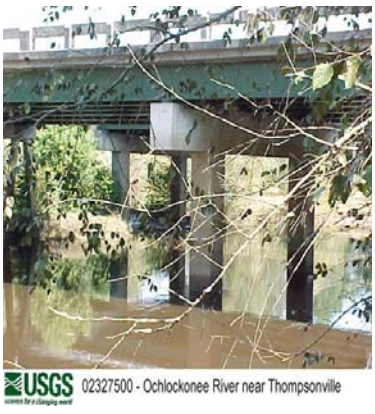


Annual Mean Streamflow

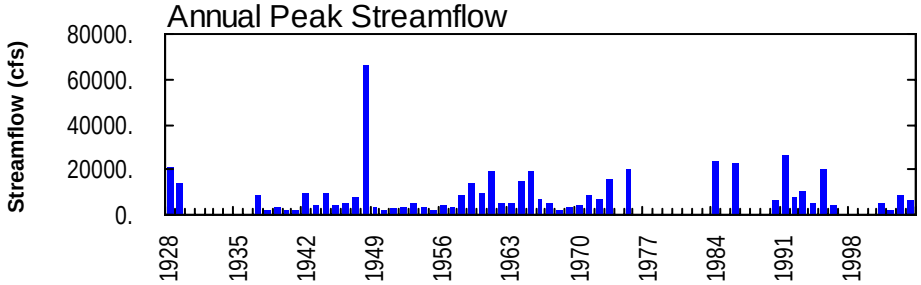


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



OCHLOCKONEE RIVER BASIN
2004 Water Year

02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA

LOCATION.—Lat. 30°52'32", long. 84°02'44", referenced to North American Datum (NAD) of 1927, Thomas County, on downstream side of left bank pier of bridge on US 84, 2.0 miles upstream from Seaboard Coast Line Railroad bridge, 4.0 miles upstream from Barnetts Creek, 5.0 miles northwest of Thomasville, and 6.0 miles downstream from Little Ochlocknee River.

DRAINAGE AREA.—550 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1937 to June 1971, October 2000 to current year.

REVISED RECORDS.—WSP 1112: 1937, 1939, 1945 (M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 133.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 7, 1947, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1937 to June 1971, October 2000 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 133.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 7, 1947, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.51 feet, February 16; minimum gage-height recorded, 1.59 feet, May 30, 31.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 275
LATITUDE 305232 LONGITUDE 0840244 NAD27 DRAINAGE AREA 550.00* CONTRIBUTING DRAINAGE AREA DATUM 133.60 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	545	147	209	1390	1450	137	134	37	1720	174	72
2	149	489	132	204	1200	1150	145	301	35	1230	137	69
3	126	402	119	196	972	904	137	625	25	1170	109	63
4	109	328	111	185	790	740	124	995	25	1340	89	65
5	97	260	105	178	653	629	111	1040	22	1220	80	61
6	89	215	102	177	580	560	101	720	28	949	71	117
7	82	188	106	173	1000	519	93	424	30	571	61	1160
8	83	172	107	171	1650	484	89	275	30	381	55	2050
9	81	157	107	168	2460	443	92	199	24	299	47	3040
10	82	142	108	167	2830	404	119	151	47	239	45	2920
11	101	131	123	177	2430	367	153	119	106	212	132	2240
12	148	122	130	188	2080	336	169	98	148	192	125	1640
13	161	112	144	186	2010	309	161	83	142	177	140	1270
14	164	103	193	176	2480	287	155	73	241	167	173	1370
15	167	95	288	167	4120	272	156	73	491	144	169	1090
16	158	88	374	159	5630	260	146	73	1110	118	210	857
17	143	81	393	152	5500	255	127	65	1720	132	463	1110
18	129	79	367	153	4140	254	110	56	1590	197	593	1200
19	116	109	350	164	2790	248	95	52	1010	352	710	1170
20	102	140	326	188	1990	236	83	54	572	909	391	909
21	90	172	290	194	1460	227	74	49	363	1850	217	628
22	81	183	246	182	1130	212	65	43	261	1760	176	449
23	73	174	218	165	908	196	58	43	213	976	217	354
24	66	175	210	151	900	180	50	39	223	490	269	299
25	60	230	207	140	1190	168	45	34	227	323	229	250
26	57	214	212	146	1460	162	41	29	320	241	175	211
27	84	203	213	497	1720	155	47	26	758	215	141	698
28	180	186	205	946	1840	145	45	23	1700	222	116	2270
29	340	182	194	1450	1710	134	54	20	2720	256	99	3170
30	486	161	191	1870	---	129	90	18	2390	297	90	3610
31	559	---	199	1710	---	131	---	18	---	230	78	---
TOTAL	4549	5838	6217	10989	59013	11946	3072	5952	16608	18579	5781	34412
MEAN	147	195	201	354	2035	385	102	192	554	599	186	1147
MAX	559	545	393	1870	5630	1450	169	1040	2720	1850	710	3610
MIN	57	79	102	140	580	129	41	18	22	118	45	61
CFSM	0.27	0.35	0.36	0.64	3.70	0.70	0.19	0.35	1.01	1.09	0.34	2.09
IN.	0.31	0.39	0.42	0.74	3.99	0.81	0.21	0.40	1.12	1.26	0.39	2.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	161	195	416	602	889	1275	921	374	319	394	356	248
MAX	1108	2266	3213	2173	3638	4128	4692	1987	1716	1637	1896	1147
(WY)	1965	1948	1965	1964	1965	2003	1948	1964	1965	1945	2003	2004
MIN	4.76	5.73	9.95	28.1	54.1	78.1	95.6	37.6	20.5	18.6	10.6	4.68
(WY)	1955	1939	1939	1939	1957	1955	1968	2002	2002	1954	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	354471		182956			
ANNUAL MEAN	971		500		508	
HIGHEST ANNUAL MEAN					1404	1948
LOWEST ANNUAL MEAN					110	1955
HIGHEST DAILY MEAN	8390	Mar 10	5630	Feb 16	57400	Apr 2 1948
LOWEST DAILY MEAN	57	Oct 26	18	May 30 a	2.6	Oct 17 1938
ANNUAL SEVEN-DAY MINIMUM	73	Oct 21	24	May 25	3.9	Oct 19 1954
MAXIMUM PEAK FLOW			6000	Feb 16	8770	Mar 10 2003
MAXIMUM PEAK STAGE			15.51	Feb 16	17.11	Mar 10 2003
INSTANTANEOUS LOW FLOW			16	May 31	6.2	Sep 13 2002
ANNUAL RUNOFF (CFSM)	1.77		0.909		0.924	
ANNUAL RUNOFF (INCHES)	23.98		12.37		12.56	
10 PERCENT EXCEEDS	2570		1450		1270	
50 PERCENT EXCEEDS	410		182		162	
90 PERCENT EXCEEDS	107		61		19	

a Also May 31

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 275
LATITUDE 305232 LONGITUDE 0840244 NAD27 DRAINAGE AREA 550.00* CONTRIBUTING DRAINAGE AREA DATUM 133.60 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.41	7.30	4.08	4.83	10.16	10.71	3.94	3.91	2.15	11.28	4.46	2.89
2	3.92	6.99	3.87	4.77	9.68	9.94	4.06	5.83	2.11	10.15	3.94	2.84
3	3.58	6.46	3.68	4.67	9.03	9.17	3.95	7.99	1.85	10.01	3.52	2.73
4	3.32	5.88	3.55	4.56	8.39	8.54	3.76	9.47	1.85	10.46	3.20	2.76
5	3.13	5.28	3.45	4.46	7.83	8.05	3.56	9.61	1.77	10.13	3.04	2.68
6	2.99	4.82	3.42	4.45	7.47	7.69	3.40	8.43	1.94	9.31	2.88	3.49
7	2.88	4.50	3.48	4.41	9.07	7.47	3.26	6.86	1.97	7.73	2.67	9.70
8	2.89	4.30	3.49	4.39	10.70	7.27	3.20	5.65	1.99	6.58	2.56	11.95
9	2.86	4.13	3.49	4.35	12.18	7.03	3.25	4.79	1.83	5.88	2.39	13.41
10	2.86	3.93	3.50	4.33	12.70	6.77	3.67	4.14	2.35	5.29	2.35	13.28
11	3.20	3.78	3.74	4.45	12.16	6.48	4.18	3.68	3.47	4.97	3.86	12.30
12	3.90	3.66	3.84	4.59	11.55	6.22	4.40	3.35	4.10	4.70	3.76	11.12
13	4.08	3.52	4.05	4.56	11.42	5.98	4.30	3.10	4.02	4.51	3.98	10.26
14	4.12	3.38	4.63	4.45	12.16	5.77	4.21	2.91	5.29	4.37	4.45	10.53
15	4.16	3.26	5.57	4.33	14.06	5.62	4.21	2.92	7.22	4.05	4.40	9.76
16	4.04	3.14	6.26	4.24	15.26	5.52	4.07	2.91	9.78	3.66	4.92	9.00
17	3.83	3.04	6.41	4.15	15.21	5.47	3.80	2.76	11.29	3.87	7.13	9.82
18	3.63	3.01	6.21	4.16	14.28	5.46	3.54	2.59	11.01	4.77	7.84	10.10
19	3.43	3.50	6.07	4.30	13.09	5.38	3.29	2.49	9.49	6.25	8.41	9.99
20	3.21	3.99	5.88	4.58	11.83	5.27	3.08	2.55	7.73	9.11	6.60	9.18
21	3.02	4.40	5.59	4.65	10.73	5.16	2.92	2.43	6.43	11.54	5.01	8.03
22	2.85	4.53	5.21	4.51	9.88	4.97	2.76	2.29	5.51	11.36	4.50	7.05
23	2.71	4.42	4.92	4.32	9.18	4.76	2.61	2.31	4.99	9.36	5.03	6.37
24	2.58	4.43	4.84	4.14	9.15	4.55	2.46	2.22	5.11	7.28	5.60	5.88
25	2.46	5.06	4.80	3.99	10.07	4.39	2.35	2.09	5.17	6.10	5.18	5.41
26	2.40	4.88	4.86	4.06	10.72	4.31	2.25	1.97	6.05	5.30	4.47	4.95
27	2.87	4.75	4.88	6.92	11.29	4.20	2.38	1.87	8.55	5.01	4.00	7.78
28	4.33	4.56	4.78	8.92	11.52	4.06	2.34	1.79	11.21	5.10	3.63	12.33
29	5.97	4.51	4.65	10.27	11.27	3.91	2.54	1.72	13.05	5.47	3.36	13.55
30	6.97	4.27	4.62	11.14	---	3.82	3.17	1.65	12.56	5.86	3.21	13.95
31	7.37	---	4.72	10.83	---	3.85	---	1.64	---	5.18	3.00	---
MEAN	3.68	4.46	4.60	5.25	11.10	6.06	3.36	3.80	5.73	6.92	4.30	8.44
MAX	7.37	7.30	6.41	11.14	15.26	10.71	4.40	9.61	13.05	11.54	8.41	13.95
MIN	2.40	3.01	3.42	3.99	7.47	3.82	2.25	1.64	1.77	3.66	2.35	2.68

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 275
LATITUDE 305232 LONGITUDE 0840244 NAD27 DRAINAGE AREA 550.00* CONTRIBUTING DRAINAGE AREA DATUM 133.60 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.48	0.03	0.00	0.45	0.25	0.08	0.00	0.88
2	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.38	0.19	0.08	0.00	0.04
3	0.05	0.00	0.00	0.00	0.02	0.03	0.00	0.14	0.45	0.03	0.02	0.00
4	0.00	0.21	0.03	0.00	0.00	0.00	0.02	0.13	0.07	0.02	0.00	0.01
5	0.00	0.09	0.00	0.13	0.00	0.03	0.00	0.01	0.20	0.00	0.05	0.77
6	0.00	0.00	0.00	0.00	1.15	0.06	0.00	0.00	0.07	0.06	0.00	4.32
7	0.31	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.13	0.00	0.00	0.05
8	0.01	0.00	0.00	0.02	0.00	0.08	0.16	0.00	0.16	0.26	0.00	0.00
9	0.02	0.00	0.01	0.12	0.02	0.16	0.03	0.01	0.00	0.02	0.00	0.00
10	0.02	0.04	0.45	0.00	0.10	0.03	0.00	0.00	0.32	0.07	1.46	0.07
11	0.96	0.00	0.00	0.00	0.25	0.00	0.00	0.09	0.06	0.00	0.06	0.12
12	0.55	0.02	0.00	0.00	0.76	0.00	0.17	0.10	0.05	0.08	0.60	0.01
13	0.02	0.12	0.28	0.00	0.30	0.00	0.26	0.04	1.09	0.36	0.42	0.94
14	0.00	0.00	0.41	0.02	1.54	0.00	0.02	0.00	0.37	0.06	0.09	0.05
15	0.00	0.00	0.00	0.00	0.03	0.00	0.05	0.04	0.08	0.09	0.31	0.02
16	0.03	0.00	0.00	0.00	0.00	0.07	0.03	0.00	0.00	0.84	0.59	1.57
17	0.00	0.02	0.13	0.00	0.00	0.00	0.00	0.11	0.00	0.01	0.06	0.01
18	0.00	0.10	0.00	0.34	0.01	0.01	0.00	0.03	0.13	0.41	0.12	0.00
19	0.00	1.04	0.00	0.00	0.00	0.02	0.04	0.38	0.07	0.05	0.11	0.00
20	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.15	0.01
21	0.07	0.00	0.00	0.00	0.06	0.00	0.02	0.10	0.05	0.00	0.06	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.50	0.00	0.56	0.00
23	0.00	0.01	0.30	0.00	0.72	0.00	0.09	0.00	0.64	0.00	0.06	0.00
24	0.06	0.90	0.02	0.00	0.51	0.00	0.00	0.00	0.05	0.03	0.15	0.02
25	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.51	0.00	0.08	0.00
26	0.57	0.00	0.00	1.40	0.10	0.00	0.34	0.00	1.22	0.50	0.14	1.12
27	1.15	0.00	0.00	0.04	0.03	0.00	0.00	0.03	1.03	0.08	0.00	2.42
28	1.43	0.46	0.00	0.00	0.00	0.03	0.01	0.00	0.07	0.69	0.00	0.12
29	0.03	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.51	0.06	0.01	0.00
30	0.00	0.00	0.18	0.00	---	0.41	1.47	0.01	0.18	0.00	0.05	0.15
31	0.00	---	0.00	0.00	---	0.00	---	1.06	---	0.08	0.00	---
TOTAL	5.28	3.02	1.81	2.07	6.39	0.97	2.83	3.15	8.49	3.96	5.15	12.70

OCHLOCKONEE RIVER BASIN
2004 Water Year

02327860 POPPLE BRANCH AT GA 179, NEAR WHIGHAM, GA

LOCATION.—Lat 30°55'36", long 84°20'18", referenced to North American Datum (NAD) of 1927, Grady County, Hydrologic Unit 03120002, at culvert on GA 179, 3.2 miles north of Whigham.

DRAINAGE AREA.—1.71 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 245.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—

STAGE: 6.92 feet, February 11, 1986
DISCHARGE: 609 cfs, February 11, 1986

MAXIMUM FOR CURRENT YEAR.—

STAGE: 1.94 feet, September 6
DISCHARGE: unknown, due to backwater conditions from beaver dam

2004 Water Year

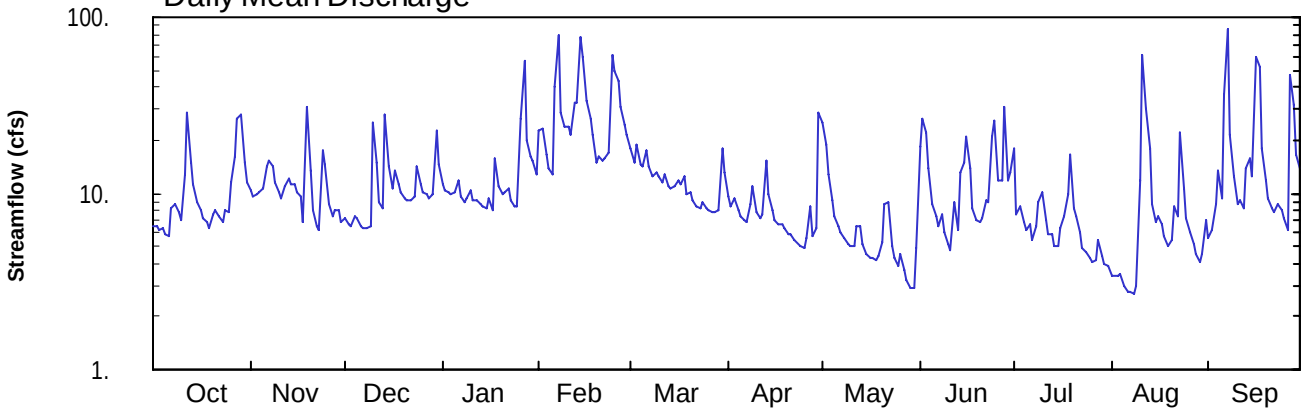
OCHLOCKONEE RIVER BASIN

02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA

Latitude: 30°44'08" Longitude: 084°29'49" Hydrologic Unit Code: 03120003

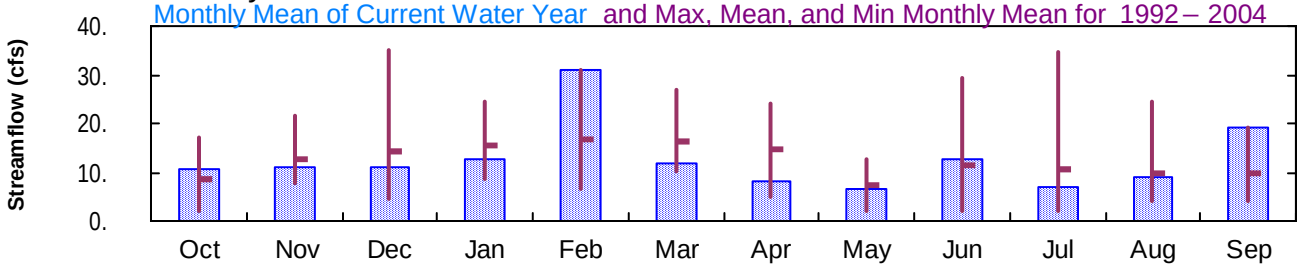
Decatur County Datum: 165 feet Drainage Area: 16.9 mi^2

Daily Mean Discharge

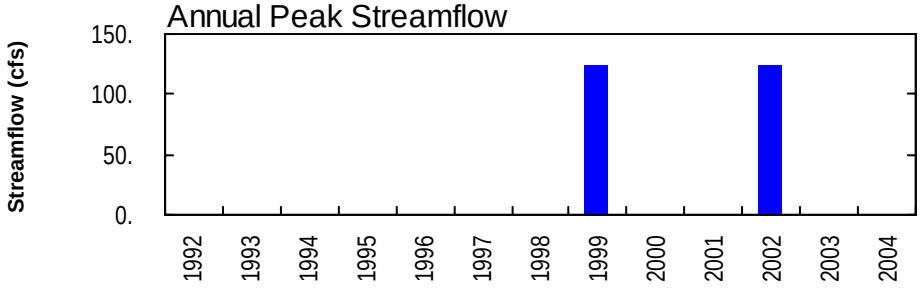


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1992 – 2004



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

OCHLOCKONEE RIVER BASIN
2004 Water Year

02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA

LOCATION.—Lat 30°44'08", long 84°29'49", referenced to North American Datum (NAD) of 1927, Decatur County, Hydrologic Unit 03120003, on left bank 50.0 feet downstream from flood-damaged weir at Engelhard Corporation, 1.2 miles southwest of Attapulgus, and 3.6 miles above mouth.

DRAINAGE AREA.—16.9 square miles.

COOPERATION.—City of Attapulgus.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1991 to current year, discharge less than 125 cfs only.

REVISED RECORD.—WDR GA-94-1: 1992, 1993, 2000.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 165.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Low-water continuous streamflow up to 5.50 feet in gage-height only is published.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 6.11 feet, February 7; minimum daily discharge, 2.70 cfs, August 7, 8.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1991 to current year, discharge less than 125 cfs only.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 165.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.11 feet, February 7; minimum gage-height recorded, 1.82 feet, August 6-10.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 304408 LONGITUDE 0842949 NAD83 DRAINAGE AREA 16.9* CONTRIBUTING DRAINAGE AREA DATUM 165 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	10	7.2	11	23	18	9.6	25	19	18	3.4	5.6
2	6.5	9.7	6.8	10	23	15	8.4	19	27	7.6	3.4	6.2
3	6.2	9.9	6.5	10	17	19	9.4	13	22	8.4	3.4	8.6
4	6.3	10	7.4	9.9	14	14	8.0	9.1	14	6.8	3.5	14
5	5.8	11	7.3	10	13	14	7.3	7.4	8.6	6.1	3.0	9.5
6	5.7	14	6.5	12	e40	18	7.0	6.5	7.4	6.6	2.8	36
7	8.1	15	6.4	9.6	e80	14	6.9	6.0	6.6	5.5	2.7	e85
8	8.7	14	6.3	8.8	29	13	8.6	5.6	7.6	6.5	2.7	22
9	7.7	12	6.5	9.4	24	13	11	5.2	6.0	9.0	3.0	12
10	7.0	10	25	10	24	13	7.7	5.0	5.1	10	12	8.6
11	13	9.4	15	9.2	22	12	7.3	5.0	4.8	7.1	62	9.2
12	29	11	9.0	9.0	33	13	7.7	6.5	9.0	5.9	30	8.2
13	15	12	8.3	8.7	33	11	15	6.5	6.2	5.9	18	14
14	11	11	28	8.5	78	11	9.9	5.1	13	5.0	8.6	16
15	8.8	11	14	8.3	60	11	7.9	4.5	15	5.1	6.9	13
16	8.0	10	11	9.5	33	12	7.1	4.3	21	6.3	7.5	60
17	7.2	9.5	14	8.0	26	11	6.8	4.3	14	7.5	6.6	52
18	6.9	6.9	11	16	21	12	6.6	4.1	8.3	10	5.7	18
19	6.4	31	10	11	15	9.9	6.4	4.4	7.1	17	5.0	12
20	7.6	14	9.3	9.8	16	10	5.9	5.3	6.9	8.3	5.5	9.4
21	7.9	8.1	9.0	10	15	9.1	5.8	8.7	7.2	7.3	8.4	8.3
22	7.5	6.5	9.2	11	16	8.4	5.5	8.9	9.0	6.0	7.3	7.8
23	6.9	6.1	9.5	9.2	17	8.2	5.3	5.1	8.8	4.9	22	8.6
24	8.0	17	14	8.5	61	8.9	5.0	4.3	21	4.7	11	8.1
25	7.8	15	11	8.4	49	8.2	4.9	3.8	26	4.3	7.2	7.2
26	12	8.6	10	27	44	8.0	5.6	4.5	12	4.1	6.0	6.1
27	16	7.3	9.8	56	31	7.9	8.5	3.6	12	4.2	5.2	47
28	26	8.0	9.4	20	25	7.8	5.7	3.2	31	5.4	4.5	32
29	28	8.0	9.9	16	22	8.0	6.3	2.9	12	4.3	4.1	17
30	15	6.8	23	16	---	18	29	2.9	13	3.9	4.6	14
31	12	---	15	13	---	13	---	4.9	---	3.8	7.0	---
TOTAL	328.5	332.8	345.3	393.8	904	369.4	246.1	204.6	380.6	215.5	283.0	575.4
MEAN	10.6	11.1	11.1	12.7	31.2	11.9	8.20	6.60	12.7	6.95	9.13	19.2
MAX	29	31	28	56	80	19	29	25	31	18	62	85
MIN	5.7	6.1	6.3	8.0	13	7.8	4.9	2.9	4.8	3.8	2.7	5.6
CFSM	0.63	0.66	0.66	0.75	1.84	0.71	0.49	0.39	0.75	0.41	0.54	1.13
IN.	0.72	0.73	0.76	0.87	1.99	0.81	0.54	0.45	0.84	0.47	0.62	1.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	8.47	12.7	14.3	15.6	16.9	16.2	14.8	7.52	11.3	10.7	9.78	9.69
MAX	17.1	21.5	35.0	24.7	31.2	27.0	24.3	12.6	29.3	34.9	24.3	19.2
(WY)	1996	1995	1998	1995	2004	1992	2003	1997	1994	1994	2003	2004
MIN	2.24	7.59	4.33	8.59	6.55	10.0	5.08	2.08	2.14	1.94	4.03	4.11
(WY)	2001	2001	2002	2000	2001	2000	2000	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2004 WATER YEAR			WATER YEARS 1992 - 2004		
ANNUAL TOTAL	4579.0					
ANNUAL MEAN	12.5			12.5		
HIGHEST ANNUAL MEAN				12.5		2004
LOWEST ANNUAL MEAN				12.5		2004
HIGHEST DAILY MEAN	85	Sep 7		104	Apr 8	2003
LOWEST DAILY MEAN	2.7	Aug 7 a		0.22	Jun 11	2000
ANNUAL SEVEN-DAY MINIMUM	3.0	Aug 3		0.40	Jun 8	2000
MAXIMUM PEAK STAGE	6.11	Feb 7		13.95	Oct 2	1994
ANNUAL RUNOFF (CFSM)	0.740			0.740		
ANNUAL RUNOFF (INCHES)	10.08			10.06		
10 PERCENT EXCEEDS	24			24		
50 PERCENT EXCEEDS	9.0			9.0		
90 PERCENT EXCEEDS	5.0			5.0		

e Estimated
a Also Aug 8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 304408 LONGITUDE 0842949 NAD83 DRAINAGE AREA 16.9* CONTRIBUTING DRAINAGE AREA DATUM 165 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.06	2.22	2.09	2.25	2.65	2.50	2.19	2.74	2.51	2.48	1.87	2.02
2	2.06	2.19	2.07	2.22	2.68	2.40	2.14	2.53	2.80	2.07	1.86	2.04
3	2.04	2.20	2.05	2.21	2.46	2.54	2.18	2.32	2.65	2.12	1.87	2.14
4	2.05	2.21	2.09	2.20	2.36	2.38	2.12	2.17	2.35	2.04	1.87	2.35
5	2.03	2.24	2.09	2.21	2.32	2.38	2.09	2.10	2.15	2.01	1.84	2.18
6	2.02	2.37	2.06	2.28	3.24	2.49	2.08	2.06	2.09	2.03	1.83	3.03
7	2.12	2.42	2.05	2.19	4.23	2.38	2.07	2.03	2.06	1.98	1.83	4.51
8	2.15	2.37	2.05	2.16	2.86	2.31	2.15	2.02	2.11	2.03	1.83	2.63
9	2.11	2.27	2.06	2.18	2.71	2.32	2.25	2.00	2.04	2.14	1.84	2.30
10	2.08	2.21	2.71	2.22	2.71	2.31	2.11	1.99	1.99	2.18	2.17	2.15
11	2.30	2.18	2.39	2.17	2.64	2.27	2.09	1.99	1.98	2.05	3.85	2.17
12	2.86	2.25	2.16	2.16	3.00	2.31	2.11	2.05	2.16	2.00	2.90	2.13
13	2.40	2.29	2.13	2.15	2.99	2.24	2.41	2.06	2.05	2.00	2.49	2.34
14	2.25	2.26	2.83	2.14	4.27	2.23	2.20	1.99	2.33	1.96	2.14	2.42
15	2.16	2.26	2.37	2.13	3.80	2.24	2.12	1.97	2.40	1.96	2.07	2.30
16	2.12	2.21	2.23	2.18	3.01	2.27	2.08	1.96	2.60	2.02	2.10	3.73
17	2.09	2.18	2.34	2.12	2.79	2.25	2.07	1.96	2.36	2.07	2.06	3.56
18	2.08	2.08	2.26	2.43	2.62	2.30	2.06	1.95	2.13	2.18	2.02	2.51
19	2.05	2.91	2.21	2.24	2.40	2.20	2.05	1.96	2.08	2.45	1.99	2.27
20	2.11	2.34	2.18	2.20	2.45	2.21	2.03	2.00	2.08	2.11	2.01	2.18
21	2.12	2.12	2.17	2.21	2.41	2.17	2.03	2.14	2.09	2.06	2.14	2.13
22	2.10	2.06	2.17	2.23	2.43	2.14	2.01	2.15	2.16	2.00	2.09	2.11
23	2.07	2.04	2.18	2.17	2.47	2.13	2.00	1.99	2.15	1.95	2.63	2.15
24	2.12	2.46	2.36	2.14	3.85	2.16	1.99	1.96	2.61	1.93	2.23	2.13
25	2.11	2.38	2.25	2.14	3.51	2.13	1.99	1.93	2.77	1.92	2.09	2.09
26	2.26	2.15	2.21	2.73	3.34	2.12	2.01	1.96	2.27	1.91	2.03	2.04
27	2.44	2.09	2.20	3.67	2.93	2.12	2.14	1.92	2.27	1.91	2.00	3.39
28	2.78	2.12	2.18	2.58	2.74	2.11	2.02	1.90	2.92	1.97	1.96	2.96
29	2.83	2.12	2.20	2.44	2.64	2.12	2.05	1.88	2.26	1.92	1.95	2.46
30	2.39	2.07	2.67	2.42	---	2.51	2.85	1.88	2.31	1.90	1.97	2.36
31	2.27	---	2.38	2.31	---	2.33	---	1.97	---	1.89	2.08	---
MEAN	2.21	2.24	2.24	2.29	2.91	2.28	2.12	2.05	2.29	2.04	2.12	2.49
MAX	2.86	2.91	2.83	3.67	4.27	2.54	2.85	2.74	2.92	2.48	3.85	4.51
MIN	2.02	2.04	2.05	2.12	2.32	2.11	1.99	1.88	1.98	1.89	1.83	2.02

2004 Water Year

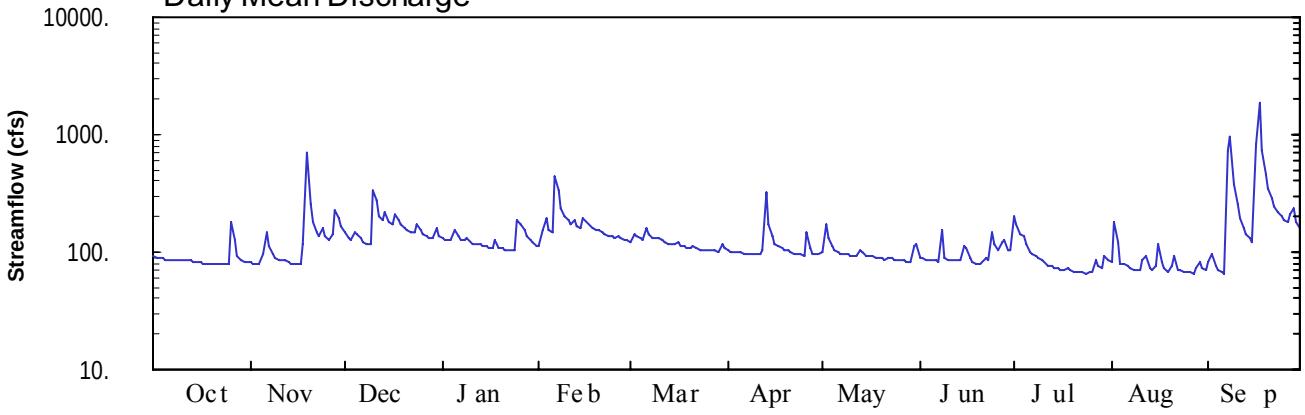
APALACHICOLA RIVER BASIN

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA

Latitude: 34°42'03" Longitude: 083°43'44" Hydrologic Unit Code: 03130001

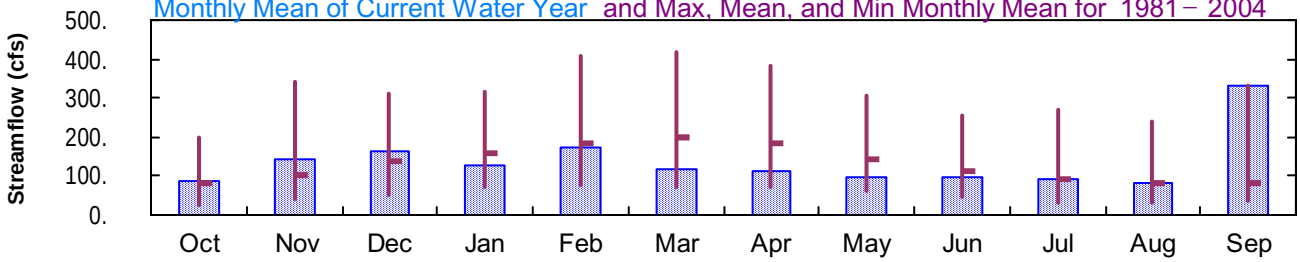
White County Datum: 1404.04 feet Drainage Area: 44.7 mi²

Daily Mean Discharge

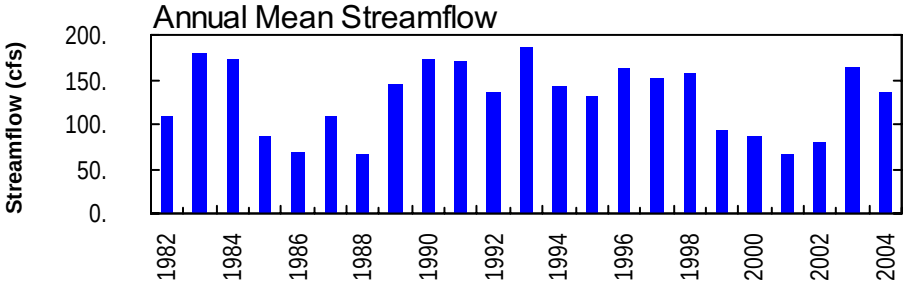


Monthly Statistics

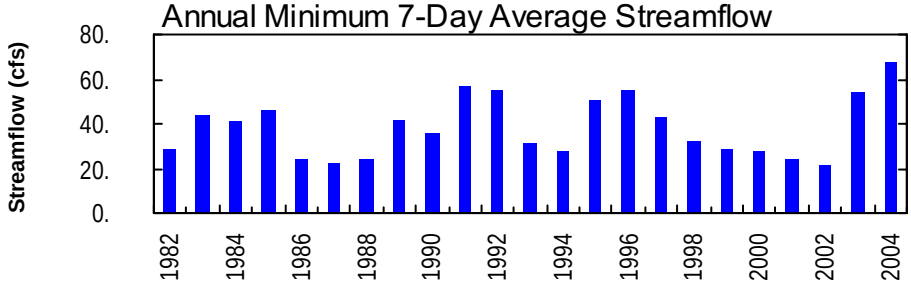
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1981 – 2004



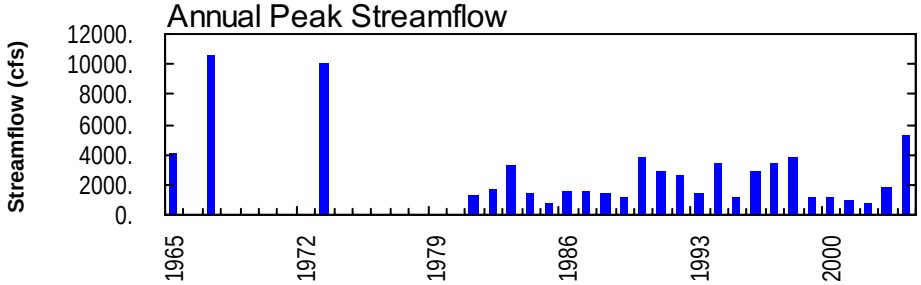
Annual Mean Streamflow

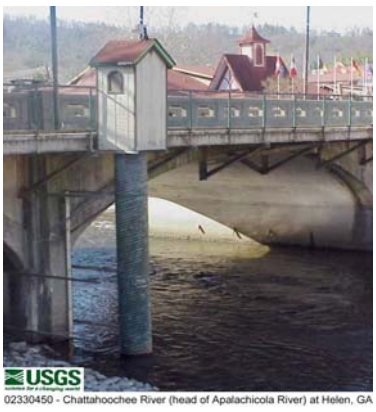


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2004 Water Year

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA

LOCATION.—Lat 34°42'03", long 83°43'44", referenced to North American Datum (NAD) of 1983, White County, Hydrologic Unit 03130001, on downstream side of bridge on GA 17 and 75 at Helen, and 1.1 miles downstream from Smith Creek.

DRAINAGE AREA.—44.7 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1981 to current year. Miscellaneous low-flow measurements, water years 1953, 1955.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-temperature thermistor. Datum of gage is 1,404.04 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Some regulation occurs at low-flow on Smith Creek by Unicoi Lake at Unicoi State Park.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of August 23, 1967, reached a discharge of 11,000 cfs from contracted-opening computation at highway bridge 2.0 miles downstream at a drainage area of 48.2 square miles.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,200 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
11/19	0500	1,490	3.83
09/07	1430	1,440	3.74
09/08	0630	1,470	3.79
09/16	2145	5,260*	6.75*

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1981 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor. Datum of gage is 1,404.04 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.75 feet, September 16; minimum gage-height recorded, 0.60 feet, July 23-26, August 26-28, September 1, 5-7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 18, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7* DATUM 1404.04 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	81	147	129	111	122	104	99	89	204	82	83
2	89	80	133	128	153	145	101	170	87	172	177	95
3	88	80	127	127	194	135	100	130	86	141	120	75
4	88	80	150	126	156	129	100	110	85	137	80	70
5	86	98	142	156	150	126	98	105	85	117	80	67
6	86	147	130	138	439	162	98	99	84	102	75	66
7	85	111	123	129	334	144	97	97	84	96	72	735
8	85	96	119	128	240	133	97	96	156	92	72	973
9	85	88	116	129	204	133	96	95	89	89	71	379
10	87	86	342	122	187	129	95	94	87	86	71	251
11	86	85	272	118	173	124	96	93	86	79	86	193
12	85	85	205	117	190	120	105	93	85	77	93	162
13	84	83	185	115	167	117	324	105	85	75	74	143
14	82	81	215	112	163	116	171	102	84	74	72	129
15	82	80	182	111	193	116	135	94	113	73	76	120
16	81	80	170	109	180	121	119	92	108	71	116	835
17	80	80	214	108	167	114	110	92	88	70	81	1880
18	80	119	184	126	159	111	107	90	83	74	73	742
19	80	706	173	110	154	110	105	89	79	69	69	460
20	80	253	158	107	152	109	103	88	78	69	76	350
21	80	179	152	106	146	112	100	87	81	67	94	292
22	80	151	148	105	140	106	98	90	89	67	71	250
23	80	135	150	104	134	106	96	88	86	67	70	223
24	79	161	175	104	134	106	95	86	146	66	69	204
25	79	136	151	189	131	105	94	85	119	67	68	190
26	180	126	143	174	135	104	149	85	104	68	67	178
27	128	142	138	157	133	104	109	84	121	86	66	212
28	93	230	133	134	128	103	97	81	128	76	73	234
29	86	193	130	127	125	100	95	81	104	73	84	176
30	83	163	159	122	---	119	96	112	103	91	72	163
31	81	---	135	114	---	107	---	117	---	87	69	---
TOTAL	2740	4215	5101	3881	5072	3688	3390	3029	2902	2782	2519	9930
MEAN	88.4	140	165	125	175	119	113	97.7	96.7	89.7	81.3	331
MAX	180	706	342	189	439	162	324	170	156	204	177	1880
MIN	79	80	116	104	111	100	94	81	78	66	66	66
CFSM	1.98	3.14	3.68	2.80	3.91	2.66	2.53	2.19	2.16	2.01	1.82	7.40
IN.	2.28	3.51	4.25	3.23	4.22	3.07	2.82	2.52	2.42	2.32	2.10	8.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

MEAN	79.8	101	137	159	185	197	184	144	111	93.3	80.5	82.4
MAX	200	340	311	318	408	418	382	305	255	268	242	331
(WY)	1990	1993	1983	1993	1990	1990	1983	1984	1989	1989	1994	2004
MIN	25.3	39.5	52.3	71.8	78.6	72.3	73.8	63.0	44.4	30.9	28.9	34.5
(WY)	2001	1988	1988	1985	1986	1988	1986	1986	1986	1986	2002	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	60412		49249			
ANNUAL MEAN	166		135		129	
HIGHEST ANNUAL MEAN					186	1993
LOWEST ANNUAL MEAN					66.4	1988
HIGHEST DAILY MEAN	868	Jul 2	1880	Sep 17	2000	Mar 17 1990
LOWEST DAILY MEAN	79	Oct 24	66	Jul 24 a	20	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	80	Oct 19	67	Jul 20	21	Sep 7 2002
MAXIMUM PEAK FLOW			5260	Sep 16	5260	Sep 16 2004
MAXIMUM PEAK STAGE			6.75	Sep 16	6.75	Sep 16 2004
INSTANTANEOUS LOW FLOW			66	Jul 23 b	19	Oct 6 1986
ANNUAL RUNOFF (CFSM)	3.70		3.01		2.90	
ANNUAL RUNOFF (INCHES)	50.28		40.99		39.34	
10 PERCENT EXCEEDS	250		188		239	
50 PERCENT EXCEEDS	150		106		101	
90 PERCENT EXCEEDS	86		75		41	

a Also Aug 27, Sep 6
b Also Jul 24-26, Aug 26-28, Sep 1, Sep 5-7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7* DATUM 1404.04 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.75	0.70	0.98	0.91	0.83	0.88	0.80	0.78	0.74	1.15	0.70	0.70
2	0.74	0.69	0.92	0.90	0.97	0.96	0.79	1.05	0.73	1.06	1.03	0.76
3	0.73	0.69	0.90	0.90	1.13	0.93	0.79	0.91	0.72	0.95	0.86	0.66
4	0.73	0.69	0.98	0.89	1.01	0.91	0.79	0.83	0.71	0.94	0.69	0.63
5	0.72	0.78	0.96	1.00	0.99	0.89	0.78	0.81	0.71	0.86	0.69	0.61
6	0.72	0.97	0.91	0.94	1.77	1.02	0.77	0.78	0.71	0.79	0.66	0.60
7	0.72	0.83	0.88	0.90	1.55	0.96	0.77	0.77	0.71	0.76	0.64	2.25
8	0.71	0.77	0.87	0.90	1.27	0.92	0.77	0.76	0.98	0.75	0.64	2.91
9	0.71	0.73	0.85	0.91	1.16	0.92	0.77	0.76	0.74	0.74	0.63	1.67
10	0.72	0.72	1.53	0.88	1.11	0.91	0.76	0.76	0.72	0.72	0.63	1.30
11	0.72	0.71	1.36	0.86	1.06	0.89	0.76	0.75	0.72	0.69	0.71	1.13
12	0.71	0.71	1.17	0.86	1.12	0.87	0.81	0.75	0.71	0.67	0.75	1.03
13	0.71	0.71	1.10	0.85	1.04	0.86	1.51	0.81	0.71	0.66	0.66	0.96
14	0.70	0.70	1.19	0.84	1.03	0.85	1.06	0.79	0.71	0.65	0.64	0.91
15	0.70	0.69	1.10	0.84	1.12	0.85	0.93	0.76	0.83	0.65	0.65	0.87
16	0.70	0.69	1.05	0.83	1.09	0.87	0.87	0.75	0.82	0.63	0.83	1.99
17	0.69	0.69	1.19	0.82	1.04	0.84	0.83	0.75	0.73	0.63	0.69	4.24
18	0.69	0.82	1.10	0.89	1.02	0.84	0.82	0.74	0.70	0.65	0.65	2.50
19	0.69	2.37	1.06	0.83	1.00	0.83	0.81	0.73	0.69	0.62	0.62	1.98
20	0.69	1.31	1.01	0.81	0.99	0.82	0.80	0.73	0.68	0.62	0.65	1.74
21	0.69	1.08	0.99	0.81	0.97	0.84	0.79	0.72	0.69	0.61	0.74	1.59
22	0.69	0.99	0.98	0.81	0.95	0.81	0.78	0.74	0.73	0.61	0.64	1.47
23	0.69	0.93	0.99	0.80	0.93	0.81	0.77	0.73	0.72	0.61	0.63	1.38
24	0.69	1.02	1.07	0.80	0.93	0.81	0.76	0.72	0.97	0.60	0.62	1.32
25	0.68	0.93	0.99	1.10	0.92	0.80	0.75	0.71	0.87	0.61	0.61	1.27
26	1.05	0.90	0.96	1.07	0.93	0.80	0.98	0.71	0.80	0.61	0.61	1.22
27	0.90	0.95	0.94	1.01	0.92	0.80	0.82	0.71	0.86	0.71	0.60	1.32
28	0.75	1.23	0.92	0.93	0.90	0.80	0.77	0.70	0.90	0.66	0.64	1.41
29	0.72	1.13	0.91	0.90	0.89	0.79	0.76	0.70	0.80	0.64	0.70	1.21
30	0.71	1.03	1.01	0.88	---	0.86	0.76	0.82	0.80	0.73	0.64	1.16
31	0.70	---	0.93	0.85	---	0.81	---	0.85	---	0.72	0.62	---
MEAN	0.73	0.91	1.03	0.89	1.06	0.86	0.83	0.77	0.76	0.72	0.68	1.43
MAX	1.05	2.37	1.53	1.10	1.77	1.02	1.51	1.05	0.98	1.15	1.03	4.24
MIN	0.68	0.69	0.85	0.80	0.83	0.79	0.75	0.70	0.68	0.60	0.60	0.60

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7* DATUM 1404.04 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	---	0.00	0.00	---	0.00	1.41	0.99	0.98
2	0.00	0.00	0.00	0.01	---	0.70	0.00	---	0.00	0.01	1.63	0.42
3	0.00	0.00	0.01	0.00	---	0.00	0.00	---	0.00	0.25	0.00	0.01
4	0.00	0.09	0.62	0.01	---	0.00	0.00	---	0.00	0.12	0.00	0.00
5	0.00	0.69	0.05	0.51	---	0.01	0.00	---	0.00	0.00	0.65	0.00
6	0.00	0.71	0.00	0.00	---	0.42	0.00	---	0.00	0.00	0.00	0.04
7	0.01	0.00	0.00	0.00	---	0.02	0.00	---	1.47	0.00	0.00	4.11
8	0.11	0.00	0.00	0.02	---	0.00	0.00	0.00	1.64	0.00	0.00	1.02
9	0.03	0.00	0.00	0.01	---	0.09	0.00	0.01	0.01	0.00	0.00	0.00
10	0.19	0.00	1.63	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.06	0.00	0.00	0.00	---	0.00	0.11	0.14	0.00	0.00	0.11	0.00
12	0.00	0.02	0.00	0.00	---	0.00	0.76	0.16	0.77	0.27	0.77	0.00
13	0.01	0.00	0.58	0.00	---	0.00	0.95	0.65	0.10	0.00	0.00	0.00
14	0.05	0.00	0.26	0.00	---	0.00	0.02	0.00	0.21	0.01	0.00	0.00
15	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.71	0.00	0.00	0.00
16	0.00	0.02	0.30	0.00	---	0.22	0.00	0.02	0.09	0.01	0.00	5.39
17	0.00	0.02	0.25	0.11	---	0.00	0.00	0.00	0.00	0.15	0.69	0.85
18	0.00	1.96	0.11	0.27	---	0.01	0.00	0.01	0.01	0.01	0.00	0.00
19	0.00	1.21	0.01	0.00	---	0.00	0.00	0.43	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	---	0.14	0.00	0.00	0.00	0.00	0.78	0.00
21	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.34	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.59	0.00	0.00	0.00
23	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.07	0.00
24	0.00	0.60	0.06	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00
25	0.00	0.00	0.00	1.89	0.00	0.00	---	0.00	0.53	0.01	0.00	0.00
26	2.41	0.00	0.00	0.01	0.19	0.00	---	0.00	0.01	0.46	0.00	0.00
27	0.02	0.88	0.00	0.01	0.10	0.00	---	0.00	1.03	0.09	0.00	1.57
28	0.00	0.33	0.00	0.00	0.00	0.00	---	0.00	0.06	0.00	0.78	0.02
29	0.00	0.00	0.22	---	0.00	0.00	---	0.00	0.00	0.23	0.48	0.00
30	0.00	0.00	0.19	---	---	0.55	---	0.17	0.46	0.60	0.36	0.00
31	0.00	---	0.00	---	---	0.00	---	0.74	---	0.09	0.00	---
TOTAL	2.89	6.53	4.85	---	---	2.16	---	---	9.14	3.72	7.33	14.41

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA

LOCATION.—Lat 33°42'03", long 83°43'44", referenced to North American Datum (NAD) of 1983, White County, Hydrologic Unit 03130001, on the downstream side bridge on GA 17 and 75 at Helen, and 1.1 miles downstream from Smith Creek.

DRAINAGE AREA.—44.7 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

PERIOD OF RECORD.—July 17, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: July 17, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: Maximum recorded, 24.0°C, July 13, 2004; minimum recorded, 1.4 °C, January 28, 2004.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 24.0°C, July 13; minimum recorded, 1.4 °C, January 28.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7 DATUM 1404.04 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.8	12.8	13.8	15.0	11.3	13.0	9.1	6.4	7.5	---	---	---
2	14.6	11.8	13.0	15.2	11.6	13.2	8.0	5.8	7.0	---	---	---
3	13.2	10.6	11.8	15.4	11.6	13.3	7.1	6.6	6.8	---	---	---
4	14.1	11.0	12.5	15.0	13.0	14.0	7.1	6.2	6.6	---	---	---
5	14.6	12.2	13.5	16.2	14.8	15.5	7.6	6.6	7.3	---	---	---
6	15.4	14.0	14.6	17.8	15.8	16.6	7.6	5.6	6.4	8.8	4.1	6.4
7	16.6	14.3	15.2	17.2	15.2	16.0	6.8	4.8	5.7	4.1	2.0	3.1
8	16.8	15.0	15.6	15.8	14.3	15.1	7.1	4.6	5.8	4.8	3.0	3.9
9	16.2	15.2	15.6	14.3	11.1	12.8	8.2	5.1	6.6	5.5	4.6	4.9
10	16.6	15.4	15.8	12.0	9.6	10.8	9.6	8.0	8.8	5.3	3.4	4.6
11	16.0	15.2	15.5	13.0	9.6	11.1	8.0	6.0	6.8	4.8	2.3	3.5
12	17.6	14.8	15.9	14.6	11.1	12.7	7.5	5.3	6.4	6.2	3.2	4.5
13	17.4	14.6	15.9	14.0	8.4	11.3	6.8	5.6	6.3	7.6	5.0	6.0
14	17.0	14.3	15.9	10.0	7.1	8.5	7.3	6.4	6.8	7.6	5.5	6.4
15	15.2	12.4	13.8	11.6	8.4	9.9	7.5	5.6	6.5	7.8	5.3	6.6
16	14.3	10.8	12.4	12.2	9.3	10.8	8.0	5.5	6.8	7.0	4.3	5.5
17	13.2	10.8	12.1	14.5	12.0	13.2	8.2	5.1	6.8	6.4	4.6	5.6
18	14.8	11.6	12.9	14.5	13.6	14.0	6.4	4.8	5.7	8.2	6.4	7.2
19	14.8	11.3	13.0	14.5	12.0	13.9	6.0	4.5	5.3	7.0	3.6	5.3
20	15.4	11.8	13.4	12.4	10.8	11.5	4.5	3.2	3.8	4.8	2.1	3.4
21	15.8	12.2	13.9	12.2	9.6	11.0	4.6	2.5	3.6	5.5	2.8	3.9
22	15.6	13.2	14.1	12.2	9.6	11.0	6.0	3.4	4.7	6.0	3.2	4.4
23	14.1	11.3	12.7	12.4	9.8	11.2	7.3	4.5	5.7	4.8	2.1	3.5
24	14.3	11.0	12.4	12.8	8.8	11.7	7.6	5.0	6.8	7.3	2.5	4.9
25	14.3	10.8	12.5	9.0	7.0	7.9	5.3	3.6	4.4	6.2	5.0	5.7
26	14.1	13.0	13.7	9.3	6.8	8.1	5.8	3.8	4.6	5.3	5.0	5.1
27	14.6	12.4	14.0	10.8	8.8	9.6	6.4	3.8	5.0	6.4	3.4	5.2
28	12.4	10.4	11.5	11.8	8.0	10.6	6.8	4.5	5.6	4.0	1.4	2.7
29	13.6	11.0	12.0	8.0	6.0	6.7	7.6	5.6	6.5	5.0	2.3	3.4
30	14.0	10.0	11.9	7.8	5.5	6.6	7.8	5.6	7.0	---	---	---
31	14.5	11.1	12.6	---	---	---	---	---	---	---	---	---
MONTH	17.6	10.0	13.7	17.8	5.5	11.7	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7 DATUM 1404.04 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	9.3	6.2	7.7	11.1	7.8	9.0	---	---	---
2	---	---	---	10.2	9.1	9.7	9.1	7.1	8.3	---	---	---
3	---	---	---	12.8	9.6	10.9	14.3	7.8	10.5	---	---	---
4	---	---	---	12.8	10.6	11.6	13.4	8.6	10.3	---	---	---
5	---	---	---	11.8	11.3	11.6	13.2	7.0	9.6	---	---	---
6	---	---	---	14.6	11.5	12.7	14.0	7.5	10.3	---	---	---
7	---	---	---	13.4	9.6	11.1	14.5	8.6	11.3	18.8	---	---
8	---	---	---	10.2	7.0	8.4	14.1	10.8	12.1	19.2	14.3	16.3
9	---	---	---	8.2	6.0	7.0	16.4	10.0	12.6	18.6	14.6	16.1
10	---	---	---	10.0	5.6	7.4	12.2	9.8	11.3	19.0	14.5	16.3
11	---	---	---	10.2	5.3	7.6	13.6	10.8	12.1	18.8	14.5	16.1
12	---	---	---	11.0	6.8	8.4	12.4	11.6	11.9	17.2	15.0	16.0
13	---	---	---	9.8	5.8	7.6	12.2	9.1	11.3	17.2	15.6	16.2
14	---	---	---	11.1	7.1	8.8	11.3	7.5	9.1	16.6	15.4	15.9
15	---	---	---	11.8	9.8	10.6	14.0	7.6	---	18.6	15.0	16.4
16	---	---	---	13.8	10.2	11.5	15.2	---	---	18.4	15.0	16.3
17	---	---	---	12.4	8.6	10	16.2	10.0	12.9	19.0	15.2	16.7
18	---	---	---	10.0	7.8	9.0	17.4	11.3	---	19.0	15.4	16.8
19	---	---	---	13.8	8.4	10.6	---	12.0	---	18.0	15.6	16.7
20	---	---	---	13.0	8.4	10.4	16.6	---	---	20.6	15.4	17.7
21	9.6	7.0	8.2	13.0	7.8	10.6	16.4	12.8	---	20.8	16.2	18.1
22	9.1	5.6	7.2	10.4	5.6	7.5	---	---	---	20.0	16.6	17.9
23	7.8	6.0	7.0	10.0	4.5	6.9	---	---	---	20.2	16.2	17.9
24	9.0	7.5	8.0	11.6	5.6	8.2	---	---	---	19.6	15.8	17.5
25	8.6	7.0	8.0	13.4	7.5	10.0	---	---	---	21.0	16.4	18.3
26	7.0	4.6	5.4	14.5	9.0	11.3	---	---	---	20.0	17.2	18.5
27	7.8	5.1	6.2	15.0	9.6	12.0	---	---	---	21.4	17.0	18.8
28	9.0	4.8	6.6	15.8	10.4	12.7	---	---	---	20.4	17.4	18.7
29	8.8	4.8	6.5	16.4	12.0	13.6	---	---	---	19.0	17.0	18.0
30	---	---	---	14.3	11.5	12.5	---	---	---	20.4	17.0	18.4
31	---	---	---	12.4	9.0	10.6	---	---	---	19.6	17.2	18.4
MONTH	---	---	---	16.4	4.5	10.0	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7 DATUM 1404.04 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.2	16.0	17.6	19.0	17.8	18.5	22.2	19.4	20.7	19.8	18.8	19.2
2	19.8	14.8	17.2	20.2	17.8	18.7	22.5	20.0	21.0	19.2	18.2	18.8
3	20.2	15.8	17.7	19.8	18.0	18.8	23.4	19.8	21.2	20.6	18.0	19.0
4	21.2	16.8	18.4	19.6	17.8	18.8	22.5	19.6	20.8	20.4	18.0	19.0
5	20.0	15.6	17.5	22.0	18.2	19.8	21.6	19.2	20.2	21.2	17.6	19.0
6	19.8	15.8	17.6	22.2	18.0	19.8	22.5	18.8	20.2	20.4	18.4	19.3
7	18.4	16.4	17.4	22.0	18.6	20.1	20.8	17.0	18.7	19.4	18.6	19.1
8	18.8	17.8	18.2	22.7	18.8	20.3	21.2	16.2	18.4	18.6	17.8	18.3
9	19.4	17.2	18.0	22.7	18.4	20.2	21.2	16.4	18.4	18.8	17.4	18.0
10	21.4	17.0	18.8	23.2	18.8	20.6	20.4	17.2	18.7	19.2	17.6	18.3
11	22.5	17.6	19.6	23.8	19.4	21.2	21.4	17.4	18.9	19.0	17.2	18.1
12	22.0	18.2	19.9	23.4	19.2	20.9	19.8	17.8	18.7	19.0	17.0	18.0
13	19.6	18.4	19.1	24.0	19.2	21.1	20.6	16.4	18.1	18.2	16.8	17.5
14	21.2	18.2	19.3	23.8	19.4	20.8	20.2	15.8	17.8	18.8	16.2	17.3
15	21.8	18.8	20.2	22.7	18.8	20.3	20.4	17.4	18.7	18.2	16.6	17.4
16	22.2	19.2	20.2	20.8	17.2	19.0	20.2	17.4	18.6	19.6	17.8	18.3
17	23.2	19.0	20.6	20.6	18.0	19.2	20.6	17.6	18.8	18.6	16.6	17.4
18	22.5	19.0	20.4	22.7	17.8	19.7	21.6	17.8	19.4	17.0	15.4	16.2
19	23.8	19.0	20.9	22.2	18.0	19.7	22.5	17.8	19.6	16.2	14.1	15.2
20	21.2	18.8	20.0	22.0	17.8	19.6	21.4	18.4	19.8	15.6	13.8	14.7
21	19.4	18.6	19.1	23.0	18.0	20.0	20.6	18.8	19.7	15.8	13.6	14.7
22	21.4	18.6	19.7	23.0	18.4	20.3	20.4	18.0	19.0	15.6	13.2	14.6
23	20.6	18.6	19.4	23.6	19.4	21.1	19.8	18.4	19.1	17.0	14.3	15.7
24	20.2	18.6	19.2	23.2	19.4	21.0	20.8	18.0	19.3	17.6	15.4	16.5
25	20.2	18.2	18.9	21.8	19.6	20.5	21.2	18.6	19.5	17.6	15.8	16.7
26	21.4	18.4	19.5	22.5	19.4	20.5	21.6	18.4	19.8	17.4	15.6	16.5
27	19.6	18.2	18.7	20.8	19.4	20.0	22.2	18.6	20.1	17.0	16.4	16.7
28	19.6	18.0	18.6	23.2	18.8	20.5	22.5	18.8	20.1	18.2	16.8	17.3
29	20.6	17.4	18.7	20.6	19.4	20.0	21.4	19.0	19.9	17.6	15.8	16.6
30	19.0	17.8	18.3	21.6	19.6	20.2	21.2	18.6	19.6	17.0	14.8	15.9
31	---	---	---	22.2	19.4	20.6	22.2	18.4	19.9	---	---	---
MONTH	23.8	14.8	19.0	24.0	17.2	20.1	23.4	15.8	19.4	21.2	13.2	17.3

2004 **Water Year**

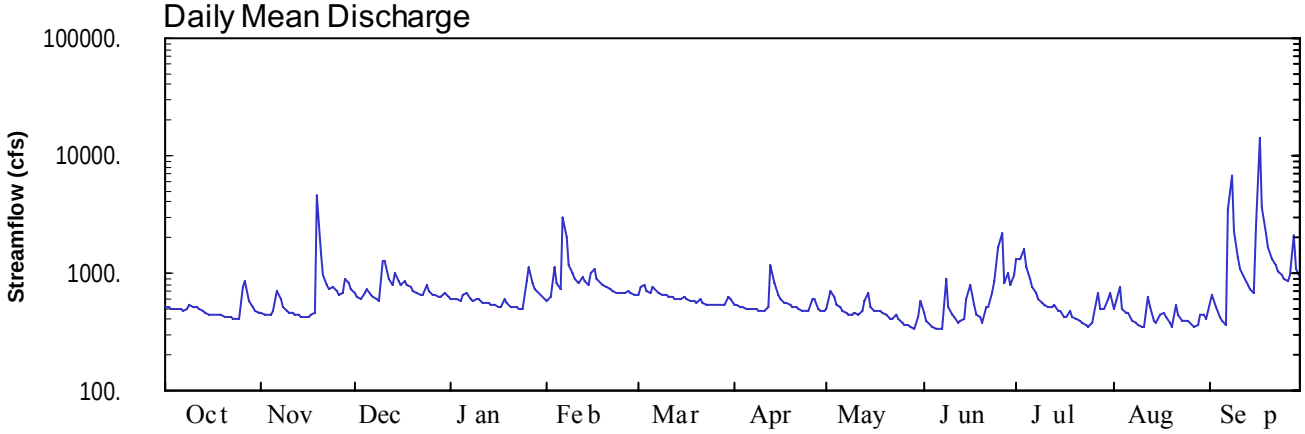
APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA

Latitude: 34°32'26" Longitude: 083°37'21" Hydrologic Unit Code: 03130001

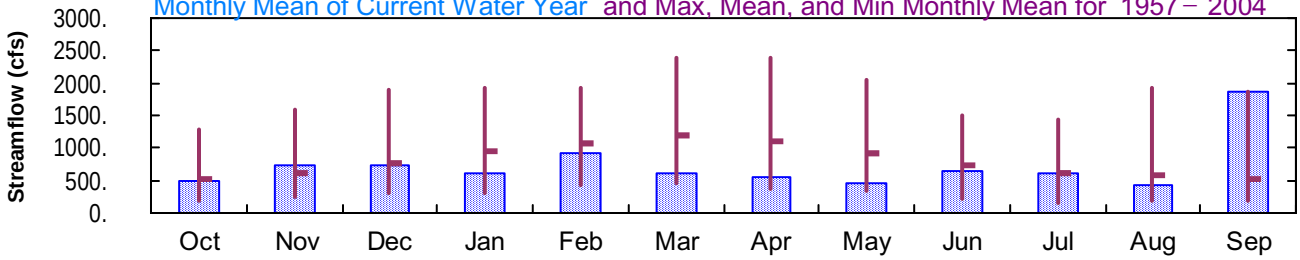
Habersham County Datum: 1128.53 feet Drainage Area: 315. mi²

Daily Mean Discharge

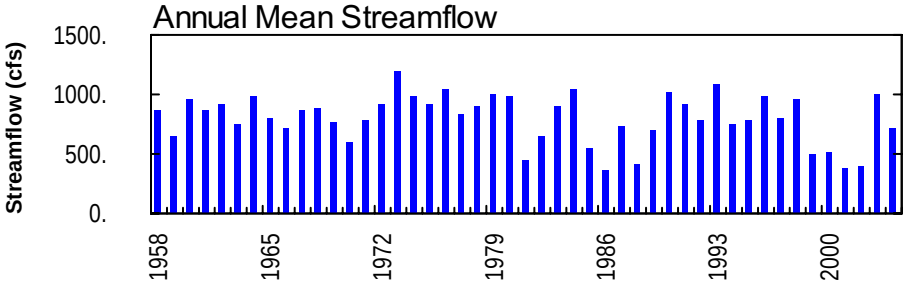


Monthly **Statistics**

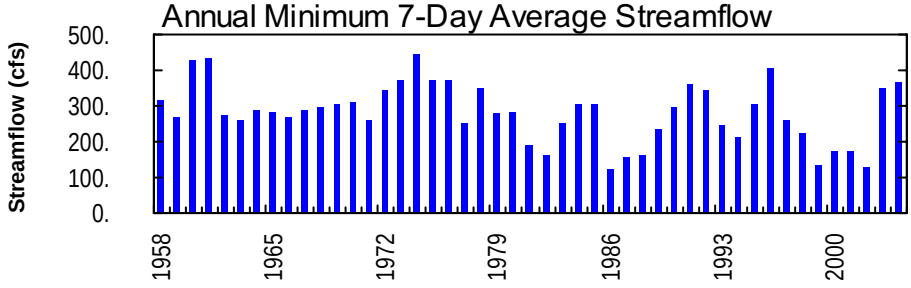
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1957 – 2004



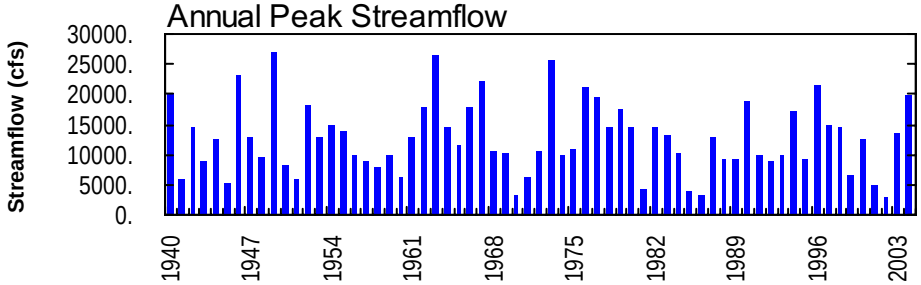
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA

LOCATION.—Lat 34°32'27", long 83°37'14", referenced to North American Datum (NAD) of 1983, Habersham-White County line, Hydrologic Unit 03130001, on downstream side of bridge on Duncan Bridge Road (GA 384), 1.0 mile downstream from Soque River, 6.0 miles northwest of Cornelia, and at mile 401.4.

DRAINAGE AREA.—315 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1957 to current year.

REVISED RECORDS.—WSP 2106: 1963(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,128.53 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to June 28, 1977 and after June 16, 1992 to October 25, 1994, located at a site 1,000 feet upstream at same datum.

REMARKS.—Records good, except for periods of estimated discharge, which are poor. Some regulation at low flow occurs from Habersham Mill power plant.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 6,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	0830	8,740	8.32
02/06	1645	6,720	6.86
06/25	2245	7,140	7.18
09/08	0745	8,520	8.17
09/17	0500	19,900*	15.72*

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1957 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,128.53 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to June 28, 1977 and from June 16, 1992 to October 25, 1994, located at a site 1,000 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.72 feet, September 17; minimum gage-height recorded, 0.73 feet, July 24, August 27.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 16, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 137
LATITUDE 343226.6 LONGITUDE 0833721.99 NAD83 DRAINAGE AREA 315 CONTRIBUTING DRAINAGE AREA 315* DATUM 1128.53 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	525	453	679	607	586	645	544	502	467	1320	495	553
2	514	446	637	599	625	771	526	691	387	1310	574	654
3	493	437	610	594	1140	791	521	631	359	1620	772	510
4	496	434	e680	589	812	711	508	535	351	1130	501	430
5	493	473	e720	657	733	682	493	507	334	904	465	391
6	489	698	653	672	2980	747	488	482	329	747	453	366
7	477	591	616	600	2000	717	490	461	330	667	391	3430
8	498	513	595	589	1190	669	489	444	893	612	373	6710
9	536	482	580	603	982	651	483	438	515	564	358	2260
10	517	458	1270	590	883	653	470	451	436	533	354	1390
11	507	452	1260	567	822	629	485	444	424	512	351	1070
12	500	447	890	559	923	618	512	472	e380	524	632	916
13	475	438	788	552	842	606	1160	570	e390	544	506	797
14	464	418	990	543	795	603	811	670	e400	467	399	731
15	449	421	858	538	990	604	652	516	596	469	372	678
16	435	422	778	524	1070	626	599	470	791	432	449	2540
17	439	442	869	519	876	600	566	484	539	426	456	14100
18	442	457	789	601	817	579	548	471	448	485	428	3580
19	436	4650	754	562	777	577	528	461	420	427	373	2170
20	428	1460	703	524	751	560	519	446	381	401	355	1630
21	426	975	674	513	738	593	506	414	520	385	536	1310
22	418	797	663	508	704	550	493	406	519	373	433	1160
23	410	719	659	497	689	537	480	433	671	360	394	1050
24	410	755	799	497	685	536	475	414	840	349	395	975
25	408	717	696	865	673	535	471	379	1680	382	400	907
26	770	649	661	1120	681	534	611	368	2160	459	361	860
27	840	664	639	831	698	532	601	356	830	684	347	963
28	579	906	628	731	672	531	498	345	985	488	369	2080
29	518	837	615	669	652	527	477	341	782	490	442	1090
30	481	728	679	639	---	634	479	419	955	612	441	934
31	461	---	627	607	---	596	---	577	---	672	400	---
TOTAL	15334	22339	23059	19066	26786	19144	16483	14598	19112	19348	13575	56235
MEAN	495	745	744	615	924	618	549	471	637	624	438	1874
MAX	840	4650	1270	1120	2980	791	1160	691	2160	1620	772	14100
MIN	408	418	580	497	586	527	470	341	329	349	347	366
CFSM	1.57	2.36	2.36	1.95	2.93	1.96	1.74	1.49	2.02	1.98	1.39	5.95
IN.	1.81	2.64	2.72	2.25	3.16	2.26	1.95	1.72	2.26	2.28	1.60	6.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

MEAN	536	607	777	951	1072	1207	1116	913	729	611	582	515
MAX	1287	1602	1909	1938	1917	2376	2385	2043	1487	1426	1926	1874
(WY)	1990	1993	1962	1993	1998	1980	1964	1973	1973	2003	1967	2004
MIN	184	243	310	293	426	449	368	324	227	166	179	184
(WY)	2001	2002	1966	1981	1986	1988	1986	1986	1986	1986	1986	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1957 - 2004	
ANNUAL TOTAL	349788		265079			
ANNUAL MEAN	958		724		800	
HIGHEST ANNUAL MEAN					1198	1973
LOWEST ANNUAL MEAN					370	1986
HIGHEST DAILY MEAN	7660	Jul 2	14100	Sep 17	15800	Aug 23 1967
LOWEST DAILY MEAN	408	Oct 25	329	Jun 6	91	Sep 7 1957
ANNUAL SEVEN-DAY MINIMUM	419	Oct 19	365	Jun 1	124	Jul 16 1986
MAXIMUM PEAK FLOW			19900	Sep 17	26400	Mar 12 1963
MAXIMUM PEAK STAGE			15.72	Sep 17	20.55	Mar 12 1963
ANNUAL RUNOFF (CFSM)	3.04		2.30		2.54	
ANNUAL RUNOFF (INCHES)	41.31		31.30		34.52	
10 PERCENT EXCEEDS	1310		977		1340	
50 PERCENT EXCEEDS	886		560		645	
90 PERCENT EXCEEDS	499		400		307	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 137
LATITUDE 343226.6 LONGITUDE 0833721.99 NAD83 DRAINAGE AREA 315 CONTRIBUTING DRAINAGE AREA 315* DATUM 1128.53 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.15	1.03	1.38	1.28	1.24	1.33	1.18	1.11	1.05	2.06	1.03	1.09
2	1.13	1.02	1.32	1.26	1.29	1.49	1.15	1.39	0.90	2.05	1.15	1.27
3	1.10	1.00	1.28	1.26	1.92	1.53	1.14	1.31	0.85	2.35	1.42	1.05
4	1.10	0.99	---	1.25	1.55	1.42	1.12	1.17	0.83	1.85	1.04	0.91
5	1.10	1.06	---	1.34	1.45	1.38	1.10	1.12	0.79	1.59	0.98	0.84
6	1.09	1.40	1.34	1.37	3.55	1.47	1.09	1.08	0.78	1.40	0.96	0.79
7	1.07	1.25	1.29	1.26	2.76	1.43	1.09	1.04	0.78	1.29	0.84	3.78
8	1.11	1.13	1.26	1.25	1.98	1.36	1.09	1.01	1.63	1.21	0.81	6.77
9	1.17	1.08	1.24	1.27	1.75	1.34	1.08	1.00	1.13	1.14	0.78	2.98
10	1.14	1.04	1.98	1.25	1.64	1.34	1.06	1.02	1.00	1.09	0.77	2.13
11	1.12	1.03	2.05	1.21	1.56	1.31	1.08	1.01	0.97	1.06	0.76	1.78
12	1.11	1.02	1.65	1.20	1.68	1.29	1.13	1.06	---	1.07	1.22	1.61
13	1.07	1.00	1.52	1.19	1.59	1.27	1.93	1.22	---	1.11	1.04	1.46
14	1.05	0.96	1.76	1.18	1.53	1.27	1.55	1.36	---	0.98	0.86	1.38
15	1.02	0.97	1.61	1.17	1.75	1.27	1.34	1.13	1.25	0.99	0.80	1.31
16	1.00	0.97	1.51	1.15	1.85	1.30	1.26	1.06	1.52	0.92	0.94	2.86
17	1.00	1.01	1.62	1.14	1.63	1.27	1.21	1.08	1.17	0.91	0.96	11.85
18	1.01	1.03	1.52	1.27	1.56	1.23	1.19	1.06	1.02	1.01	0.91	4.20
19	1.00	5.04	1.48	1.21	1.51	1.23	1.16	1.04	0.97	0.91	0.81	2.90
20	0.98	2.25	1.41	1.15	1.48	1.20	1.14	1.01	0.89	0.86	0.77	2.44
21	0.98	1.74	1.37	1.13	1.46	1.25	1.12	0.95	1.12	0.83	1.09	2.14
22	0.96	1.53	1.35	1.12	1.41	1.19	1.10	0.94	1.14	0.81	0.92	1.98
23	0.95	1.43	1.35	1.10	1.39	1.17	1.08	0.99	1.36	0.78	0.85	1.86
24	0.95	1.47	1.54	1.10	1.39	1.17	1.07	0.95	1.58	0.76	0.85	1.77
25	0.94	1.43	1.40	1.57	1.37	1.17	1.06	0.89	2.32	0.82	0.86	1.70
26	1.42	1.33	1.35	1.90	1.38	1.16	1.27	0.87	2.84	0.97	0.78	1.64
27	1.58	1.35	1.32	1.58	1.40	1.16	1.26	0.84	1.50	1.31	0.75	1.74
28	1.23	1.66	1.31	1.45	1.37	1.16	1.11	0.82	1.69	1.02	0.80	2.84
29	1.14	1.58	1.29	1.36	1.34	1.15	1.07	0.81	1.44	1.01	0.93	1.90
30	1.08	1.45	1.38	1.32	---	1.31	1.07	0.95	1.63	1.21	0.93	1.73
31	1.04	---	1.30	1.27	---	1.26	---	1.22	---	1.29	0.86	---
MEAN	1.09	1.38	---	1.28	1.65	1.29	1.18	1.05	---	1.18	0.92	2.42

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 137
LATITUDE 343226.6 LONGITUDE 0833721.99 NAD83 DRAINAGE AREA 315 CONTRIBUTING DRAINAGE AREA 315* DATUM 1128.53 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.37	0.00	2.24
2	0.00	0.00	0.00	0.00	0.93	0.54	0.00	0.84	0.00	0.07	0.00	0.53
3	0.00	0.00	0.03	0.00	0.08	0.01	0.00	0.00	0.00	0.46	0.00	0.00
4	0.00	0.03	---	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00
5	0.00	0.26	---	0.44	0.17	0.00	0.00	0.00	0.00	0.00	0.26	0.00
6	0.00	0.05	0.00	0.00	1.60	0.22	0.00	0.00	0.00	0.02	0.00	0.08
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	0.00	0.00	4.28
8	0.28	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.44
9	0.10	0.00	0.00	0.14	0.00	0.07	0.00	0.18	0.51	0.00	0.00	0.00
10	0.33	0.00	1.27	0.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
11	0.08	0.00	0.00	0.00	0.04	0.00	0.07	1.76	0.00	0.00	0.00	0.00
12	0.00	0.01	0.00	0.00	0.58	0.00	0.84	0.01	---	0.12	1.76	0.00
13	0.00	0.00	0.44	0.00	0.00	0.00	0.65	1.25	---	0.00	0.00	0.00
14	0.03	0.00	0.25	0.00	0.17	0.00	0.01	0.00	---	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	---	0.00	0.00	0.00
16	0.00	0.04	0.10	0.00	0.00	0.12	0.00	0.03	---	0.00	0.00	3.90
17	0.00	0.23	0.19	0.18	0.01	0.00	0.00	0.00	---	0.19	0.08	1.25
18	0.00	1.87	0.01	0.21	0.00	0.01	0.00	0.40	0.00	0.01	0.00	0.00
19	0.00	1.95	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.46	0.00
21	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.38	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
23	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
24	0.00	0.40	0.08	0.00	0.03	0.00	0.00	0.00	0.30	0.00	0.20	0.00
25	0.00	0.00	0.00	1.63	0.01	0.00	0.00	0.00	2.02	0.00	0.00	0.00
26	1.48	0.00	0.00	0.02	0.03	0.00	0.60	0.00	0.01	1.24	0.00	0.00
27	0.00	0.49	0.00	0.01	0.33	0.00	0.00	0.00	0.38	0.06	0.00	2.68
28	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.05
29	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.02	0.00
30	0.00	0.00	0.06	0.00	---	0.74	0.06	0.07	0.36	0.05	0.06	0.00
31	0.00	---	0.00	0.00	---	0.02	---	0.42	---	0.00	0.00	---
TOTAL	2.30	5.58	---	2.73	4.67	1.93	2.23	5.14	---	3.49	2.84	15.45

2004 Water Year

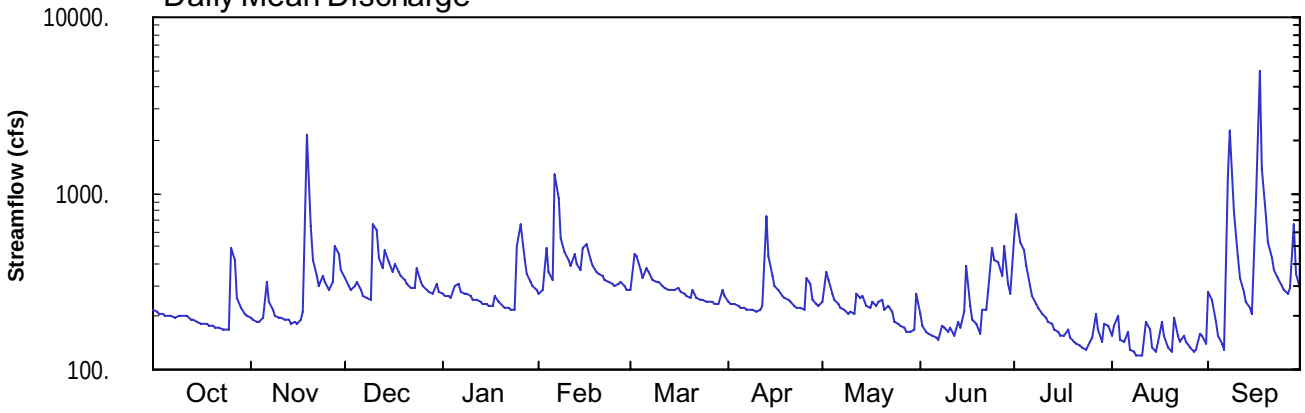
APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA

Latitude: 34°31'41" Longitude: 083°56'23" Hydrologic Unit Code: 03130001

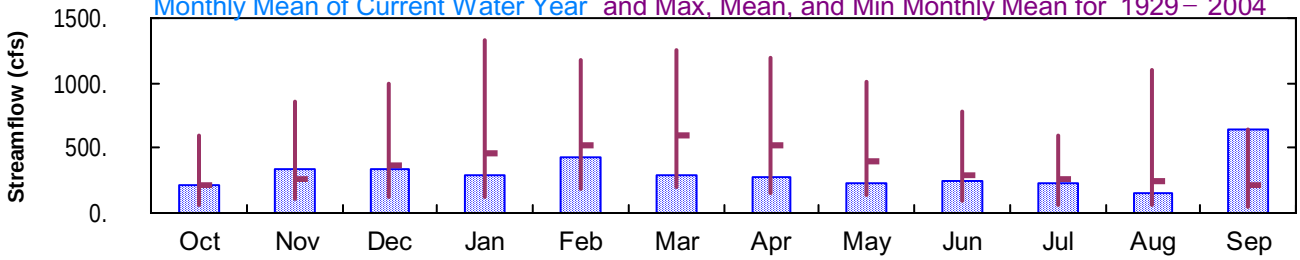
Lumpkin County Datum: 1128.60 feet Drainage Area: 153. mi²

Daily Mean Discharge

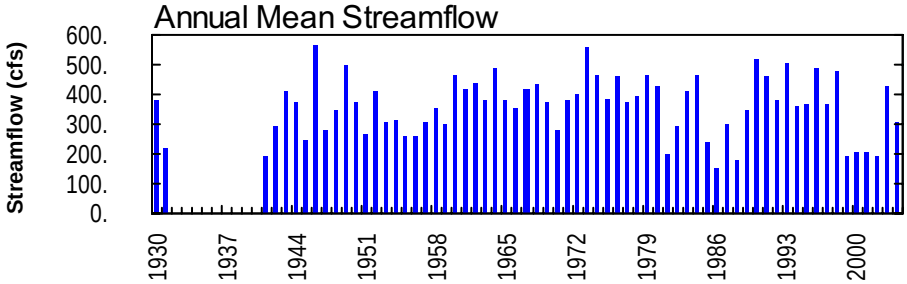


Monthly Statistics

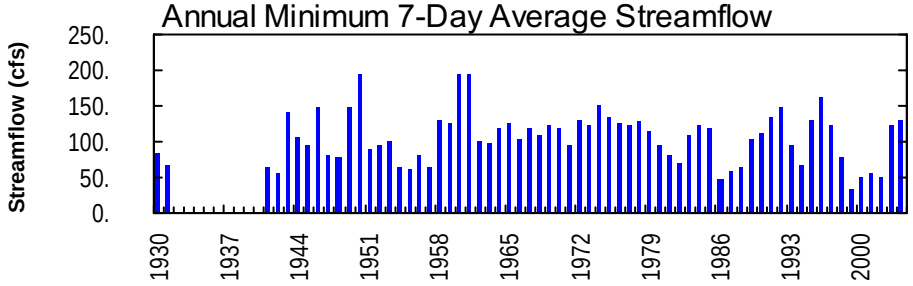
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1929 – 2004



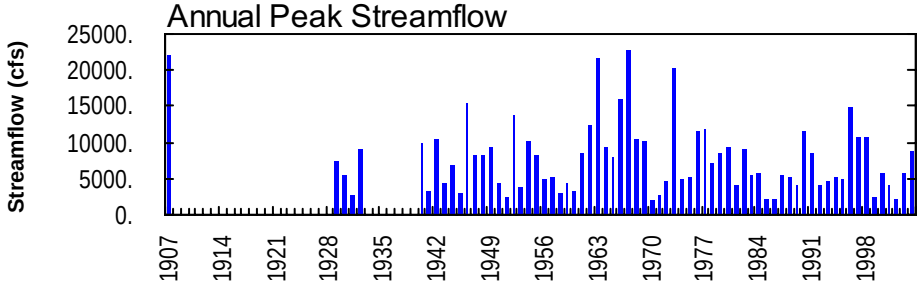
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA

LOCATION.—Lat 34°31'41", long 83°56'23", referenced to North American Datum (NAD) of 1983, Lumpkin County, Hydrologic Unit 03130001, on left bank 250.00 feet upstream from Bearden Bridge on GA 52, 2.0 miles downstream from Ballplay Creek, 2.5 miles east of Dahlonega, and 3.5 miles upstream from Yahoola Creek.

DRAINAGE AREA.—153 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1929 to January 1932, April 1940 to current year. Monthly discharge only for July 1929, published in WSP 1304.

REVISED RECORDS.—WRD GA-95-1:1994.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,128.60 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good, except periods of estimated discharge, which are fair.

PEAKS DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
11/19	0801	4,200	8.56
02/06	1616	3,010	6.79
09/08	1001	3,070	6.88
09/17	0316	8,680*	13,87*

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1929 to January 1932, April 1940 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,128.60 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.87 feet, September 17; minimum gage-height recorded, 0.86 feet, August 12.

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 17, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 187
LATITUDE 343141 LONGITUDE 0835623 NAD83 DRAINAGE AREA 153.00* CONTRIBUTING DRAINAGE AREA DATUM 1128.60 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	219	195	327	266	268	283	245	242	207	560	154	276
2	213	192	299	261	282	452	236	357	176	759	177	246
3	207	188	281	259	488	446	233	323	166	523	203	188
4	208	187	299	255	358	363	227	271	161	473	149	156
5	204	196	312	296	326	334	224	251	154	383	142	142
6	203	311	280	309	1280	378	222	238	150	300	162	131
7	201	245	265	273	949	354	221	225	148	264	131	1250
8	199	218	255	265	561	326	221	216	177	238	125	2290
9	202	204	248	270	462	318	218	209	174	221	121	791
10	202	198	669	261	418	317	213	213	165	209	119	443
11	201	197	624	249	384	300	221	209	175	198	119	329
12	200	193	433	246	450	292	229	267	158	188	186	276
13	192	189	374	242	396	283	746	258	189	181	166	243
14	191	183	476	239	368	280	446	261	174	170	134	226
15	186	186	406	236	483	280	338	232	213	166	126	209
16	182	180	362	231	519	289	300	224	391	157	142	942
17	182	189	402	229	421	276	280	245	230	156	187	4890
18	183	211	361	261	385	266	264	229	191	167	157	1370
19	179	2170	341	245	361	263	253	245	181	151	132	738
20	176	659	319	229	347	257	246	247	162	144	127	525
21	173	420	303	226	336	285	240	221	219	141	198	431
22	171	342	294	223	319	256	232	e230	219	136	156	370
23	168	302	291	218	310	249	227	e210	280	133	144	327
24	169	337	382	217	308	247	223	188	489	130	156	300
25	169	315	314	506	301	245	218	181	418	143	143	282
26	486	283	296	667	308	243	333	176	407	150	133	265
27	416	311	285	423	314	239	304	171	337	205	126	287
28	258	504	276	348	300	239	249	165	503	166	131	671
29	224	451	271	314	286	238	235	163	306	146	160	349
30	208	370	307	297	---	284	231	167	272	181	157	293
31	200	---	276	281	---	264	---	268	---	178	139	---
TOTAL	6572	10126	10628	8842	12288	9146	8075	7102	7192	7317	4602	19236
MEAN	212	338	343	285	424	295	269	229	240	236	148	641
MAX	486	2170	669	667	1280	452	746	357	503	759	203	4890
MIN	168	180	248	217	268	238	213	163	148	130	119	131
CFSM	1.39	2.21	2.24	1.86	2.77	1.93	1.76	1.50	1.57	1.54	0.97	4.19
IN.	1.60	2.46	2.58	2.15	2.99	2.22	1.96	1.73	1.75	1.78	1.12	4.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	208	258	361	464	524	590	518	398	297	260	250	209
MAX	594	855	996	1334	1183	1255	1200	1004	781	596	1097	650
(WY)	1990	1930	1962	1946	1946	1980	1979	1973	1973	2003	1967	1929
MIN	64.7	105	127	119	177	197	158	132	94.0	63.4	63.5	49.5
(WY)	2001	1942	1956	1981	1941	1988	1986	1941	1988	1986	1986	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	151879		111126			
ANNUAL MEAN	416		304		360	
HIGHEST ANNUAL MEAN					565	1946
LOWEST ANNUAL MEAN					152	1986
HIGHEST DAILY MEAN	3560	Jul 2	4890	Sep 17	11400	Aug 23 1967
LOWEST DAILY MEAN	168	Oct 23	119	Aug 10 a	31	Sep 25 1999
ANNUAL SEVEN-DAY MINIMUM	172	Oct 19	131	Aug 5	32	Sep 21 1999
MAXIMUM PEAK FLOW			8680	Sep 17	22700	Aug 23 1967
MAXIMUM PEAK STAGE			13.87	Sep 17	25.17	Aug 23 1967
INSTANTANEOUS LOW FLOW			114	Aug 12	31	Sep 25 1999
ANNUAL RUNOFF (CFSM)	2.72		1.98		2.35	
ANNUAL RUNOFF (INCHES)	36.93		27.02		31.97	
10 PERCENT EXCEEDS	590		446		638	
50 PERCENT EXCEEDS	372		245		272	
90 PERCENT EXCEEDS	203		156		121	

e Estimated
a Also Aug 11

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 187
LATITUDE 343141 LONGITUDE 0835623 NAD83 DRAINAGE AREA 153.00* CONTRIBUTING DRAINAGE AREA DATUM 1128.60 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.35	1.25	1.71	1.52	1.52	1.57	1.44	1.43	1.30	2.25	1.07	1.46
2	1.32	1.24	1.62	1.50	1.56	2.03	1.41	1.78	1.17	2.75	1.15	1.44
3	1.30	1.22	1.56	1.49	2.14	2.03	1.40	1.69	1.12	2.23	1.28	1.22
4	1.30	1.22	1.62	1.48	1.80	1.81	1.38	1.53	1.10	2.11	1.04	1.08
5	1.29	1.25	1.66	1.60	1.70	1.73	1.37	1.47	1.07	1.86	1.01	1.01
6	1.28	1.66	1.56	1.65	3.64	1.85	1.36	1.42	1.05	1.62	1.10	0.95
7	1.27	1.44	1.51	1.54	3.17	1.78	1.35	1.37	1.04	1.51	0.95	3.41
8	1.27	1.34	1.48	1.51	2.34	1.70	1.35	1.33	1.17	1.42	0.92	5.62
9	1.28	1.29	1.45	1.53	2.08	1.68	1.34	1.31	1.16	1.36	0.90	2.84
10	1.28	1.27	2.47	1.50	1.96	1.68	1.33	1.32	1.12	1.31	0.89	2.03
11	1.28	1.26	2.47	1.46	1.87	1.63	1.35	1.30	1.16	1.26	0.89	1.71
12	1.27	1.24	2.00	1.44	2.04	1.60	1.39	1.51	1.09	1.22	1.19	1.55
13	1.24	1.23	1.84	1.43	1.90	1.57	2.70	1.49	1.22	1.19	1.12	1.44
14	1.23	1.20	2.12	1.42	1.82	1.56	2.03	1.50	1.16	1.14	0.97	1.37
15	1.22	1.21	1.92	1.41	2.11	1.56	1.74	1.40	1.31	1.12	0.93	1.31
16	1.20	1.19	1.80	1.39	2.22	1.59	1.63	1.36	1.88	1.08	1.01	2.62
17	1.19	1.23	1.91	1.38	1.96	1.55	1.56	1.44	1.39	1.08	1.19	9.28
18	1.20	1.30	1.80	1.50	1.87	1.51	1.51	1.38	1.24	1.13	1.08	4.00
19	1.18	5.32	1.75	1.44	1.80	1.50	1.47	1.43	1.19	1.05	0.96	2.73
20	1.17	2.55	1.68	1.39	1.76	1.48	1.45	1.45	1.11	1.02	0.93	2.24
21	1.16	1.96	1.63	1.37	1.73	1.58	1.42	1.35	1.32	1.01	1.25	1.99
22	1.15	1.75	1.61	1.36	1.68	1.48	1.40	---	1.34	0.98	1.08	1.83
23	1.14	1.63	1.60	1.34	1.66	1.46	1.38	---	1.56	0.96	1.02	1.71
24	1.14	1.73	1.86	1.34	1.65	1.45	1.36	1.22	2.12	0.94	1.08	1.63
25	1.14	1.67	1.67	2.09	1.63	1.44	1.34	1.19	1.96	1.01	1.02	1.57
26	2.03	1.57	1.61	2.56	1.65	1.44	1.71	1.17	1.93	1.05	0.96	1.51
27	1.95	1.65	1.58	1.97	1.67	1.42	1.64	1.15	1.72	1.29	0.92	1.57
28	1.49	2.18	1.55	1.77	1.63	1.42	1.46	1.12	2.18	1.13	0.95	2.56
29	1.37	2.05	1.53	1.67	1.58	1.42	1.41	1.11	1.64	1.03	1.09	1.77
30	1.30	1.83	1.65	1.62	---	1.57	1.39	1.13	1.53	1.19	1.08	1.60
31	1.27	---	1.55	1.56	---	1.51	---	1.49	---	1.18	0.99	---
MEAN	1.30	1.63	1.73	1.56	1.94	1.60	1.50	---	1.38	1.34	1.03	2.23
MAX	2.03	5.32	2.47	2.56	3.64	2.03	2.70	---	2.18	2.75	1.28	9.28
MIN	1.14	1.19	1.45	1.34	1.52	1.42	1.33	---	1.04	0.94	0.89	0.95

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 187
LATITUDE 343141 LONGITUDE 0835623 NAD83 DRAINAGE AREA 153.00* CONTRIBUTING DRAINAGE AREA DATUM 1128.60 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.33	0.01	0.65
2	0.00	0.00	0.00	0.00	0.84	1.32	0.00	0.85	0.00	0.00	0.18	0.67
3	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	---	0.00	0.00
4	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
5	0.00	0.46	0.00	0.47	0.07	0.00	0.00	0.00	0.00	---	0.24	0.00
6	0.00	0.83	0.00	0.00	1.42	0.28	0.00	0.00	0.00	---	0.00	0.02
7	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	---	0.00	3.58
8	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.58
9	0.00	0.00	0.00	0.01	0.00	0.09	0.00	0.02	0.15	0.00	0.00	0.00
10	0.00	0.00	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.02	0.00	0.00	0.00	0.05	0.00	0.18	0.30	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.55	0.00	0.51	0.66	0.31	0.09	1.13	0.00
13	0.01	0.00	0.48	0.00	0.01	0.00	0.95	0.22	0.15	0.00	0.00	0.00
14	0.03	0.00	0.25	0.00	0.12	0.00	0.02	0.00	0.02	0.08	0.00	0.00
15	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.01	0.99	0.00	0.00	0.00
16	0.00	0.00	0.12	0.00	0.00	0.18	0.00	0.15	0.05	0.00	0.00	3.56
17	0.00	0.41	0.16	0.13	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.36
18	0.00	1.97	0.01	0.24	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00
19	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.68	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.05	0.00
22	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.12	1.67	0.00	0.00	0.00
23	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
24	0.00	0.06	0.04	0.00	0.05	0.00	0.00	0.00	0.30	0.15	0.09	0.00
25	0.00	0.00	0.00	2.10	0.02	0.00	0.01	0.00	0.98	0.82	0.00	0.00
26	2.62	0.00	0.00	0.01	0.15	0.00	0.76	0.00	0.00	1.05	0.00	0.00
27	0.01	0.08	0.00	0.00	0.27	0.00	0.00	0.00	2.26	0.00	0.06	1.64
28	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.10
29	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.03	0.00
30	0.00	0.00	0.14	0.00	---	0.52	0.03	0.05	0.27	0.06	0.00	0.00
31	0.00	---	0.00	0.00	---	0.01	---	1.05	---	0.00	0.00	---
TOTAL	2.71	5.23	3.66	3.00	4.31	2.48	2.47	4.22	8.29	---	2.48	11.16

APALACHICOLA RIVER BASIN
2004 Water Year

02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA

LOCATION.—Lat 34°04'30", long 84°04'20", referenced to North American Datum (NAD) of 1927, Forsyth County, Hydrologic Unit 03130001, at forebay of dam on Chattahoochee River, 2.5 miles upstream from bridge on GA 20, 4.5 miles northwest of Buford, and at mile 348.3.

REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

2004 Water Year

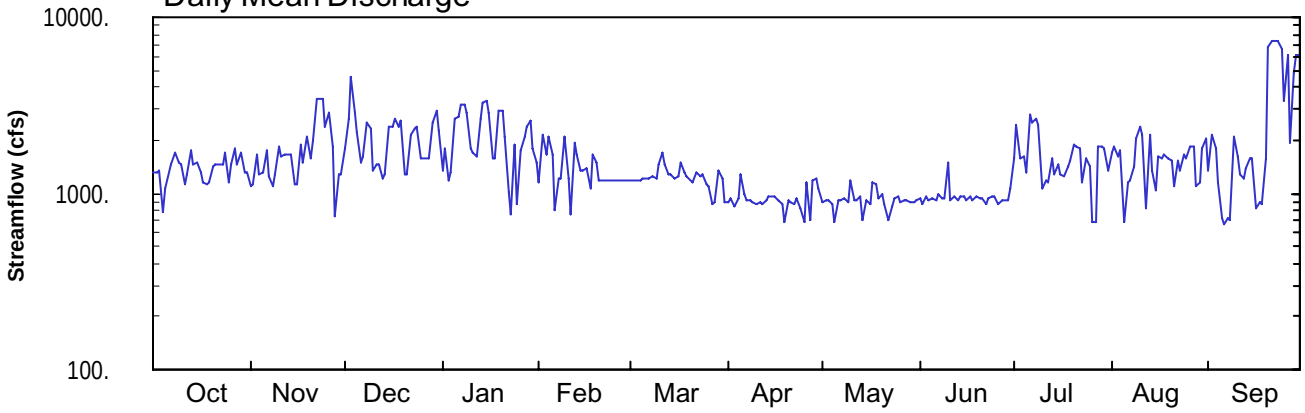
APALACHICOLA RIVER BASIN

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA

Latitude: 34°09'25" Longitude: 084°04'44" Hydrologic Unit Code: 03130001

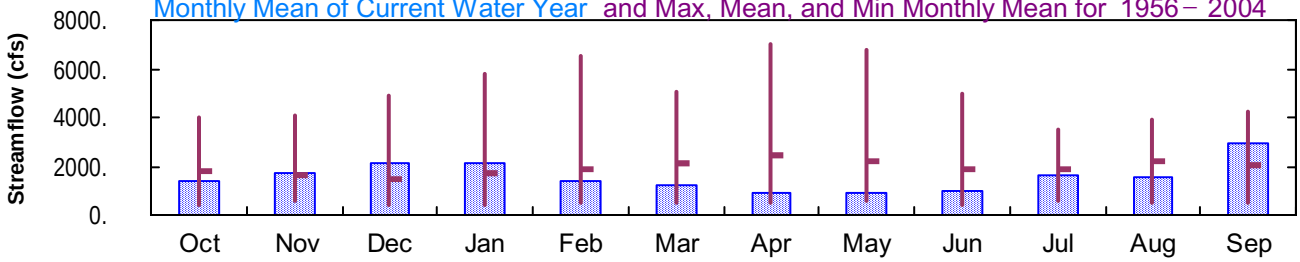
Gwinnett County Datum: 912.04 feet Drainage Area: 1040. mi²

Daily Mean Discharge

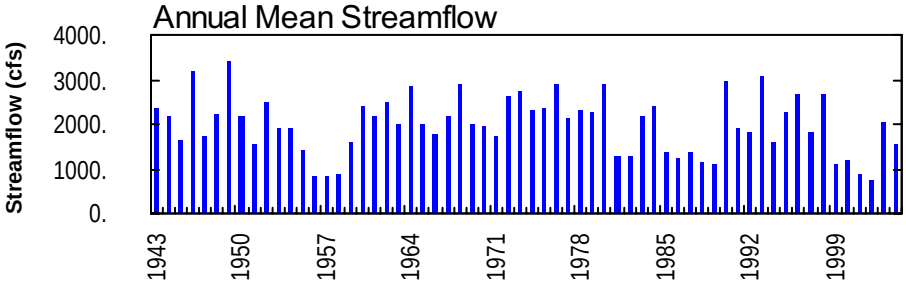


Monthly Statistics

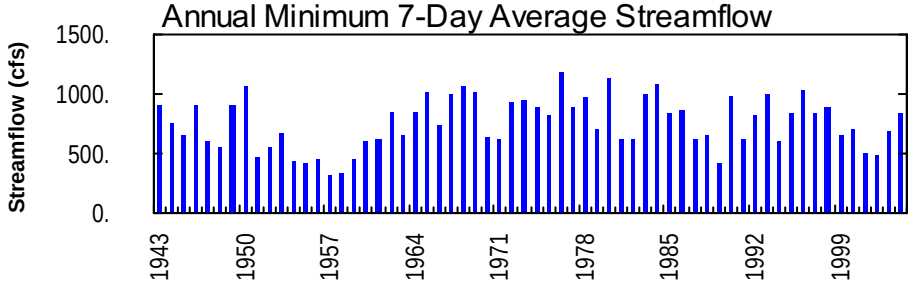
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1956 – 2004



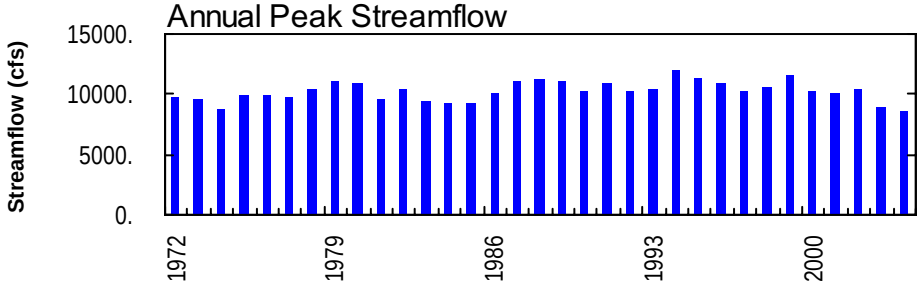
Annual Mean Streamflow

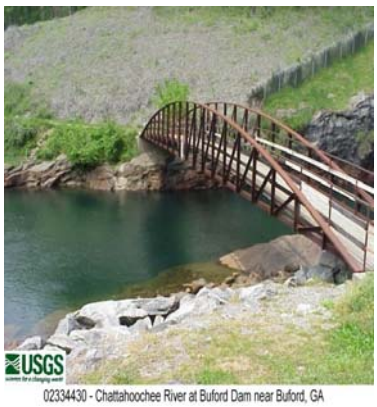


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02334430 - Chattahoochee River at Buford Dam near Buford, GA

APALACHICOLA RIVER BASIN
2004 Water Year

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA

LOCATION.—Lat 34°09'25", long 84°04'44", referenced to North American Datum (NAD) of 1983, Gwinnett-Forsyth County line, Hydrologic Unit 03130001, on right bank 1,200 feet downstream from Buford Dam, 2.4 miles upstream from bridge on GA 20, 4.0 miles northwest of Buford, and at mile 348.1.

DRAINAGE AREA.—1,040 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July to December 1901 (figures of daily discharge for the months of August and December, published in WSP 197, are unreliable and should not be used), October 1941 to current year. Prior to October 1971, published as 02334500, Chattahoochee River "near Buford". Monthly discharge only for July to December 1901, October 1941 to January 1942, published in WSP 1304.

REVISED RECORDS.—WDR GA-79-1: 1972-78 (maximum gage heights only). WDR GA-90-1: 1986-89 (maximum gage heights only). See also PERIOD OF RECORD.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 912.04 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). From June 24 to December 21, 1901, and January 27, 1942, to December 3, 1944, a non-recording gage was installed, and from December 4, 1944, to December 31, 1947, a water-stage recorder was located at site 2.5 miles downstream, and from January 1, 1948, to September 30, 1971, a water-stage recorder was located at site 2.4 miles downstream, all at different datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1921, that of Jan. 8, 1946, gage-height of 32.60 feet, from floodmarks, at site and datum then in use; discharge, 55,000 cfs, from rating curve extended above 13,000 cfs, on basis of peak flows passing upstream and downstream of station.

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July to December 1901 (figures of daily discharge for the months of August and December, published in WSP 197, are unreliable and should not be used), October 1941 to current year. Prior to October 1971, published as 02334500, Chattahoochee River "near Buford". Monthly discharge only for July to December 1901, October 1941 to January 1942, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 912.04 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). From June 24 to December 21, 1901, and January 27, 1942, to December 3, 1944, a non-recording gage was installed, and from December 4, 1944, to December 31, 1947, a water-stage recorder was located at site 2.5 miles downstream, and from January 1, 1948, to September 30, 1971, a water-stage recorder was located at site 2.4 miles downstream, all at different datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 4.61 feet, November 21; minimum gage-height recorded, -0.99 feet, December 22, June 10.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340925 LONGITUDE 0840444 NAD83 DRAINAGE AREA 1040.00 CONTRIBUTING DRAINAGE AREA 1040* DATUM 912.04 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1330	1100	1810	1350	1140	1190	897	896	939	1590	1710	1350
2	1330	1120	2650	1800	2140	1190	935	922	876	2450	1850	2170
3	1330	1670	4570	1200	1680	1190	844	910	966	1590	1600	1800
4	776	1290	2900	1320	2120	1190	938	875	922	1630	1760	1140
5	1050	1300	2210	2630	1640	1200	1300	694	938	1300	684	720
6	1310	1770	1490	2720	793	1230	981	915	924	2780	1150	671
7	1470	1240	1620	3180	1210	1220	909	908	979	2490	1190	714
8	1690	1090	2510	3180	1210	1240	908	941	927	2660	1410	699
9	1500	1280	2350	2830	2110	1220	889	889	934	2450	2040	2100
10	1440	1840	1350	1800	1220	1440	871	1170	1490	1070	2420	1620
11	1120	1640	1470	1720	755	1710	891	916	908	1180	2160	1280
12	1270	1670	1460	1620	1930	1460	866	906	962	1160	829	1200
13	1730	1660	1210	2640	1670	1290	916	950	919	1580	2170	1370
14	1480	1660	1290	3230	1350	1270	967	700	953	1290	1350	1590
15	1510	1130	2420	3330	1350	1220	954	901	957	1440	1050	1590
16	1330	1120	2390	2890	1380	1240	971	876	911	1280	1600	833
17	1140	1890	2680	1580	1070	1480	919	1150	954	1240	1580	888
18	1130	1510	2390	1580	1650	1300	868	1140	924	1410	1640	871
19	1140	2080	2590	2970	1480	1240	685	934	969	1530	1590	1590
20	1440	1590	1290	2950	1170	1180	914	979	949	1870	1530	6720
21	1450	1970	1270	2090	1170	1140	885	874	935	1860	1100	7260
22	1450	3450	2140	1020	1170	1310	877	700	867	1810	1530	7290
23	1470	3440	2320	753	1180	1240	940	851	934	1170	1360	7320
24	1690	3460	2390	1900	1180	1260	819	937	974	1560	1640	6620
25	1160	2390	1570	876	1190	1120	694	961	967	1410	1590	3380
26	1470	2900	1570	1760	1190	1110	1150	890	875	688	1860	6050
27	1780	1830	1570	2110	1190	872	698	917	918	685	1820	1960
28	1470	748	1570	2390	1190	893	1190	923	918	1840	1090	4800
29	1690	1280	2510	e2600	1190	1350	1210	886	914	1840	1150	6040
30	1320	1300	2940	e1800	---	1210	1060	882	1070	1780	1810	6050
31	1300	---	2250	1500	---	900	---	908	---	1350	2030	---
TOTAL	42766	52418	64750	65319	39718	38105	27946	28301	28673	49983	48293	87686
MEAN	1380	1747	2089	2107	1370	1229	932	913	956	1612	1558	2923
MAX	1780	3460	4570	3330	2140	1710	1300	1170	1490	2780	2420	7320
MIN	776	748	1210	753	755	872	685	694	867	685	684	671
CFSM	1.33	1.68	2.01	2.03	1.32	1.18	0.90	0.88	0.92	1.55	1.50	2.81
IN.	1.53	1.87	2.32	2.34	1.42	1.36	1.00	1.01	1.03	1.79	1.73	3.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)

MEAN	1791	1665	1461	1742	1887	2106	2452	2172	1863	1906	2184	2033
MAX	3983	4093	4900	5833	6504	5077	6996	6799	4968	3483	3921	4266
(WY)	1992	1975	1993	1993	1996	1990	1964	1964	1973	2003	1971	1967
MIN	427	536	432	431	507	463	481	565	424	532	486	483
(WY)	1958	1958	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1956 - 2004	
ANNUAL TOTAL	826394		573958			
ANNUAL MEAN	2264		1568		1938	
HIGHEST ANNUAL MEAN					3089	1993
LOWEST ANNUAL MEAN					757	2002
HIGHEST DAILY MEAN	7610	May 9	7320	Sep 23	9710	May 19 1964
LOWEST DAILY MEAN	501	May 7	671	Sep 6	262	May 18 1958
ANNUAL SEVEN-DAY MINIMUM	767	Jan 1	831	Apr 19	309	Jun 11 1957
MAXIMUM PEAK FLOW			8640	Nov 21	55000	Jan 8 1946
MAXIMUM PEAK STAGE			4.61	Nov 21	32.60	Jan 8 1946
ANNUAL RUNOFF (CFSM)	2.18		1.51		1.86	
ANNUAL RUNOFF (INCHES)	29.56		20.53		25.32	
10 PERCENT EXCEEDS	4800		2500		4260	
50 PERCENT EXCEEDS	1710		1300		1290	
90 PERCENT EXCEEDS	823		880		543	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340925 LONGITUDE 0840444 NAD83 DRAINAGE AREA 1040.00 CONTRIBUTING DRAINAGE AREA 1040* DATUM 912.04 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	-0.13	0.37	-0.01	-0.11	0.05	-0.32	-0.31	-0.28	0.17	0.29	0.00
2	0.03	-0.12	0.98	0.30	0.58	0.05	-0.30	-0.29	-0.32	0.77	0.35	0.57
3	0.04	0.27	2.25	-0.10	0.25	0.05	-0.35	-0.30	-0.26	0.17	0.17	0.34
4	-0.37	0.00	1.09	-0.03	0.56	0.05	-0.29	-0.32	-0.29	0.20	0.29	-0.15
5	-0.15	0.01	0.66	0.90	0.23	0.06	-0.02	-0.46	-0.28	-0.03	-0.47	-0.45
6	0.02	0.34	0.15	0.96	-0.35	0.08	-0.24	-0.29	-0.29	1.01	-0.14	-0.49
7	0.13	-0.03	0.23	1.27	-0.07	0.08	-0.31	-0.30	-0.25	0.82	-0.11	-0.44
8	0.29	-0.14	0.88	1.28	-0.06	0.10	-0.31	-0.28	-0.29	0.93	0.07	-0.45
9	0.15	-0.01	0.77	1.04	0.56	0.08	-0.32	-0.31	-0.28	0.79	0.49	0.52
10	0.13	0.39	-0.01	0.31	-0.06	0.23	-0.33	-0.11	0.13	-0.19	0.75	0.21
11	-0.11	0.25	0.06	0.27	-0.39	0.36	-0.32	-0.30	-0.31	-0.11	0.56	-0.04
12	0.00	0.27	0.05	0.19	0.43	0.12	-0.34	-0.30	-0.27	-0.13	-0.37	-0.08
13	0.34	0.26	-0.12	0.89	0.25	-0.01	-0.30	-0.27	-0.30	0.19	0.56	0.01
14	0.14	0.27	-0.08	1.33	0.04	-0.02	-0.27	-0.45	-0.28	-0.02	0.02	0.16
15	0.16	-0.11	0.76	1.40	0.03	-0.05	-0.27	-0.30	-0.27	0.09	-0.21	0.16
16	0.03	-0.12	0.75	1.05	0.05	-0.04	-0.27	-0.32	-0.30	-0.03	0.17	-0.32
17	-0.10	0.44	0.99	0.15	-0.09	0.12	-0.30	-0.13	-0.27	-0.05	0.16	-0.25
18	-0.11	0.18	0.77	0.15	0.47	0.02	-0.33	-0.14	-0.29	0.06	0.20	-0.26
19	-0.10	0.60	0.84	1.11	0.32	-0.05	-0.47	-0.28	-0.27	0.14	0.16	0.22
20	0.12	0.20	-0.08	1.11	0.03	-0.11	-0.30	-0.25	-0.28	0.36	0.14	3.62
21	0.12	0.48	-0.09	0.68	0.03	-0.13	-0.32	-0.32	-0.29	0.36	-0.17	3.92
22	0.12	1.48	0.56	-0.21	0.03	-0.02	-0.33	-0.45	-0.33	0.32	0.12	3.93
23	0.14	1.47	0.70	-0.39	0.04	-0.07	-0.28	-0.34	-0.28	-0.12	0.00	3.95
24	0.29	1.48	0.73	0.40	0.04	-0.06	-0.37	-0.28	-0.26	0.15	0.20	3.57
25	-0.09	0.79	0.15	-0.29	0.05	-0.16	-0.46	-0.27	-0.26	0.04	0.17	1.42
26	0.15	1.16	0.15	0.32	0.05	-0.18	-0.13	-0.31	-0.32	-0.47	0.35	3.26
27	0.38	0.41	0.14	0.56	0.05	-0.34	-0.46	-0.29	-0.29	-0.47	0.32	0.44
28	0.14	-0.40	0.14	0.76	0.05	-0.32	-0.11	-0.29	-0.29	0.34	-0.18	2.40
29	0.29	-0.01	0.81	---	0.05	-0.01	-0.06	-0.32	-0.29	0.34	-0.15	3.26
30	0.03	0.00	1.11	---	---	-0.09	-0.19	-0.32	-0.18	0.30	0.32	3.26
31	0.01	---	0.63	0.13	---	-0.32	---	-0.30	---	0.03	0.47	---

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA

LOCATION.—Lat 34°09'25", long 84°04'44", referenced to North American Datum (NAD) of 1983, Gwinnett-Forsyth County line, Hydrologic Unit 03130001, on right bank 1,200 feet downstream from Buford Dam, 2.4 miles upstream from bridge on GA 20, 4.0 miles northwest of Buford, and at mile 348.1.

DRAINAGE AREA.—1,040 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—September 4, 1973, February 5, 1974, August 16, 1976, January 31, 2004 to September 30, 2004**.**

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: January 31, 2004 to September 30, 2004**.**

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 15.2°C, September 16; minimum recorded, 11.6°C, September 30, 2003.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340925 LONGITUDE 0840444 NAD83 DRAINAGE AREA 1040.00 CONTRIBUTING DRAINAGE AREA 1040 DATUM 912.04 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	8.6	7.6	7.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340925 LONGITUDE 0840444 NAD83 DRAINAGE AREA 1040.00 CONTRIBUTING DRAINAGE AREA 1040 DATUM 912.04 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	7.6	7.9	7.8	7.1	7.3	8.6	7.3	7.7	8.6	7.9	8.1
2	7.8	6.9	7.6	7.8	7.1	7.3	8.8	7.4	7.8	8.7	7.9	8.2
3	8.3	7.3	7.6	7.6	7.2	7.3	9.1	7.4	7.9	9.0	7.7	8.1
4	8.1	7.3	7.5	7.5	7.2	7.3	8.9	7.4	7.9	9.2	7.7	8.2
5	7.5	7.2	7.4	7.5	7.2	7.3	9.0	7.4	8.0	9.3	7.8	8.3
6	7.8	7.1	7.4	7.7	7.1	7.3	9.1	7.4	8.0	9.4	7.8	8.4
7	7.3	7.1	7.2	7.8	7.0	7.3	8.9	7.5	8.0	9.4	7.9	8.4
8	8.0	7.0	7.2	7.8	7.0	7.4	9.0	7.6	8.0	9.3	7.9	8.4
9	7.3	7.0	7.1	7.7	7.1	7.3	9.0	7.5	8.1	9.2	7.9	8.4
10	7.3	7.0	7.1	7.9	7.2	7.4	8.7	7.5	7.9	---	---	---
11	7.3	7.0	7.1	8.3	7.2	7.5	8.5	7.6	7.9	9.0	8.0	8.3
12	7.2	7.0	7.1	8.4	7.1	7.5	8.4	7.8	7.9	8.7	8.0	8.3
13	8.0	7.0	7.2	8.3	7.0	7.5	8.8	7.6	7.9	8.9	8.0	8.3
14	7.2	7.0	7.1	8.6	7.3	7.6	8.9	7.5	8.0	8.7	8.0	8.2
15	7.4	7.0	7.2	8.2	7.4	7.7	9.1	7.5	8.1	9.3	8.0	8.3
16	7.3	7.0	7.1	8.5	7.3	7.7	9.3	7.6	8.2	9.6	7.9	8.4
17	7.4	6.9	7.0	8.5	7.2	7.7	9.4	7.7	8.2	9.2	8.0	8.4
18	7.4	6.9	7.0	8.3	7.2	7.5	9.4	7.7	8.3	8.9	8.0	8.3
19	7.3	6.8	7.0	9.0	7.3	7.8	9.3	7.7	8.2	9.1	8.0	8.3
20	7.2	6.8	7.0	8.8	7.3	7.8	9.2	7.8	8.2	9.2	8.0	8.4
21	7.4	6.8	7.0	8.7	7.2	7.8	9.1	7.8	8.2	9.2	8.0	8.4
22	7.6	6.9	7.1	8.6	7.1	7.7	9.4	7.8	8.3	9.2	8.0	8.2
23	7.2	6.9	7.0	8.7	7.1	7.8	9.0	7.8	8.3	9.0	8.0	8.3
24	7.3	7.0	7.1	9.0	7.3	7.9	9.2	7.8	8.3	9.2	8.0	8.4
25	7.6	7.0	7.4	9.0	7.3	8.0	9.0	7.8	8.2	9.3	8.0	8.5
26	7.5	7.2	7.3	9.1	7.4	8.0	8.7	7.8	8.1	9.2	8.0	8.5
27	7.4	7.1	7.2	8.8	7.4	7.9	9.2	7.7	8.1	9.2	8.0	8.5
28	7.8	7.0	7.2	9.0	7.5	8.0	9.2	7.6	8.3	9.1	8.0	8.4
29	7.6	7.0	7.2	8.9	7.6	8.1	9.0	7.8	8.3	8.8	8.1	8.3
30	---	---	---	8.9	7.6	7.9	8.6	8.0	8.2	9.0	8.1	8.4
31	---	---	---	8.2	7.4	7.7	---	---	---	9.1	8.0	8.4
MONTH	8.5	6.8	7.2	9.1	7.0	7.6	9.4	7.3	8.1	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340925 LONGITUDE 0840444 NAD83 DRAINAGE AREA 1040.00 CONTRIBUTING DRAINAGE AREA 1040 DATUM 912.04 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.1	8.0	8.4	9.6	8.3	8.7	10.0	8.5	9.1	10.5	8.8	9.2
2	9.4	8.0	8.5	9.5	8.3	8.8	10.0	8.6	9.3	10.5	8.8	9.5
3	9.3	8.0	8.4	9.5	8.3	8.8	9.9	8.5	9.1	10.3	9.0	9.4
4	9.2	8.1	8.5	9.6	8.3	8.9	10.0	8.6	9.2	10.4	8.9	9.4
5	9.2	8.0	8.4	9.7	8.3	8.9	9.8	8.5	8.8	10.2	8.9	9.4
6	9.0	8.1	8.4	9.7	8.3	9.0	10.1	8.5	9.1	9.8	9.2	9.4
7	9.2	8.1	8.4	9.6	8.3	8.9	9.9	8.5	9.1	13.0	9.2	9.8
8	9.4	8.2	8.5	9.7	8.3	9.1	9.9	8.5	9.1	9.7	8.9	9.2
9	9.3	8.1	8.5	9.7	8.4	9.0	10.1	8.5	9.1	10.7	8.8	9.7
10	9.8	8.1	8.5	9.6	8.4	8.8	10.1	8.6	9.2	10.6	8.9	9.7
11	9.3	8.1	8.6	9.8	8.4	8.8	10.2	8.6	9.3	10.7	8.9	9.6
12	9.3	8.1	8.6	12.9	8.4	9.0	10.2	8.6	8.9	10.6	8.9	9.5
13	9.4	8.3	8.5	9.6	8.4	8.9	10.2	8.5	9.2	10.6	9.0	9.4
14	9.2	8.2	8.5	9.7	8.4	8.9	10.2	8.6	9.3	10.7	9.0	9.6
15	9.5	8.2	8.5	9.6	8.3	8.9	10.2	8.8	9.2	10.8	9.1	9.6
16	9.3	8.2	8.5	9.5	8.3	8.8	10.1	8.6	9.2	15.2	9.2	9.9
17	9.5	8.2	8.6	10.4	8.4	8.7	10.2	8.6	9.2	10.2	9.0	9.5
18	9.3	8.2	8.6	9.7	8.4	8.9	10.2	8.7	9.3	10.3	8.9	9.3
19	9.5	8.2	8.6	9.8	8.4	9.0	10.2	8.6	9.2	10.9	8.9	9.6
20	9.4	8.2	8.6	9.8	8.4	9.0	10.2	8.6	9.2	11.4	10.9	11.2
21	9.4	8.3	8.5	9.8	8.4	9.1	10.1	8.7	9.1	11.3	11.1	11.2
22	9.3	8.2	8.5	9.8	8.4	9.0	10.4	8.7	9.4	11.3	11.1	11.2
23	9.4	8.2	8.5	9.9	8.5	9.0	10.2	8.8	9.2	11.4	11.2	11.3
24	9.4	8.2	8.6	9.9	8.5	9.1	10.4	8.7	9.2	11.4	11.1	11.3
25	10.8	8.3	8.7	10.5	8.6	9.0	10.3	8.8	9.3	11.3	9.5	10.7
26	9.2	8.2	8.5	9.5	8.5	8.8	10.4	8.8	9.4	11.5	11.1	11.3
27	11.2	8.2	8.6	9.1	8.5	8.6	10.4	8.7	9.5	11.7	9.9	10.5
28	9.1	8.2	8.5	9.9	8.5	9.1	10.2	8.7	9.3	11.5	9.5	11.0
29	9.3	8.3	8.6	10.4	8.5	9.1	10.4	8.7	9.2	11.5	11.3	11.4
30	10.5	8.3	8.6	9.7	8.6	9.1	10.4	8.7	9.3	11.6	11.4	11.5
31	---	---	---	9.8	8.6	9.0	10.4	8.7	9.5	---	---	---
MONTH	11.2	8.0	8.5	12.9	8.3	8.9	10.4	8.5	9.2	15.2	8.8	10.1

2004 Water Year

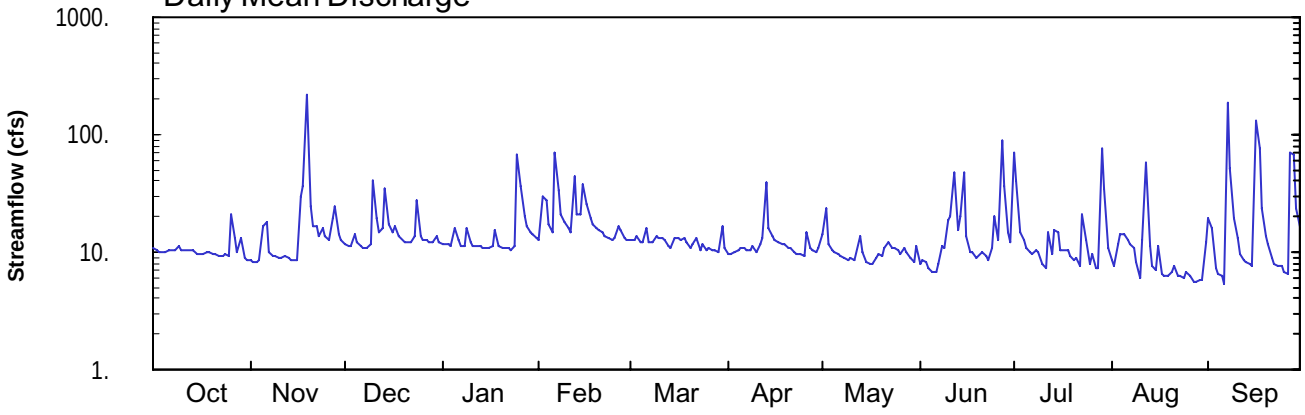
APALACHICOLA RIVER BASIN

02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA

Latitude: 34°07'57" Longitude: 084°04'12" Hydrologic Unit Code: 03130001

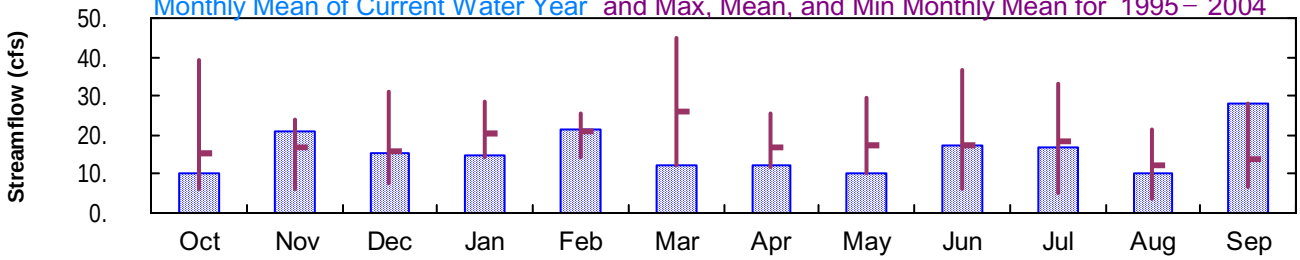
Gwinnett County Datum: 920.00 feet Drainage Area: 9.34 mi^2

Daily Mean Discharge

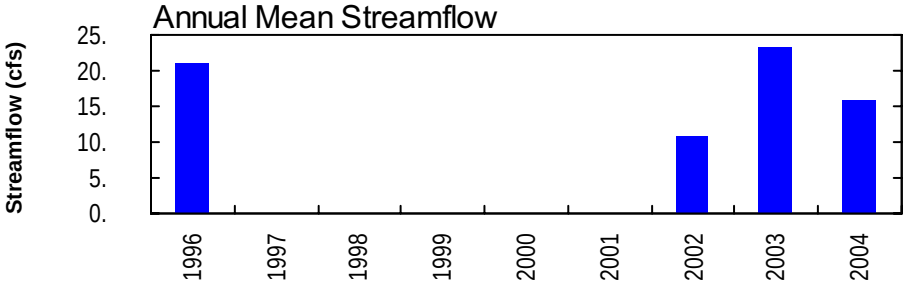


Monthly Statistics

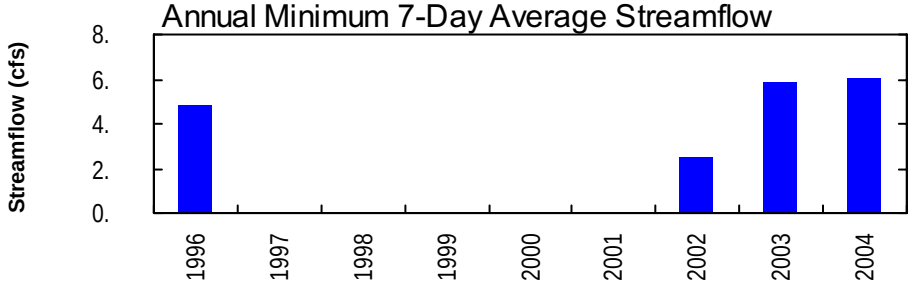
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1995 – 2004



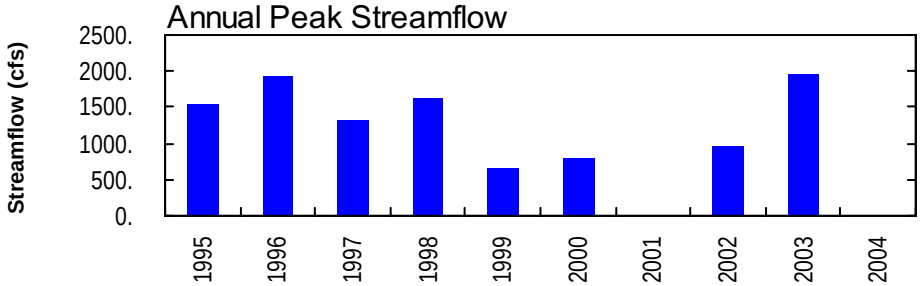
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02334480 RICHLAND CREEK ON SUWANEE DAM ROAD, NEAR BUFORD, GA

LOCATION.—Lat 34°07'57", long 84°04'12", referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, at concrete box culvert on Suwanee Dam Road near Buford, 7.0 miles south of Buford Dam, and 1.25 river miles from the confluence of the Chattahoochee River.

DRAINAGE AREA.—9.34 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1, 1995 to January 6, 1997 (continuous record); 1998 to May 17, 2001 (non-continuous record); May 17, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1995 to January 6, 1997, continuous recorder at same site. From 1998 to May 17, 2001, operated as a crest-stage gage at same location.

REMARKS.—Records good, except for discharges over 2000 cfs, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1, 1995 to January 6, 1997 (continuous record); 1998 to May 17, 2001 (non-continuous record); May 17, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1995 to January 6, 1997, continuous recorder at same site. From 1998 to May 17, 2001, operated as a crest-stage gage at same location.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.19 feet, September 16; minimum gage-height recorded, 0.39 feet, August 27, 28, 29, 30, September 5, 6, 7.

02334480 RICHLAND CREEK ON SUWANEE DAM ROAD, NEAR BUFORD, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 17, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34* DATUM 920.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	8.5	12	12	13	12	9.7	14	8.1	72	8.4	19
2	10	8.3	11	12	29	12	9.5	24	8.5	41	7.7	16
3	10	8.4	11	12	28	14	9.9	12	8.1	15	12	7.4
4	10	8.6	14	11	17	12	10	10	7.2	13	14	6.6
5	10	16	12	16	15	12	11	10	6.8	11	14	6.1
6	10	18	11	13	72	16	11	9.5	6.7	9.9	13	5.3
7	11	9.9	11	11	34	12	10	9.2	7.8	9.7	12	189
8	11	9.4	11	11	21	12	10	8.8	11	10	11	51
9	11	9.1	11	16	18	14	11	8.5	11	9.8	8.4	19
10	10	8.9	41	12	16	13	10	8.8	18	8.0	6.1	13
11	10	9.0	19	11	15	13	12	8.7	20	7.4	13	9.5
12	10	9.3	15	11	44	13	13	9.9	47	15	58	8.5
13	10	8.8	16	11	21	11	39	14	15	9.7	11	8.3
14	10	8.5	34	11	21	11	16	10	20	16	7.6	7.9
15	9.6	8.6	17	11	38	13	14	8.3	47	15	7.0	7.6
16	9.6	8.7	15	11	26	13	13	8.0	14	11	11	129
17	9.8	30	17	11	19	12	12	8.0	9.9	10	6.6	75
18	10	37	14	15	17	13	12	8.8	10	10	6.3	24
19	9.9	221	13	11	16	12	12	9.5	8.8	9.4	6.2	14
20	9.8	25	12	11	15	11	11	9.4	9.6	8.5	6.8	12
21	9.7	17	12	11	15	12	11	11	10	8.8	7.5	8.8
22	9.3	16	12	11	14	13	10	12	9.2	7.5	6.2	8.0
23	9.2	14	14	10	13	11	9.7	11	8.7	21	6.4	7.6
24	9.4	16	27	11	13	12	9.5	11	11	12	6.0	7.5
25	9.4	14	14	68	13	10	9.3	11	20	7.9	6.8	6.8
26	21	12	13	36	17	11	15	9.5	12	9.6	6.2	6.4
27	13	19	12	20	16	10	11	11	90	7.4	5.6	69
28	10	25	12	17	13	10	10	10	36	7.4	5.5	68
29	13	14	12	15	13	10	9.9	8.8	15	76	5.9	23
30	8.8	12	14	14	---	17	11	8.2	12	35	5.9	16
31	8.5	---	12	13	---	11	---	11	---	11	12	---
TOTAL	324.0	630.0	471	466	622	378	362.5	323.9	518.4	515.0	314.1	849.3
MEAN	10.5	21.0	15.2	15.0	21.4	12.2	12.1	10.4	17.3	16.6	10.1	28.3
MAX	21	221	41	68	72	17	39	24	90	76	58	189
MIN	8.5	8.3	11	10	13	10	9.3	8.0	6.7	7.4	5.5	5.3
CFSM	1.12	2.25	1.63	1.61	2.30	1.31	1.29	1.12	1.85	1.78	1.08	3.03
IN.	1.29	2.51	1.88	1.86	2.48	1.51	1.44	1.29	2.06	2.05	1.25	3.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	15.1	16.7	15.9	20.4	21.0	25.8	16.7	17.5	17.4	18.3	12.1	13.8
MAX	39.3	23.8	30.9	28.5	25.5	45.1	25.5	29.5	36.6	32.9	21.2	28.3
(WY)	1996	1996	2003	1996	1996	1996	1996	2003	2003	2003	2001	2004
MIN	5.88	5.94	7.89	14.4	14.1	12.2	11.6	10.4	6.11	5.25	3.51	6.64
(WY)	2002	2002	2002	2003	2002	2004	2002	2004	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	7851.3		5774.2			
ANNUAL MEAN	21.5		15.8		17.7	
HIGHEST ANNUAL MEAN					23.3	2003
LOWEST ANNUAL MEAN					10.8	2002
HIGHEST DAILY MEAN	257	Jul 1	221	Nov 19	514	Oct 5 1995
LOWEST DAILY MEAN	8.3	Nov 2	5.3	Sep 6	2.3	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	8.8	Nov 10	6.0	Aug 24	2.5	Aug 19 2002
MAXIMUM PEAK STAGE			9.19	Sep 16	9.19	Sep 16 2004
ANNUAL RUNOFF (CFSM)	2.30		1.69		1.90	
ANNUAL RUNOFF (INCHES)	31.27		23.00		25.77	
10 PERCENT EXCEEDS	32		22		27	
50 PERCENT EXCEEDS	15		11		11	
90 PERCENT EXCEEDS	9.9		7.9		5.6	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34* DATUM 920.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.52	0.47	0.54	0.53	0.55	0.55	0.50	0.57	0.45	1.13	0.47	0.67
2	0.51	0.47	0.53	0.53	0.78	0.55	0.49	0.72	0.46	0.97	0.45	0.59
3	0.50	0.47	0.52	0.53	0.80	0.57	0.50	0.53	0.45	0.58	0.53	0.44
4	0.50	0.47	0.58	0.53	0.63	0.54	0.51	0.50	0.43	0.54	0.58	0.43
5	0.50	0.60	0.55	0.60	0.60	0.55	0.52	0.49	0.42	0.50	0.58	0.42
6	0.51	0.63	0.53	0.55	1.31	0.61	0.51	0.48	0.42	0.49	0.55	0.39
7	0.51	0.50	0.52	0.53	0.88	0.54	0.51	0.48	0.44	0.48	0.53	2.24
8	0.51	0.49	0.52	0.53	0.69	0.55	0.51	0.47	0.51	0.50	0.51	1.11
9	0.52	0.48	0.53	0.61	0.64	0.57	0.53	0.46	0.50	0.49	0.46	0.66
10	0.51	0.48	0.96	0.54	0.61	0.56	0.50	0.47	0.64	0.45	0.41	0.56
11	0.51	0.48	0.67	0.53	0.59	0.56	0.54	0.46	0.66	0.44	0.54	0.49
12	0.51	0.49	0.60	0.53	1.00	0.55	0.55	0.49	1.06	0.56	1.18	0.47
13	0.51	0.48	0.61	0.52	0.70	0.52	0.93	0.56	0.58	0.48	0.53	0.47
14	0.51	0.47	0.88	0.52	0.69	0.52	0.60	0.49	0.64	0.58	0.45	0.46
15	0.49	0.47	0.63	0.52	0.93	0.55	0.56	0.46	1.05	0.58	0.44	0.45
16	0.49	0.47	0.59	0.52	0.77	0.56	0.54	0.45	0.56	0.50	0.52	2.51
17	0.50	0.81	0.62	0.52	0.67	0.55	0.53	0.45	0.49	0.50	0.43	1.44
18	0.50	0.84	0.57	0.60	0.63	0.56	0.53	0.47	0.49	0.50	0.42	0.79
19	0.50	2.38	0.56	0.53	0.61	0.54	0.52	0.48	0.47	0.48	0.42	0.64
20	0.50	0.75	0.55	0.52	0.60	0.51	0.51	0.48	0.48	0.46	0.43	0.59
21	0.50	0.63	0.54	0.52	0.59	0.53	0.50	0.51	0.49	0.47	0.45	0.54
22	0.49	0.62	0.54	0.51	0.57	0.56	0.49	0.53	0.47	0.44	0.42	0.52
23	0.49	0.57	0.57	0.51	0.56	0.51	0.49	0.51	0.46	0.67	0.42	0.51
24	0.49	0.61	0.78	0.53	0.55	0.53	0.48	0.51	0.50	0.54	0.41	0.51
25	0.49	0.57	0.57	1.28	0.56	0.51	0.48	0.50	0.66	0.45	0.43	0.49
26	0.68	0.55	0.56	0.91	0.62	0.52	0.57	0.48	0.53	0.48	0.42	0.48
27	0.56	0.65	0.55	0.68	0.61	0.51	0.50	0.51	1.35	0.44	0.40	1.23
28	0.50	0.75	0.54	0.62	0.56	0.51	0.50	0.49	0.89	0.44	0.40	1.35
29	0.55	0.58	0.54	0.59	0.55	0.50	0.49	0.47	0.58	1.15	0.41	0.79
30	0.48	0.55	0.58	0.58	---	0.62	0.50	0.45	0.53	0.88	0.41	0.68
31	0.47	---	0.54	0.56	---	0.52	---	0.51	---	0.51	0.53	---
MEAN	0.51	0.63	0.59	0.58	0.68	0.54	0.53	0.50	0.59	0.57	0.49	0.76
MAX	0.68	2.38	0.96	1.28	1.31	0.62	0.93	0.72	1.35	1.15	1.18	2.51
MIN	0.47	0.47	0.52	0.51	0.55	0.50	0.48	0.45	0.42	0.44	0.40	0.39

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34* DATUM 920.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	1.09	0.00	0.34
2	0.00	0.00	0.00	0.00	0.83	0.16	0.00	0.36	0.00	0.40	0.00	0.07
3	0.00	0.00	0.05	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
5	0.00	0.54	0.05	0.46	0.04	0.00	0.00	0.00	0.00	0.00	0.13	0.00
6	0.01	0.02	0.00	0.00	1.19	0.37	0.00	0.00	0.00	0.00	0.00	0.01
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	4.31
8	0.09	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.10
9	0.12	0.00	0.00	0.28	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.00
10	0.05	0.00	0.94	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.01	0.00	0.00	0.01	0.11	0.00	0.21	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.71	0.00	0.81	0.64	0.04	0.61	1.21	0.00
13	0.00	0.00	0.48	0.00	0.00	0.00	0.51	0.43	0.46	0.00	0.00	0.00
14	0.05	0.00	0.30	0.00	0.23	0.00	0.01	0.00	0.04	0.78	0.00	0.00
15	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.53	0.01	0.01	0.00
16	0.00	0.35	0.12	0.00	0.00	0.09	0.00	0.00	0.01	0.00	0.00	4.43
17	0.02	0.91	0.10	0.22	0.00	0.00	0.00	0.00	0.02	0.44	0.01	0.16
18	0.00	1.67	0.02	0.18	0.00	0.01	0.00	0.13	0.01	0.01	0.00	0.00
19	0.00	1.69	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.26	0.00
21	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.19	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.37	0.00	0.00	0.00
23	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
24	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.02	0.00
25	0.00	0.00	0.00	1.88	0.10	0.00	0.00	0.00	1.11	0.36	0.20	0.00
26	1.47	0.00	0.00	0.02	0.04	0.00	0.57	0.00	0.03	0.27	0.00	0.00
27	0.02	0.74	0.00	0.00	0.48	0.00	0.00	0.00	1.58	0.01	0.00	2.81
28	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.01	0.18	0.00	0.00	0.03
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.03	0.01	4.59	0.18	0.00
30	0.00	0.00	0.10	0.00	---	0.71	0.01	0.00	0.42	0.01	0.00	0.00
31	0.00	---	0.00	0.00	---	0.02	---	0.52	---	0.00	0.00	---
TOTAL	1.84	6.41	3.29	3.12	4.38	1.50	2.13	2.92	5.95	8.79	2.03	12.26

APALACHICOLA RIVER BASIN
2004 Water Year

02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD, GA

LOCATION.—Lat 34°07'57", long 84°04'12", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit Code 03130001, at concrete box culvert on Suwanee Dam Road near Buford, 7.0 miles south of Buford Dam, and 1.25 river miles from the confluence of the Chattahoochee River.

DRAINAGE AREA.—9.34 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

PERIOD OF RECORD.—May 17, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 17, 2001 to current water year.
WATER TEMPERATURE: May 17, 2001 to current water year.
TURBIDITY: May 17, 2001 to current water year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records fair, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 128 microsiemens, August 26, 2002; minimum recorded, 19 microsiemens, September 7, 2004.
WATER TEMPERATURE: Maximum recorded, 26.7°C, August 12, 2002; minimum recorded, 0.3°C, January 4, 2002, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, <5.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 107 microsiemens, October 14; minimum recorded, 19 microsiemens, September 7.
WATER TEMPERATURE: Maximum recorded, 24.8°C, July 13; minimum recorded, 2.5°C, January 29.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, <5.0 NTU, April 23.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	86	81	84	88	83	85	82	80	81	84	80	82
2	87	82	85	87	82	85	82	81	81	85	82	83
3	88	82	85	87	82	85	83	81	82	82	78	81
4	88	83	85	86	82	84	86	81	84	83	78	81
5	86	82	85	86	55	82	81	79	80	82	72	78
6	87	82	85	80	54	71	81	78	79	82	76	80
7	88	82	85	83	80	82	82	79	81	84	80	82
8	87	83	85	85	81	83	82	79	81	85	80	82
9	87	83	85	86	81	83	83	79	81	83	74	78
10	88	83	85	86	81	84	80	49	66	82	78	80
11	88	84	86	86	80	83	76	65	73	83	78	81
12	89	84	86	87	82	85	78	75	77	85	80	82
13	90	85	88	88	84	86	78	73	77	84	79	81
14	107	84	89	89	84	87	73	60	66	84	78	81
15	104	85	89	88	82	85	76	71	74	84	79	82
16	97	85	88	89	82	86	78	76	76	84	79	82
17	90	86	87	87	61	74	81	75	78	85	80	82
18	88	84	86	81	33	75	83	78	81	82	74	78
19	88	83	86	59	32	46	82	78	80	80	77	79
20	87	84	86	69	59	64	83	79	81	82	78	80
21	88	84	86	74	69	72	83	78	81	82	77	80
22	90	86	89	75	70	73	88	78	81	81	76	79
23	90	85	87	79	74	76	88	72	82	---	---	---
24	88	83	86	79	75	77	79	62	73	83	78	81
25	87	82	85	82	79	81	79	77	78	83	49	63
26	87	73	81	85	80	83	80	77	79	72	57	68
27	83	74	80	85	66	80	81	78	79	76	72	73
28	85	81	83	75	65	71	81	78	80	80	75	77
29	90	77	83	78	75	77	81	78	80	81	78	79
30	89	83	86	80	78	79	81	75	79	81	77	79
31	87	82	85	---	---	---	83	78	81	85	77	79
MONTH	107	73	86	89	32	79	88	49	78	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	81	78	80	79	73	77	81	74	78	80	68	75
2	81	43	73	81	77	79	81	75	78	76	55	69
3	73	51	68	81	77	78	80	74	77	79	72	76
4	76	72	74	81	76	78	80	74	78	80	72	76
5	84	75	77	80	76	78	81	74	77	81	77	79
6	79	36	61	82	73	78	80	75	77	81	77	79
7	72	62	68	80	76	78	82	75	78	87	77	79
8	75	72	73	80	72	77	83	76	79	81	76	79
9	78	74	75	81	72	78	83	71	78	81	76	79
10	82	75	77	81	70	77	81	75	79	81	74	79
11	80	75	78	86	71	78	81	74	78	82	75	78
12	80	48	62	87	71	79	84	64	77	83	73	79
13	73	69	71	82	75	78	76	56	67	83	71	79
14	73	70	72	79	75	77	78	74	76	81	75	79
15	74	53	67	93	72	78	78	73	77	82	78	80
16	76	67	73	86	74	79	79	73	77	82	77	80
17	77	73	75	84	71	78	80	76	78	82	77	79
18	78	74	76	81	70	76	80	75	78	83	77	80
19	79	76	77	82	71	77	80	76	78	85	76	80
20	80	75	78	80	74	77	81	76	79	86	77	82
21	80	77	78	81	75	78	81	77	79	89	76	80
22	80	77	78	82	67	77	82	77	80	82	77	80
23	80	77	78	86	76	80	84	79	82	81	77	79
24	80	76	79	81	71	77	86	81	84	80	77	79
25	82	77	79	86	76	80	86	82	84	84	77	80
26	81	75	77	81	75	78	---	---	---	81	77	79
27	81	77	79	81	74	78	---	---	---	81	74	77
28	82	77	79	80	73	77	80	73	77	84	75	80
29	81	76	78	82	74	77	81	76	79	87	81	84
30	---	---	---	82	70	75	81	74	78	87	82	85
31	---	---	---	84	75	78	---	---	---	83	61	76
MONTH	84	36	74	93	67	78	---	---	---	89	55	79

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	83	77	81	85	30	72	69	65	67	75	72	73
2	88	77	82	59	38	52	72	69	71	86	52	71
3	85	75	82	67	59	63	74	68	70	93	80	83
4	88	79	82	71	67	69	72	69	70	87	81	84
5	83	77	81	76	70	73	72	69	71	88	81	84
6	83	77	81	79	73	76	72	70	71	90	83	87
7	83	66	80	80	78	79	74	71	72	89	19	52
8	80	67	77	82	78	80	74	72	74	76	56	64
9	88	77	81	85	81	84	84	74	78	93	71	74
10	89	67	83	86	83	85	92	81	84	81	76	79
11	83	55	72	86	84	85	95	65	80	86	80	84
12	57	49	52	89	65	82	68	34	54	89	84	87
13	82	56	74	89	76	83	75	61	70	92	85	87
14	80	53	71	91	68	85	79	75	77	99	85	89
15	59	51	53	83	68	77	81	77	79	90	85	88
16	75	56	69	86	81	84	82	64	76	---	---	---
17	79	70	76	89	80	84	94	82	89	---	---	---
18	79	70	77	87	79	82	94	84	89	---	---	---
19	89	78	84	88	75	83	91	85	87	---	---	---
20	90	77	84	88	78	83	89	83	86	---	---	---
21	84	72	76	91	77	86	88	81	84	89	82	86
22	86	78	82	91	82	88	88	84	87	88	84	86
23	87	80	84	91	75	81	88	81	85	88	86	87
24	85	77	80	90	77	84	89	84	87	90	85	88
25	82	51	71	90	81	86	89	81	85	92	87	90
26	81	67	75	89	77	82	89	82	87	91	88	89
27	82	30	64	89	84	86	90	87	89	93	34	75
28	93	43	65	102	84	87	90	86	88	64	35	54
29	75	68	70	89	24	73	90	84	87	74	64	69
30	85	75	79	56	37	46	88	86	87	---	---	---
31	---	---	---	65	56	61	89	71	79	---	---	---
MONTH	93	30	76	102	24	78	95	34	79	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.0	14.1	15.5	16.4	12.4	14.4	9.8	6.1	7.9	8.9	4.9	7.0
2	16.0	13.2	14.6	16.6	12.6	14.6	9.7	6.5	8.1	10.4	7.1	8.9
3	15.1	12.8	14.0	16.6	12.4	14.5	8.4	7.3	7.8	12.9	9.5	11.2
4	16.3	12.9	14.7	17.4	14.7	16.1	7.8	6.8	7.1	13.8	11.0	12.4
5	16.9	13.8	15.5	19.2	17.0	17.9	8.3	7.2	7.8	14.1	10.4	13.1
6	17.6	15.9	16.8	20.2	18.3	19.1	8.7	6.8	7.6	10.4	5.5	7.9
7	18.1	16.6	17.4	18.8	16.5	17.6	8.0	5.1	6.6	5.5	3.2	4.3
8	18.2	17.1	17.6	16.8	15.3	15.9	8.4	5.1	6.7	5.7	2.8	4.4
9	18.5	17.5	17.9	15.3	12.6	14.2	10.1	6.2	8.0	6.9	5.4	6.0
10	18.5	17.6	18.0	13.3	10.9	12.1	11.1	8.8	10.3	6.7	4.8	6.0
11	17.6	17.2	17.4	14.4	10.3	12.3	8.8	7.1	8.0	6.4	3.2	4.8
12	19.2	17.1	17.9	16.2	11.8	14.1	8.6	5.7	7.1	7.3	3.4	5.3
13	19.0	16.3	17.7	15.7	9.9	13.1	7.8	6.3	7.1	8.9	5.3	6.8
14	19.4	16.4	18.3	11.1	7.7	9.5	7.6	6.3	6.9	9.4	5.5	7.4
15	16.4	13.9	15.2	12.5	8.9	10.5	8.7	5.8	7.1	9.8	7.0	8.7
16	15.4	11.7	13.7	13.9	9.8	11.9	10.0	5.9	7.8	8.6	5.0	6.8
17	14.6	11.9	13.4	16.3	13.9	15.1	10.0	6.5	8.3	7.7	5.2	6.6
18	15.4	12.0	13.8	16.7	14.9	15.8	8.0	5.3	6.7	9.5	7.6	8.6
19	15.7	11.9	13.9	17.3	14.4	16.4	7.9	6.1	7.0	8.7	5.2	7.0
20	16.3	12.5	14.5	14.4	11.9	13.3	6.2	4.4	5.2	6.5	3.1	4.8
21	17.0	13.0	15.2	14.1	10.7	12.4	6.2	3.1	4.6	6.6	3.2	4.8
22	16.7	14.0	15.4	14.4	10.3	12.3	7.4	3.6	5.5	7.2	3.2	5.2
23	15.6	12.1	14.0	14.1	10.6	12.4	9.4	4.9	7.1	6.5	3.8	5.1
24	15.6	12.3	14.0	13.6	10.1	12.8	9.4	6.7	8.7	8.5	3.7	5.9
25	16.2	13.6	14.8	10.3	7.7	9.1	7.0	4.9	6.0	8.1	5.4	7.0
26	16.1	15.0	15.5	11.2	7.9	9.5	7.3	4.1	5.7	5.8	5.3	5.5
27	16.2	13.7	15.7	12.0	10.4	11.1	7.8	4.2	5.9	7.0	4.8	6.0
28	13.7	11.5	12.8	13.1	9.2	11.9	8.0	4.6	6.3	5.8	3.0	4.3
29	14.8	11.8	13.4	9.2	7.0	8.0	9.8	6.2	8.0	6.4	2.5	4.4
30	15.3	11.1	13.3	9.0	5.6	7.2	9.9	7.0	8.7	7.9	4.5	6.0
31	16.0	12.0	14.0	---	---	---	8.3	4.9	6.6	7.3	3.9	5.6
MONTH	19.4	11.1	15.4	20.2	5.6	13.2	11.1	3.1	7.2	14.1	2.5	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.5	4.2	5.8	14.3	7.8	10.8	14.2	8.6	11.0	17.9	16.0	16.8
2	6.4	3.8	5.3	15.8	12.0	13.6	14.6	8.8	11.5	18.1	15.4	17.1
3	7.9	4.0	6.0	16.5	13.1	14.4	17.5	9.7	13.1	15.5	12.4	14.0
4	7.5	4.4	5.9	16.0	12.9	14.4	16.5	9.6	12.5	15.8	10.4	13.2
5	6.4	6.0	6.2	16.0	13.2	14.6	16.4	8.4	12.0	17.7	11.4	14.6
6	7.8	6.0	6.7	17.3	13.7	15.5	17.2	9.0	12.8	19.4	13.8	16.6
7	7.7	5.5	6.6	16.3	10.9	13.3	17.4	9.9	13.4	20.1	14.6	17.4
8	7.6	4.4	5.9	13.5	9.0	10.9	17.7	12.3	14.6	20.4	15.1	17.8
9	7.1	5.2	6.1	11.4	7.2	9.3	19.0	11.2	14.7	20.6	16.5	18.5
10	8.2	5.6	6.9	12.3	6.9	9.4	15.7	10.3	13.4	20.7	16.5	18.6
11	8.7	7.0	7.9	13.0	6.0	9.4	15.9	12.5	14.3	20.1	17.6	18.7
12	8.4	6.7	7.4	13.7	7.5	10.2	14.9	13.0	13.9	19.7	17.3	18.4
13	10.0	6.2	8.1	12.7	7.0	9.8	13.6	10.3	12.5	19.8	17.8	18.6
14	9.2	8.4	8.9	14.8	9.1	11.8	14.7	9.0	11.4	19.3	17.3	18.3
15	9.1	7.7	8.6	15.5	12.2	13.7	17.1	8.6	12.6	20.4	17.0	18.7
16	7.8	6.9	7.4	16.8	12.2	14.0	18.4	10.0	14.0	19.9	16.9	18.4
17	8.0	6.3	7.1	15.1	9.6	12.0	19.2	11.3	15.1	20.1	16.9	18.4
18	10.0	5.3	7.4	13.1	8.5	11.0	20.1	12.3	16.1	19.0	17.4	18.1
19	10.5	5.0	7.6	17.2	9.2	12.8	20.1	13.3	16.6	20.4	17.4	18.7
20	10.3	6.1	8.3	16.8	10.4	13.4	19.7	14.3	16.9	21.1	17.1	19.1
21	12.4	8.7	10.4	16.3	10.2	13.6	18.4	14.4	16.4	21.9	17.6	19.2
22	11.2	6.1	8.6	12.7	7.5	9.8	20.0	14.0	16.8	19.4	17.6	18.4
23	9.2	6.8	8.1	13.2	5.8	9.2	19.6	14.6	17.2	20.7	17.2	18.7
24	10.4	9.0	9.6	14.6	7.1	10.6	20.0	14.9	17.5	20.6	16.8	18.7
25	9.8	8.0	9.1	16.9	8.8	12.5	19.7	15.5	17.8	21.6	18.0	19.6
26	8.0	5.2	5.9	18.6	10.9	14.3	18.0	14.9	16.9	22.1	18.7	20.2
27	8.1	5.4	6.6	18.6	11.3	14.8	16.9	12.4	14.7	21.5	18.3	19.8
28	10.7	4.7	7.4	19.1	11.9	15.3	16.7	10.9	13.9	20.8	18.1	19.4
29	10.7	5.3	7.9	19.2	14.3	16.0	17.1	12.4	14.8	19.6	18.3	18.9
30	---	---	---	18.1	13.8	15.4	16.9	15.5	16.1	21.3	17.9	19.6
31	---	---	---	14.6	10.6	12.7	---	---	---	20.5	18.8	19.9
MONTH	12.4	3.8	7.4	19.2	5.8	12.5	20.1	8.4	14.5	22.1	10.4	18.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.1	18.1	19.0	22.5	20.1	21.0	24.4	21.8	23.0	20.5	19.0	19.8
2	20.3	16.6	18.5	22.8	21.3	22.0	24.7	22.2	23.2	21.6	20.5	21.1
3	20.3	17.0	18.8	23.0	20.9	21.9	22.9	21.2	21.9	21.5	20.4	20.9
4	21.5	18.1	19.6	22.6	20.7	21.6	22.8	20.4	21.4	22.2	19.8	20.9
5	20.2	16.7	18.5	23.4	20.2	21.8	21.9	20.0	20.9	22.6	20.3	21.3
6	20.7	17.3	18.9	23.7	20.6	22.0	22.2	20.0	20.8	22.1	20.7	21.3
7	20.1	18.1	19.1	23.1	20.5	21.9	21.0	18.4	19.6	22.4	21.4	21.8
8	20.1	19.0	19.4	23.6	20.8	22.1	21.2	17.6	19.2	22.0	21.4	21.7
9	20.4	18.6	19.4	23.5	20.6	22.0	20.9	17.9	19.4	22.6	20.4	21.5
10	20.9	17.5	18.9	24.1	21.1	22.5	20.7	19.1	20.0	22.5	20.3	21.3
11	21.5	15.4	18.5	23.9	21.1	22.5	22.2	18.7	20.0	21.8	19.4	20.7
12	15.8	14.1	14.7	23.9	21.3	22.7	21.3	18.8	20.2	21.7	19.4	20.5
13	20.6	15.7	19.3	24.8	22.1	23.3	20.9	18.4	19.7	20.9	19.5	20.2
14	21.9	15.1	19.0	24.2	21.4	22.7	20.7	17.3	19.1	20.9	18.7	19.8
15	18.3	14.5	15.4	23.4	20.4	22.1	21.6	19.3	20.4	20.2	19.1	19.8
16	22.0	16.5	19.7	22.3	19.4	21.0	20.7	18.8	20.1	22.5	20.2	21.0
17	23.0	19.4	21.4	22.6	20.7	21.7	22.0	19.5	20.7	22.1	20.8	21.4
18	22.6	18.9	21.2	23.3	20.8	22.0	22.8	20.0	21.3	21.1	19.2	20.2
19	23.7	20.3	21.9	23.0	19.9	21.5	22.8	19.5	21.2	19.6	17.2	18.5
20	22.9	19.9	21.4	22.7	19.4	21.0	22.6	20.4	21.6	18.7	16.5	17.5
21	21.0	19.9	20.3	22.9	19.8	21.4	22.9	21.2	21.9	18.8	16.3	17.4
22	22.4	19.9	21.0	23.4	20.4	21.8	22.9	20.5	21.6	19.0	15.7	17.4
23	22.2	20.3	21.0	22.0	19.3	20.4	22.9	21.1	21.8	19.8	16.3	18.1
24	21.1	20.0	20.6	23.3	19.9	21.6	22.3	20.4	21.5	20.4	17.5	19.0
25	22.9	19.3	21.0	23.2	21.8	22.3	22.4	20.9	21.7	20.6	18.1	19.3
26	22.4	20.8	21.6	23.5	21.4	22.3	23.1	20.7	21.8	19.9	17.8	18.9
27	22.8	20.4	21.5	22.8	21.5	22.0	23.5	20.4	21.9	20.0	18.9	19.3
28	22.3	21.2	21.8	24.3	21.3	22.4	23.9	21.2	22.5	21.2	19.4	20.2
29	21.8	20.1	21.0	23.6	21.2	22.3	23.6	21.5	22.2	20.4	18.3	19.3
30	21.2	20.4	20.7	24.7	23.0	23.8	23.5	20.7	22.1	19.9	16.9	18.5
31	---	---	---	23.9	22.2	23.1	22.1	19.1	20.7	---	---	---
MONTH	23.7	14.1	19.8	24.8	19.3	22.0	24.7	17.3	21.1	22.6	15.7	20.0
YEAR	24.8	2.5	14.8									

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	129	25	47	41	8.9	13	32	15	19	66	16	20
2	31	15	19	20	8.6	11	29	16	20	156	15	19
3	90	14	19	26	8.4	11	117	14	22	30	14	20
4	26	12	15	29	8.2	10	118	19	37	24	13	17
5	22	9.7	13	1230	9.6	21	133	18	28	621	16	26
6	67	11	16	1160	30	110	38	14	19	94	22	28
7	36	10	17	35	17	22	36	12	16	62	14	20
8	50	11	18	36	13	16	31	11	16	57	11	20
9	93	10	15	39	13	16	35	13	19	128	20	36
10	26	8.7	11	51	13	15	>2200	20	294	40	14	17
11	16	7.9	9.6	42	12	15	174	48	84	22	10	14
12	16	7.0	8.4	21	13	16	51	30	34	44	11	16
13	37	7.6	12	20	14	16	197	21	28	22	12	17
14	553	8.6	27	26	13	15	>2200	57	143	23	12	16
15	411	9.5	16	20	12	14	145	27	37	23	11	16
16	186	14	24	70	14	21	85	20	31	30	10	16
17	176	12	21	>2200	42	184	298	27	56	127	11	17
18	37	10	15	>2200	31	67	114	23	30	212	21	43
19	56	13	20	>2200	232	682	89	19	24	26	14	18
20	34	12	17	239	58	122	32	14	17	39	10	17
21	360	12	20	63	36	42	29	12	16	36	10	14
22	31	13	16	182	28	36	53	12	15	45	8.9	15
23	18	9.3	11	32	19	22	876	12	20	346	12	19
24	38	9.7	16	137	19	46	1120	35	118	145	46	70
25	30	8.9	12	114	18	27	44	18	22	>2200	40	545
26	628	10	141	203	20	27	39	14	17	349	67	121
27	228	22	38	607	16	24	30	11	14	68	37	47
28	33	15	19	380	44	94	24	10	14	40	25	30
29	462	13	21	46	22	27	281	11	22	34	21	25
30	29	11	15	35	17	19	738	28	63	56	16	24
31	18	8.6	12	---	---	---	177	22	43	44	16	22
MAX	628	25	141	2200	232	682	2200	57	294	2200	67	545
MIN	16	7.0	8.4	20	8.2	10	24	10	14	22	8.9	14

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	30	13	18	34	15	23	32	10	14	127	8.8	26
2	>2200	14	21	42	15	20	21	7.9	10	824	24	64
3	911	63	182	52	17	22	24	6.7	9.1	39	13	20
4	280	32	50	28	13	17	21	6.2	8.8	35	8.0	12
5	105	23	29	30	13	18	30	6.0	11	15	6.7	9.9
6	>2200	23	416	411	20	38	358	5.9	13	18	7.1	11
7	358	71	142	33	13	19	21	7.4	11	24	6.6	9.3
8	81	40	48	35	12	17	25	6.1	8.2	14	6.3	9.3
9	344	30	41	74	19	37	46	5.7	10	13	5.2	7.8
10	77	26	39	65	9.9	20	13	5.1	7.5	167	5.9	9.0
11	46	21	26	75	10	21	28	7.5	12	23	8.0	13
12	>2200	28	193	32	9.0	15	520	6.2	9.7	131	7.6	12
13	101	40	59	18	6.9	9.4	>2200	61	237	287	10	24
14	109	32	48	24	7.3	10	329	28	51	83	12	20
15	2060	29	224	44	7.5	13	62	13	23	117	10	16
16	184	52	81	35	12	16	36	12	16	25	8.1	11
17	185	32	39	50	7.7	16	21	9.1	12	27	8.2	11
18	72	23	29	50	8.3	19	26	7.4	12	44	8.7	13
19	34	18	21	45	5.7	13	23	7.6	11	104	12	18
20	26	16	19	33	6.6	9.0	24	6.5	10	77	18	45
21	32	14	19	59	7.9	13	16	6.3	9.1	314	20	37
22	35	13	17	50	6.0	12	23	5.6	8.2	121	44	71
23	52	14	19	16	6.2	9.2	23	<5.0	7.7	48	27	31
24	361	13	22	30	5.6	11	74	5.4	9.5	116	24	31
25	178	18	26	35	6.9	14	15	5.5	8.0	63	24	32
26	126	21	33	37	7.0	15	170	7.8	30	38	20	26
27	236	21	36	84	5.9	19	824	9.8	40	84	31	45
28	56	20	28	43	5.1	7.7	31	10	15	608	22	44
29	33	15	20	14	5.1	7.9	22	6.3	9.4	38	21	28
30	---	---	---	221	7.7	41	36	6.1	10	44	17	23
31	---	---	---	1010	10	20	---	---	---	747	20	73
MAX	2200	71	416	1010	20	41	2200	61	237	824	44	73
MIN	26	13	17	14	5.1	7.7	13	5.0	7.5	13	5.2	7.8

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	149	23	34	>2200	35	69	107	41	52	183	54	74
2	1320	18	29	1620	125	293	179	28	42	1450	48	232
3	257	18	29	125	47	66	1060	28	98	206	28	38
4	40	14	21	150	34	49	312	68	91	45	16	21
5	60	13	18	124	25	41	389	56	74	30	12	16
6	37	11	15	>2200	28	49	69	36	44	22	10	13
7	817	14	19	105	28	46	503	35	55	>2200	11	1040
8	817	32	67	89	26	42	68	28	34	974	132	303
9	1200	23	46	185	20	32	39	23	29	132	55	79
10	455	85	138	36	16	23	276	23	31	86	35	49
11	962	45	126	37	16	19	715	20	48	104	22	28
12	991	290	448	>2200	18	181	>2200	192	367	27	16	20
13	382	31	70	480	47	127	277	68	134	35	14	18
14	777	25	35	>2200	39	58	84	30	45	51	13	16
15	>2200	165	223	>2200	145	358	44	22	30	29	11	14
16	340	44	100	217	72	116	583	24	36	>2200	11	20
17	273	31	69	554	57	100	33	20	25	>2200	195	386
18	671	38	70	201	40	76	34	17	22	1190	100	143
19	378	23	36	232	33	48	32	17	21	122	47	79
20	186	17	30	>2200	32	110	130	11	16	695	33	50
21	166	25	37	540	44	68	126	13	24	190	29	38
22	536	17	32	72	24	30	28	11	14	200	24	30
23	292	29	69	>2200	21	287	24	11	14	43	21	27
24	964	60	192	316	61	92	22	10	14	1160	20	32
25	>2200	44	335	80	24	38	61	9.8	14	55	16	22
26	>2200	117	266	836	31	63	37	10	16	28	14	18
27	>2200	71	115	42	20	25	23	8.8	13	>2200	16	156
28	1070	152	413	141	18	33	37	7.9	12	1490	197	355
29	382	68	109	>2200	20	31	43	11	16	1160	122	243
30	341	48	68	1940	164	437	209	10	16	552	72	108
31	---	---	---	179	59	102	>2200	9.3	80	---	---	---
MAX	2200	290	448	2200	164	437	2200	192	367	2200	197	1040
MIN	37	11	15	36	16	19	22	7.9	12	22	10	13

YEAR	MAX	MAXIMUM 2200 MINIMUM 13
	MIN	MAXIMUM 290 MINIMUM 5.0
	MEDIAN	MAXIMUM 1040 MINIMUM 7.5

> Actual value is known to be greater than the value shown

02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD, GA

LOCATION.—Lat 34°07'57", long 84°04'12", referenced to North American Datum (NAD) 1927, Gwinnett County, Hydrologic Unit 03130001, at 3 - 10' X 10' concrete box culverts on Suwanee Dam Road near Buford, GA, 5.0 miles North of Level Creek, and 7.0 miles South of Buford Dam.

DRAINAGE AREA.—9.34 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 16, 1976 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)
OCT													
03...	1100	--	9	81213	9.9	.50	--	--	13	--	--	100	--
NOV													
17-17	0820	0830	J	81213	88	1.50	--	--	940	--	--	6200	--
DEC													
09...	1050	--	9	81213	9.9	.50	--	--	14	--	--	--	--
FEB													
12-12	0920	0925	J	81213	88	1.51	--	--	610	--	--	--	--
MAR													
09...	1055	--	9	81213	12	.54	--	--	12	--	--	67	--
23...	1315	--	9	81213	10	.51	--	--	8.7	--	--	59	--
APR													
26-26	1040	1050	J	81213	21	.68	--	--	98	--	--	3100	--
MAY													
25...	0945	--	9	81213	13	.55	--	--	38	--	--	370	--
JUL													
07...	1150	--	9	81213	11	.51	--	--	87	.8	9	180	5.30
AUG													
12-12	0805	0820	J	80855	230	2.75	--	2300	3400	13.0	E17	56000	2.00
SEP													
02-02	0257	0432	J	80855	--	--	--	670	980	9.0	E19	21000	4.70
SEP													
07-07	0654	1444	J	80855	--	--	2700	1600	--	5.6	E13	44000	1.80

02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD, GA —continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Hard-ness, water, mg/L as CaCO3 (00900)	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)
OCT													
03...	--	--	--	53	4	2	.54	.570	A.033	<.20	<.02	.03	--
NOV													
17-17	--	--	--	44	816	121	.51	.510	A.037	2.8	<.02	1.10	--
DEC													
09...	--	--	--	53	10	4	.75	.750	A.084	<.20	<.02	<.02	--
FEB													
12-12	--	--	--	34	400	56	.48	.480	A.106	1.0	<.02	.38	--
MAR													
09...	--	--	--	54	5	2	.52	.520	A.050	<.20	<.02	<.02	--
23...	--	--	--	95	<1	1	.29	.300	A.011	<.20	<.02	<.02	--
APR													
26-26	--	--	--	54	128	20	.43	.430	A.062	.80	<.02	.22	--
MAY													
25...	--	--	--	57	46	8	.33	.410	A.041	.40	<.02	.10	--
JUL													
07...	19	1.30	--	56	21	3	.56	.560	A.043	.20	.02	.07	<.5
AUG													
12-12	29	.53	2.9	230	5200	670	.460	.280	.140	3.1	<.050	.730	<5
SEP													
02-02	53	1.10	8.5	100	1200	140	.360	.360	E.056	1.2	<.050	E.019	<5
SEP													
07-07	93	.60	19.0	300	3600	420	.460	.410	.100	<.50	<.050	<.050	<5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Organic carbon, water, unfltrd mg/L (00680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT								
03...	--	--	--	--	--	1.8	--	14
NOV								
17-17	--	--	--	--	--	3.5	13	1170
DEC								
09...	--	--	--	--	--	1.2	--	9
FEB								
12-12	--	--	--	--	--	4.0	67	750
MAR								
09...	--	--	--	--	--	.9	--	15
23...	--	--	--	--	--	.8	--	11
APR								
26-26	--	--	--	--	--	2.7	44	200
MAY								
25...	--	--	--	--	--	1.6	--	52
JUL								
07...	2	<2	<2	165	5	2.4	--	54
AUG								
12-12	E10	30	M	2300	110	--	42	6730
SEP								
02-02	44	30	M	1700	260	--	64	1460
SEP								
07-07	130	50	M	2300	330	--	56	4740

02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD, GA —continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
03...	1104	9	23.0	9.9	.50	99	10.0	7.0	83	13.9	19	--	--
03...	1105	9	16.0	9.9	.50	99	10.0	7.0	83	13.6	17	--	--
03...	1106	9	9.00	9.9	.50	99	10.1	7.0	83	13.4	17	--	--
NOV													
17...	0829	J	5.00	87	1.49	92	9.2	6.7	63	14.6	920	44	982
17...	0830	J	11.0	87	1.49	92	9.1	6.7	62	14.7	950	20	2060
17...	0831	J	17.0	87	1.49	91	9.1	6.6	61	14.7	990	30	1550
DEC													
09...	1058	9	6.00	9.9	.50	118	14.2	7.1	83	7.5	25	--	9
09...	1059	9	12.0	9.9	.50	118	14.2	7.1	83	7.5	53	--	7
09...	1100	9	18.0	9.9	.50	118	14.2	7.1	83	7.5	18	--	9
FEB													
12...	0928	J	6.00	87	1.49	97	11.6	6.4	51	6.8	690	47	934
12...	0929	J	11.0	87	1.49	97	11.6	6.4	49	6.8	760	45	1030
12...	0930	J	16.0	87	1.49	97	11.6	6.4	49	6.8	700	49	1000
MAR													
09...	1059	9	4.00	12	.54	102	11.3	7.1	77	9.4	13	--	--
09...	1100	9	9.00	12	.54	99	11.1	7.1	75	9.2	15	--	--
09...	1101	9	14.0	12	.54	98	11.0	7.1	75	9.1	19	--	--
23...	1324	9	6.00	10	.51	129	13.9	7.2	80	11.6	13	--	--
23...	1325	9	11.0	10	.51	128	13.8	7.2	79	11.5	17	--	--
23...	1326	9	16.0	10	.51	127	13.7	7.2	79	11.4	12	--	--
APR													
26...	1052	J	2.00	21	.68	89	8.5	6.8	82	17.7	140	53	135
26...	1054	J	8.00	21	.69	90	8.6	6.9	82	17.2	130	25	407
26...	1056	J	14.0	21	.69	88	8.6	6.8	82	16.9	160	38	250
MAY													
25...	0949	9	4.00	13	.55	94	8.7	6.5	74	19.2	36	--	--
25...	0950	9	9.00	13	.55	94	8.7	6.5	74	19.0	51	--	--
25...	0951	9	14.0	13	.55	94	8.8	6.5	73	18.8	62	--	--
JUL													
07...	1202	9	14.0	10	.50	95	8.1	7.1	76	21.9	91	--	--
07...	1203	9	9.00	10	.50	93	8.0	7.1	76	21.9	89	--	--
07...	1204	9	4.00	10	.50	93	7.9	7.1	76	21.9	86	--	--
AUG													
12...	0821	J	10.0	230	2.75	94	8.2	6.5	34	20.8	--	50	5750
12...	0825	J	20.0	215	2.64	93	8.1	6.5	32	20.8	--	51	5720
12...	0828	J	30.0	215	2.64	93	8.1	6.5	33	20.8	--	53	5560
SEP													
02...	0823	J	3.50	15	.59	109	9.5	6.8	60	21.2	580	90	328
02...	0824	J	10.5	15	.59	109	9.5	6.8	58	21.2	570	91	344
02...	0825	J	17.0	15	.59	109	9.5	6.8	57	21.1	670	94	341
07...	0805	J	15.0	900	6.00	90	8.0	6.0	26	21.5	3800	52	6600
07...	0806	J	10.0	900	6.00	90	8.0	6.0	25	21.5	3900	49	7120
07...	0807	J	5.00	900	6.00	90	8.0	6.0	25	21.6	3800	49	7040

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

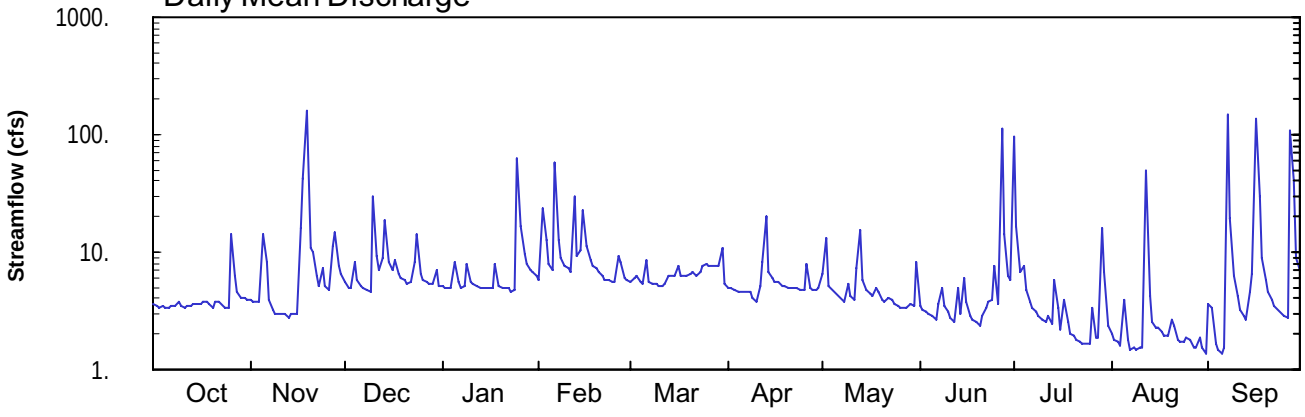
APALACHICOLA RIVER BASIN

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

Latitude: 34°05'47" Longitude: 084°04'47" Hydrologic Unit Code: 03130001

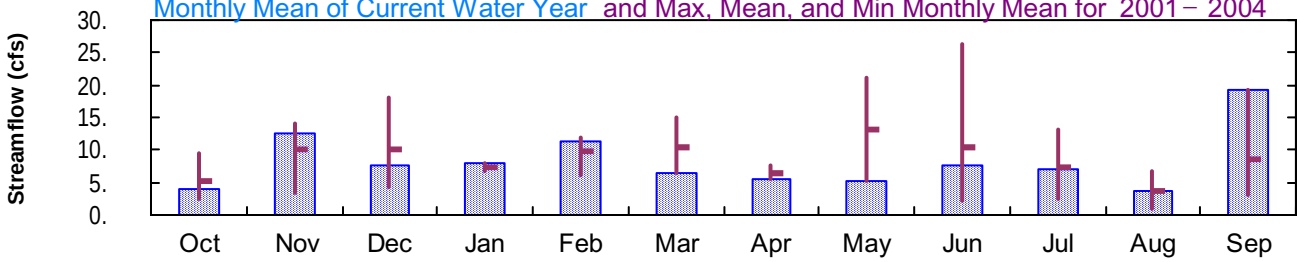
Gwinnett County Datum: 985 feet Drainage Area: 5.04 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°05'47", long 84°04'47", referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, 20.0 feet upstream of the culvert on Suwanee Dam Road, 2.4 miles upstream from the confluence with the Chattahoochee River.

DRAINAGE AREA.—5.04 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 985.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except periods of estimated discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 985.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.49 feet, September 16; minimum gage-height recorded, 3.42 feet, August 31.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04* CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	3.9	e5.5	5.1	5.7	5.6	5.0	6.4	3.5	94	2.0	3.7
2	3.5	3.8	4.9	5.0	23	5.9	4.9	13	3.2	17	1.8	3.3
3	3.3	3.8	4.9	5.0	13	6.2	4.8	5.1	3.1	6.8	1.7	1.7
4	3.5	3.8	8.3	4.9	7.8	5.5	4.6	4.8	3.0	7.7	1.6	1.5
5	3.3	14	5.8	8.4	7.0	5.4	4.7	4.7	2.8	4.7	3.9	1.4
6	3.4	8.1	5.1	5.6	58	8.6	4.6	4.2	2.7	3.8	1.8	1.5
7	3.4	4.0	4.9	5.0	13	5.6	4.5	4.0	3.6	3.4	1.5	147
8	3.5	3.3	4.8	5.1	8.8	5.3	4.6	3.8	4.9	3.1	1.5	20
9	3.8	2.9	4.6	7.8	7.7	5.3	4.1	5.4	3.5	2.9	1.5	6.4
10	3.4	3.0	29	5.6	7.2	5.2	3.8	4.2	3.1	2.7	1.5	4.2
11	3.4	3.0	9.4	5.3	6.8	5.1	5.2	3.9	2.7	2.6	1.5	3.3
12	3.5	3.0	7.0	5.2	29	5.3	8.1	7.3	2.5	2.9	50	2.8
13	3.5	2.7	8.7	5.1	9.1	6.2	20	15	4.9	2.5	4.2	2.7
14	3.7	3.0	19	5.0	10	6.3	6.8	5.9	3.0	5.7	2.6	4.5
15	3.6	3.0	8.1	4.9	23	6.4	6.0	4.7	6.0	3.4	2.3	6.4
16	3.6	3.0	7.0	4.9	11	7.5	5.6	4.5	3.8	2.2	2.3	e138
17	3.8	16	8.7	5.0	8.7	6.4	5.5	4.2	2.9	3.9	2.1	30
18	3.7	43	6.4	7.9	7.6	6.3	5.2	4.9	2.7	2.6	2.0	8.8
19	3.6	157	6.0	5.1	7.3	6.4	5.1	4.5	2.5	2.0	1.9	5.9
20	3.4	11	5.7	4.9	6.8	6.5	5.0	4.0	2.3	1.9	2.6	4.5
21	3.8	10	5.4	4.9	6.4	6.8	4.9	3.7	2.9	1.8	2.4	3.9
22	3.8	6.1	5.5	4.9	5.8	6.3	4.9	4.1	3.4	1.8	1.8	3.5
23	3.5	5.1	8.4	4.6	5.8	6.8	4.9	3.9	3.7	1.6	1.7	3.2
24	3.4	7.4	14	4.8	5.7	7.7	4.8	3.6	3.9	1.6	1.8	3.0
25	3.4	5.1	6.5	64	5.7	8.0	4.7	3.5	7.7	1.6	1.8	2.9
26	14	4.8	5.8	16	9.3	7.7	8.0	3.4	3.7	3.3	1.8	2.8
27	6.2	11	5.5	9.6	8.1	7.7	4.9	3.3	113	1.9	1.6	110
28	4.7	e14	5.3	7.8	6.1	7.5	4.8	3.3	14	1.8	1.5	40
29	4.1	e7.5	5.3	7.0	5.8	7.6	4.8	3.7	6.2	16	1.9	8.8
30	4.0	e6.5	7.0	6.7	---	11	4.9	3.5	5.8	6.7	1.6	7.0
31	3.9	---	5.2	6.3	---	5.3	---	8.4	---	2.4	1.3	---
TOTAL	125.4	372.8	237.7	247.4	329.2	203.4	169.7	158.9	231.0	216.3	109.5	582.7
MEAN	4.05	12.4	7.67	7.98	11.4	6.56	5.66	5.13	7.70	6.98	3.53	19.4
MAX	14	157	29	64	58	11	20	15	113	94	50	147
MIN	3.3	2.7	4.6	4.6	5.7	5.1	3.8	3.3	2.3	1.6	1.3	1.4
AC-FT	249	739	471	491	653	403	337	315	458	429	217	1160
CFSM	0.80	2.47	1.52	1.58	2.25	1.30	1.12	1.02	1.53	1.38	0.70	3.85
IN.	0.93	2.75	1.75	1.83	2.43	1.50	1.25	1.17	1.71	1.60	0.81	4.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	5.35	9.96	10.0	7.37	9.78	10.5	6.39	13.1	10.5	7.49	3.68	8.45
MAX	9.50	14.2	18.1	7.98	11.8	14.9	7.72	21.1	26.4	13.1	6.60	19.4
(WY)	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2003	2004
MIN	2.51	3.23	4.34	6.77	6.08	6.56	5.66	5.13	2.25	2.44	0.89	3.01
(WY)	2002	2002	2002	2003	2002	2004	2004	2004	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	4188.7		2984.0			
ANNUAL MEAN	11.5		8.15		10.6	
HIGHEST ANNUAL MEAN					13.0	2003
LOWEST ANNUAL MEAN					8.15	2004
HIGHEST DAILY MEAN	224	Jun 18	157	Nov 19	224	Jun 18 2003
LOWEST DAILY MEAN	2.5	Sep 21	1.3	Aug 31	0.21	Aug 24 2002
ANNUAL SEVEN-DAY MINIMUM	2.7	Sep 15	1.6	Aug 25	0.31	Aug 19 2002
MAXIMUM PEAK STAGE			12.49	Sep 16	12.49	Sep 16 2004
ANNUAL RUNOFF (AC-FT)	8310		5920		7650	
ANNUAL RUNOFF (CFSM)	2.28		1.62		2.09	
ANNUAL RUNOFF (INCHES)	30.92		22.02		28.46	
10 PERCENT EXCEEDS	18		10		17	
50 PERCENT EXCEEDS	6.2		4.9		5.7	
90 PERCENT EXCEEDS	3.5		2.2		2.8	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04* CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.53	3.53	---	3.54	3.56	3.56	3.54	3.56	3.48	4.35	3.46	3.50
2	3.52	3.53	3.54	3.54	3.80	3.56	3.54	3.71	3.48	3.78	3.45	3.49
3	3.52	3.53	3.54	3.54	3.71	3.57	3.54	3.52	3.47	3.57	3.45	3.45
4	3.52	3.53	3.62	3.54	3.60	3.55	3.54	3.51	3.47	3.59	3.44	3.44
5	3.52	3.71	3.56	3.62	3.59	3.55	3.54	3.51	3.47	3.53	3.50	3.44
6	3.52	3.62	3.55	3.56	4.21	3.62	3.53	3.50	3.46	3.51	3.45	3.44
7	3.52	3.53	3.54	3.54	3.71	3.56	3.53	3.49	3.49	3.50	3.44	5.05
8	3.52	3.52	3.54	3.55	3.63	3.55	3.53	3.49	3.52	3.49	3.44	3.84
9	3.53	3.51	3.53	3.60	3.60	3.55	3.52	3.53	3.48	3.49	3.44	3.56
10	3.52	3.51	3.95	3.56	3.59	3.55	3.52	3.50	3.47	3.48	3.44	3.52
11	3.52	3.51	3.64	3.55	3.58	3.54	3.55	3.49	3.46	3.48	3.44	3.50
12	3.52	3.51	3.58	3.55	3.94	3.55	3.60	3.57	3.46	3.49	4.05	3.49
13	3.52	3.50	3.62	3.54	3.63	3.57	3.83	3.71	3.52	3.48	3.52	3.48
14	3.53	3.51	3.82	3.54	3.66	3.57	3.57	3.54	3.47	3.55	3.48	3.52
15	3.52	3.51	3.61	3.54	3.87	3.57	3.54	3.51	3.54	3.50	3.47	3.56
16	3.52	3.51	3.58	3.54	3.68	3.60	3.54	3.50	3.49	3.47	3.47	5.42
17	3.53	3.75	3.62	3.54	3.62	3.57	3.53	3.50	3.47	3.51	3.46	3.99
18	3.53	3.94	3.57	3.61	3.60	3.57	3.53	3.52	3.46	3.48	3.46	3.62
19	3.52	5.02	3.56	3.54	3.59	3.57	3.52	3.51	3.46	3.46	3.46	3.55
20	3.52	3.68	3.56	3.54	3.58	3.57	3.52	3.49	3.45	3.46	3.47	3.52
21	3.53	3.65	3.55	3.54	3.57	3.58	3.52	3.49	3.47	3.45	3.47	3.51
22	3.53	3.57	3.55	3.54	3.56	3.57	3.51	3.49	3.48	3.45	3.45	3.50
23	3.52	3.54	3.61	3.54	3.56	3.58	3.51	3.49	3.49	3.45	3.45	3.50
24	3.52	3.60	3.73	3.54	3.56	3.60	3.51	3.49	3.49	3.45	3.45	3.49
25	3.52	3.54	3.57	4.33	3.56	3.61	3.51	3.48	3.58	3.45	3.45	3.49
26	3.74	3.54	3.56	3.78	3.64	3.60	3.60	3.48	3.48	3.49	3.45	3.48
27	3.58	3.67	3.55	3.64	3.61	3.60	3.52	3.48	4.56	3.46	3.44	4.56
28	3.55	---	3.55	3.60	3.57	3.60	3.51	3.48	3.74	3.45	3.44	4.06
29	3.54	---	3.55	3.59	3.56	3.60	3.51	3.49	3.56	3.63	3.46	3.62
30	3.53	---	3.59	3.58	---	3.66	3.51	3.48	3.55	3.57	3.44	3.57
31	3.53	---	3.55	3.57	---	3.55	---	3.59	---	3.47	3.44	---
MEAN	3.53	---	---	3.59	3.65	3.58	3.54	3.52	3.53	3.53	3.48	3.71
MAX	3.74	---	---	4.33	4.21	3.66	3.83	3.71	4.56	4.35	4.05	5.42
MIN	3.52	---	---	3.54	3.56	3.54	3.51	3.48	3.45	3.45	3.44	3.44

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04* CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.01	---	0.00	0.00	0.00	0.00	0.53	0.00	3.05	0.00	0.43
2	0.00	0.00	0.00	0.00	0.89	0.15	0.00	0.36	0.00	0.18	0.00	0.04
3	0.00	0.00	0.04	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00
5	0.00	1.02	0.01	0.41	0.03	0.00	0.00	0.00	0.00	0.00	0.66	0.00
6	0.00	0.02	0.00	0.00	1.17	0.43	0.00	0.00	0.00	0.00	0.00	0.01
7	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	4.22
8	0.02	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.13
9	0.05	0.00	0.00	0.27	0.00	0.02	0.00	0.15	0.10	0.00	0.00	0.00
10	0.00	0.00	1.18	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.02	0.00	0.00	0.00	0.12	0.00	0.21	0.06	0.00	0.00	0.00	0.01
12	0.00	0.00	0.00	0.01	0.77	0.00	0.99	0.69	0.00	0.07	1.87	0.00
13	0.01	0.00	0.44	0.00	0.00	0.00	0.55	0.72	0.32	0.00	0.00	0.00
14	0.05	0.00	0.24	0.00	0.27	0.00	0.00	0.00	0.06	0.70	0.00	0.00
15	0.01	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.67	0.00	0.00	0.00
16	0.00	0.01	0.12	0.00	0.00	0.15	0.00	0.00	0.03	0.00	0.00	4.47
17	0.02	1.24	0.12	0.20	0.00	0.00	0.00	0.00	0.01	0.36	0.00	0.21
18	0.01	1.74	0.02	0.17	0.00	0.00	0.00	0.19	0.01	0.00	0.00	0.00
19	0.00	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.17	0.00
21	0.00	0.00	0.00	0.00	0.07	0.04	0.00	0.00	0.15	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.21	0.00	0.00	0.00
23	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.01	0.22	0.00	0.00	0.01
24	0.00	0.37	0.03	0.00	0.01	0.00	0.00	0.00	0.20	0.00	0.00	0.00
25	0.00	0.00	0.00	1.95	0.08	0.00	0.00	0.00	0.47	0.12	0.00	0.00
26	1.14	0.00	0.00	0.03	0.15	0.00	0.62	0.00	0.06	0.26	0.00	0.00
27	0.01	0.79	0.00	0.00	0.46	0.00	0.00	0.00	3.04	0.00	0.00	2.82
28	0.00	---	0.00	0.00	0.00	0.00	0.00	0.08	0.24	0.00	0.00	0.06
29	0.00	---	0.05	0.00	0.00	0.00	0.00	0.07	0.00	0.69	0.47	0.00
30	---	---	0.21	0.00	---	0.65	0.00	0.00	0.30	0.00	0.00	0.00
31	---	---	0.00	0.00	---	0.02	---	0.58	---	0.00	0.00	---
TOTAL	---	---	---	3.11	4.78	1.50	2.37	3.55	6.44	5.72	3.17	12.41

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°05'47", long 84°04'43", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit Code 03130001, 20.0 feet upstream of the culvert on Suwanee Dam Road, 2.4 miles upstream from the confluence with the Chattahoochee River.

DRAINAGE AREA.—5.04 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—May 10, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 10, 2001 to current year.
WATER TEMPERATURE: May 10, 2001 to current year.
TURBIDITY:– May 10, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity records, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 111 microsiemens, September 11, 2003; minimum recorded, 17 microsiemens, June 18, 2003.
WATER TEMPERATURE: Maximum recorded, 25.0°C, July 30, September 21, 2002; minimum recorded, 0.6°C, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, 3.2 NTU, May 11, 2001.

EXTREMES FOR CURRENT YEAR:
SPECIFIC CONDUCTANCE: Maximum recorded, 89 microsiemens, November 8; minimum recorded, 22 microsiemens, September 16.
WATER TEMPERATURE: Maximum recorded, 24.3°C, July 13; minimum recorded, 3.2°C, January 29.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	75	75	75	79	78	79	---	---	---	73	73	73
2	75	74	75	80	78	78	75	75	75	73	73	73
3	76	74	75	78	77	78	75	75	75	73	72	73
4	76	74	75	78	77	78	79	72	75	73	72	73
5	76	75	76	81	54	74	76	74	74	73	67	72
6	76	75	75	82	60	73	76	75	75	73	71	71
7	76	75	76	87	82	85	77	75	76	74	73	74
8	76	75	75	89	82	87	75	74	75	74	73	74
9	76	74	76	82	78	79	75	74	75	73	68	71
10	77	75	76	78	75	77	74	47	63	72	71	71
11	88	76	77	78	76	77	74	66	71	73	72	72
12	88	81	84	79	77	78	75	74	75	73	72	73
13	81	79	80	78	77	77	77	70	75	73	72	72
14	82	79	80	77	76	77	72	58	66	75	72	73
15	81	79	79	76	76	76	75	72	74	73	72	73
16	79	77	77	77	75	76	75	75	75	73	72	73
17	78	76	76	78	64	70	75	73	75	73	72	73
18	76	75	75	---	---	---	76	75	75	74	69	72
19	76	75	75	---	---	---	76	75	76	72	72	72
20	75	75	75	---	---	---	77	76	76	73	72	73
21	84	75	77	---	---	---	76	76	76	73	72	73
22	76	76	76	---	---	---	77	75	76	73	72	72
23	76	76	76	---	---	---	76	56	74	73	72	73
24	76	76	76	---	---	---	70	56	65	74	72	73
25	77	76	76	---	---	---	72	70	72	72	44	56
26	81	76	77	76	75	76	73	72	73	68	52	63
27	85	74	81	76	63	72	73	72	73	71	68	70
28	75	72	73	---	---	---	73	73	73	74	70	72
29	77	75	76	---	---	---	73	72	73	73	72	72
30	77	76	77	---	---	---	74	68	71	72	72	72
31	79	77	78	---	---	---	73	72	72	73	71	72
MONTH	88	72	77	---	---	---	---	---	---	75	44	72

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	75	72	73	74	69	71	73	71	72	79	76	78
2	73	40	66	71	70	70	75	72	73	79	53	63
3	74	47	63	75	70	72	74	72	73	76	68	72
4	73	70	70	71	70	71	75	73	74	80	76	77
5	73	71	71	72	70	71	74	72	73	80	79	80
6	73	35	57	72	68	71	74	72	73	82	80	80
7	67	56	63	72	71	71	74	72	73	83	81	82
8	70	67	69	72	70	71	74	72	73	84	81	83
9	71	70	70	72	71	72	75	72	73	81	75	80
10	71	71	71	72	71	71	77	73	74	84	77	83
11	72	71	71	72	70	71	75	69	74	84	82	83
12	71	41	56	71	70	71	75	55	73	82	69	80
13	68	63	67	74	70	71	67	54	63	79	44	70
14	70	68	69	72	69	71	71	67	69	75	60	68
15	71	46	61	72	70	71	72	70	71	78	75	76
16	68	58	64	74	71	72	72	71	71	79	78	78
17	69	67	68	74	70	72	74	72	73	79	78	78
18	70	69	69	72	70	71	74	72	73	80	77	79
19	70	69	70	72	69	71	74	72	73	79	76	78
20	70	70	70	74	70	72	75	74	75	79	77	78
21	72	70	71	73	72	73	75	74	74	79	78	79
22	73	71	71	73	71	72	77	75	76	80	78	79
23	71	70	71	73	71	72	78	76	77	80	76	77
24	71	70	70	72	70	72	78	76	77	78	76	77
25	71	70	71	74	70	72	79	77	78	77	76	77
26	72	66	70	73	70	72	78	74	76	77	76	77
27	74	72	73	74	71	73	77	76	76	77	76	77
28	72	70	71	74	72	73	77	77	77	78	76	77
29	73	70	70	74	72	73	78	77	77	79	77	77
30	---	---	---	78	71	75	78	77	77	78	76	77
31	---	---	---	76	73	74	---	---	---	77	55	70
MONTH	75	35	68	78	68	72	79	54	74	84	44	77

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	76	71	73	79	29	68	75	72	73	77	68	73
2	78	76	77	68	43	57	78	75	77	84	68	72
3	79	77	78	71	66	68	80	78	79	76	74	76
4	78	77	77	72	64	70	81	80	80	77	76	77
5	80	77	79	74	70	72	81	63	78	78	77	77
6	78	76	76	75	74	74	79	77	78	78	77	77
7	78	74	77	76	74	75	79	78	78	78	24	47
8	80	72	78	76	74	76	79	78	78	65	45	57
9	81	79	80	77	76	76	78	76	77	76	64	70
10	82	81	81	78	76	77	77	76	76	80	76	78
11	84	82	83	77	75	77	76	75	76	81	79	80
12	84	82	83	81	75	77	77	30	53	82	80	80
13	82	70	79	79	76	77	68	56	62	83	80	81
14	82	79	80	77	63	75	72	68	71	82	79	80
15	81	66	77	74	68	71	77	72	74	80	70	77
16	78	72	76	84	73	75	78	71	76	81	22	59
17	82	78	80	79	69	76	77	75	76	68	39	57
18	82	79	80	77	72	76	80	76	77	71	65	68
19	82	79	80	80	76	78	79	77	78	75	71	73
20	81	79	80	80	78	79	78	73	77	76	75	75
21	84	80	81	79	78	78	79	73	77	78	76	77
22	84	76	81	79	78	78	77	77	77	83	78	80
23	83	77	81	79	77	78	82	77	78	79	77	78
24	82	78	81	80	79	80	78	77	77	79	78	78
25	81	63	75	80	78	79	78	77	77	79	78	79
26	82	75	80	81	74	78	78	76	77	79	78	78
27	84	24	66	81	78	79	78	77	77	78	31	65
28	68	49	60	79	75	77	79	77	78	73	36	59
29	77	68	72	78	36	72	84	75	78	75	68	72
30	76	73	75	63	38	53	82	77	78	77	75	76
31	---	---	---	72	63	68	78	76	77	---	---	---
MONTH	84	24	78	84	29	74	84	30	76	84	22	73

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.7	14.3	15.4	16.2	13.1	14.7	---	---	---	8.9	5.7	7.4
2	15.9	13.5	14.7	16.4	13.3	14.9	9.6	7.2	8.5	10.3	7.7	9.1
3	15.0	12.9	14.0	16.4	13.2	14.9	8.5	7.9	8.2	12.6	9.7	11.2
4	16.2	13.2	14.8	17.3	15.2	16.3	8.0	6.8	7.2	13.7	11.3	12.5
5	16.8	14.2	15.6	19.7	17.1	18.0	8.5	7.4	8.0	14.2	10.7	13.3
6	17.5	16.1	16.8	19.9	18.5	19.1	8.7	7.4	7.8	10.7	6.0	8.2
7	18.1	16.8	17.4	19.0	17.0	17.9	8.1	5.8	7.1	6.0	3.8	4.8
8	18.2	17.2	17.6	17.2	15.4	16.2	8.3	5.7	7.1	5.8	3.5	4.7
9	18.3	17.5	17.9	15.4	13.0	14.4	9.9	6.8	8.3	6.8	5.5	6.1
10	18.3	17.6	17.9	13.2	11.4	12.3	11.2	8.9	10.3	6.7	5.2	6.2
11	17.6	17.2	17.4	14.2	11.0	12.6	8.9	7.5	8.1	6.3	3.8	5.1
12	19.0	17.1	17.9	16.0	12.4	14.3	8.6	6.3	7.5	7.2	4.1	5.7
13	18.7	16.8	17.8	15.7	10.5	13.3	7.9	6.9	7.4	8.9	6.4	7.5
14	19.1	16.5	18.2	11.0	8.6	9.9	7.9	6.0	7.0	9.4	6.2	7.8
15	16.5	14.3	15.4	12.2	9.4	10.7	8.8	6.5	7.6	9.7	7.6	8.9
16	15.5	12.4	14.0	13.7	10.4	12.1	10.1	6.6	8.2	8.6	5.8	7.2
17	14.7	12.5	13.8	16.3	13.7	15.3	10.1	7.1	8.5	7.8	5.9	7.0
18	15.3	12.5	14.0	17.0	15.1	16.0	8.0	5.9	7.1	9.6	7.6	8.6
19	15.6	12.5	14.1	17.4	14.3	16.3	8.0	6.3	7.1	8.9	5.7	7.2
20	16.2	13.1	14.7	14.6	12.5	13.6	6.3	4.9	5.6	6.3	3.8	5.2
21	17.0	13.6	15.4	14.1	11.5	12.9	6.2	3.7	5.0	6.4	3.8	5.1
22	16.6	14.6	15.7	13.7	11.1	12.5	7.4	4.2	5.8	7.0	4.0	5.6
23	15.7	12.9	14.4	13.9	11.1	12.7	9.6	5.6	7.4	6.3	4.1	5.3
24	15.4	12.9	14.2	13.9	10.5	13.0	9.6	7.2	9.0	8.2	4.0	6.1
25	16.0	13.7	14.8	10.5	8.3	9.5	7.2	5.5	6.4	8.2	4.9	6.8
26	16.3	15.3	15.7	11.1	8.4	9.9	7.5	4.8	6.2	6.0	5.0	5.6
27	16.3	14.2	15.8	12.1	10.8	11.3	7.8	4.9	6.4	7.0	5.1	6.2
28	14.2	12.2	13.2	---	---	---	8.1	5.3	6.7	5.6	3.4	4.6
29	14.7	12.3	13.5	---	---	---	10.0	6.8	8.2	6.3	3.2	4.8
30	15.2	11.8	13.5	---	---	---	10.1	7.6	9.0	7.8	5.0	6.3
31	15.8	12.7	14.3	---	---	---	8.3	5.8	7.1	7.2	4.6	6.0
MONTH	19.1	11.8	15.5	---	---	---	---	---	---	14.2	3.2	7.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	4.8	6.1	13.4	8.4	10.8	13.1	9.2	11.0	18.1	16.4	17.1
2	6.5	3.3	5.3	15.4	12.3	13.6	13.7	9.3	11.5	18.1	15.5	17.4
3	8.0	4.0	6.2	16.2	13.4	14.6	16.3	10.2	13.0	15.5	13.1	14.2
4	7.6	5.0	6.3	15.8	13.4	14.6	15.2	10.6	12.6	15.4	11.1	13.3
5	6.6	6.3	6.5	15.8	13.7	14.8	15.2	9.2	12.0	17.5	12.2	14.8
6	8.2	5.7	6.9	16.9	14.1	15.6	16.1	9.7	12.8	19.0	14.4	16.8
7	7.9	5.6	6.7	15.7	11.8	13.5	16.5	10.8	13.6	19.7	15.3	17.5
8	7.3	4.5	5.9	12.8	9.5	11.1	17.1	12.9	14.8	20.3	15.9	18.1
9	7.2	5.6	6.3	11.5	8.1	9.8	17.8	12.1	14.8	20.6	17.1	18.8
10	8.2	6.0	7.1	12.2	7.6	9.8	15.7	11.4	13.8	20.1	17.3	18.7
11	8.9	7.4	8.2	12.5	7.1	9.8	15.9	13.1	14.6	20.1	17.8	18.8
12	8.5	6.3	7.3	13.1	8.6	10.6	15.2	12.9	14.1	20.3	17.7	18.7
13	9.8	6.6	8.3	12.7	8.0	10.3	13.5	10.6	12.6	22.3	18.5	19.7
14	9.3	8.7	9.1	14.4	9.8	12.0	13.5	9.4	11.2	20.0	18.4	19.1
15	9.2	7.7	8.5	15.4	12.6	13.9	15.9	9.7	12.7	20.3	17.7	19.0
16	7.9	7.0	7.5	16.3	13.0	14.3	17.1	11.0	14.0	19.8	17.7	18.8
17	8.1	6.6	7.3	14.9	10.7	12.5	18.1	12.2	15.1	20.0	17.7	18.9
18	9.7	6.0	7.7	13.5	9.5	11.6	19.0	13.2	16.0	19.5	18.1	18.7
19	10.1	5.7	8.0	16.4	10.2	13.1	19.1	14.1	16.6	20.3	18.0	19.1
20	10.3	6.9	8.7	16.3	11.4	13.8	18.8	14.9	16.8	21.2	18.0	19.6
21	11.9	9.2	10.5	15.4	10.6	13.7	18.1	15.1	16.6	21.8	18.7	20.2
22	11.0	7.0	9.0	12.5	8.1	10.1	19.2	14.7	16.9	20.8	19.2	20.1
23	9.3	7.6	8.6	12.4	6.7	9.5	19.5	15.3	17.3	21.6	18.7	20.1
24	10.4	9.2	9.7	14.2	7.9	10.9	19.8	15.6	17.7	21.4	18.3	19.9
25	10.1	8.3	9.3	16.1	9.8	12.8	19.6	16.3	18.0	22.3	19.4	20.8
26	8.3	5.5	6.2	17.8	11.8	14.6	18.3	15.4	17.3	22.4	19.9	21.1
27	8.0	5.7	6.7	18.3	12.3	15.1	16.4	13.4	14.9	22.1	19.7	20.9
28	10.1	5.4	7.6	18.9	12.9	15.8	16.4	11.8	14.2	21.8	19.9	20.8
29	10.4	6.1	8.3	18.4	14.8	16.2	16.9	13.3	15.1	20.7	19.6	20.2
30	---	---	---	17.6	14.3	15.5	17.1	15.8	16.4	22.2	19.2	20.6
31	---	---	---	14.3	10.9	12.9	---	---	---	21.2	19.4	20.7
MONTH	11.9	3.3	7.6	18.9	6.7	12.8	19.8	9.2	14.6	22.4	11.1	18.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.3	18.6	19.4	22.9	20.3	21.3	23.9	22.0	22.9	22.0	21.1	21.7
2	20.6	17.8	19.2	22.8	21.0	21.8	24.2	22.3	23.2	21.6	21.1	21.4
3	20.4	17.9	19.3	23.0	20.9	21.9	23.8	21.6	22.8	21.4	20.5	20.9
4	21.2	18.8	19.9	23.6	20.8	22.0	24.0	21.9	22.9	21.6	20.0	20.8
5	20.2	17.5	19.0	23.3	20.6	22.0	24.2	21.5	22.6	21.9	20.3	21.1
6	20.8	18.1	19.3	23.3	20.9	22.0	22.7	21.4	22.1	21.7	20.6	21.1
7	20.3	18.9	19.6	22.9	20.7	21.8	21.4	19.2	20.2	22.5	21.3	21.9
8	20.4	19.3	19.8	23.2	21.1	22.1	20.9	18.1	19.6	22.0	20.8	21.5
9	20.8	19.4	20.0	23.3	21.1	22.2	20.9	18.3	19.7	21.9	20.1	21.0
10	21.9	19.2	20.5	23.7	21.5	22.5	20.8	19.5	20.2	21.8	20.2	20.8
11	23.0	20.1	21.5	23.8	21.5	22.7	21.6	19.0	20.3	21.6	19.6	20.6
12	23.6	20.7	22.1	23.4	21.7	22.6	21.9	20.2	21.1	21.4	19.6	20.5
13	22.7	21.3	21.9	24.3	21.9	23.0	20.8	18.6	19.7	20.6	19.6	20.1
14	22.4	20.8	21.6	23.9	21.7	22.8	20.5	17.7	19.2	20.5	18.9	19.7
15	23.5	21.0	21.9	23.0	21.3	22.2	21.3	19.5	20.3	20.2	19.1	19.7
16	22.9	21.1	21.9	22.2	19.9	21.2	21.7	20.2	20.9	22.5	20.1	21.1
17	23.8	21.1	22.4	23.3	21.0	21.9	21.8	19.9	20.9	22.0	20.5	21.2
18	23.6	21.6	22.5	23.1	21.2	22.2	22.3	20.3	21.3	20.9	19.2	20.0
19	24.0	21.4	22.7	22.5	20.4	21.5	22.2	19.9	21.1	19.2	17.3	18.3
20	23.3	21.0	22.2	22.4	20.0	21.2	22.4	20.6	21.5	18.0	16.5	17.3
21	22.4	21.3	21.7	22.8	20.2	21.5	22.4	21.2	21.8	18.3	16.3	17.3
22	23.0	20.8	21.7	23.1	20.8	22.0	22.4	20.8	21.6	18.6	16.0	17.4
23	22.4	20.8	21.5	23.8	21.4	22.5	22.5	21.1	21.7	19.6	16.6	18.1
24	21.8	20.9	21.4	24.2	21.7	22.9	22.3	20.7	21.6	20.1	17.7	19.0
25	23.3	20.6	21.8	23.3	22.2	22.7	22.2	21.1	21.7	20.2	18.4	19.2
26	22.4	20.8	21.6	23.3	21.8	22.4	22.6	20.9	21.7	19.7	17.9	18.8
27	23.0	20.8	21.7	22.6	21.7	22.1	22.7	20.7	21.7	20.0	18.8	19.2
28	22.2	21.0	21.5	23.5	21.5	22.4	23.2	21.2	22.3	20.9	19.3	20.0
29	21.9	20.2	21.1	23.9	21.5	22.4	22.8	21.6	22.2	19.8	18.4	19.1
30	21.3	20.6	20.9	23.9	22.6	23.3	22.9	21.0	22.0	19.4	17.2	18.3
31	---	---	---	23.6	22.3	22.9	23.0	21.1	22.0	---	---	---
MONTH	24.0	17.5	21.1	24.3	19.9	22.2	24.2	17.7	21.4	22.5	16.0	19.9

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11	5.7	6.3	12	<5.0	5.5	---	---	---	8.7	<5.0	5.7
2	9.3	5.2	6.3	18	<5.0	6.1	9.2	6.2	7.1	22	<5.0	6.7
3	8.0	<5.0	5.7	14	<5.0	5.1	8.7	5.9	6.6	12	5.5	6.8
4	16	<5.0	8.8	22	<5.0	7.3	71	7.1	36	64	5.6	7.7
5	---	---	---	1280	5.4	10	37	7.8	13	238	5.6	12
6	---	---	---	683	17	44	20	5.9	7.0	106	8.5	17
7	---	---	---	21	6.2	10	20	6.3	7.8	13	5.2	5.9
8	---	---	---	13	5.5	6.5	11	5.5	6.8	6.7	<5.0	5.1
9	---	---	---	10	5.6	7.1	18	6.4	7.5	40	5.0	17
10	6.2	<5.0	<5.0	11	<5.0	6.3	972	6.5	210	12	<5.0	7.2
11	6.6	<5.0	<5.0	9.6	<5.0	5.4	139	22	39	14	<5.0	5.6
12	7.7	<5.0	<5.0	51	<5.0	7.1	22	10	13	31	<5.0	5.5
13	7.5	<5.0	<5.0	30	<5.0	8.1	137	8.2	12	9.7	<5.0	<5.0
14	9.9	<5.0	<5.0	7.4	<5.0	<5.0	508	23	82	13	<5.0	5.7
15	11	<5.0	5.0	18	<5.0	5.9	32	10	15	8.9	<5.0	<5.0
16	8.2	<5.0	<5.0	17	<5.0	<5.0	18	8.3	9.4	15	<5.0	<5.0
17	7.5	<5.0	<5.0	848	<5.0	70	54	9.8	26	17	<5.0	5.9
18	8.8	<5.0	<5.0	1650	10	17	26	7.2	13	105	8.5	29
19	5.7	<5.0	<5.0	>2200	73	196	21	6.4	9.0	9.6	<5.0	6.9
20	5.2	<5.0	<5.0	97	45	63	28	5.6	7.7	20	<5.0	5.5
21	10	<5.0	<5.0	1040	36	66	28	6.3	12	11	<5.0	5.3
22	<5.0	<5.0	<5.0	403	21	39	---	---	---	11	<5.0	<5.0
23	7.5	<5.0	<5.0	27	12	16	---	---	---	8.1	<5.0	<5.0
24	6.9	<5.0	<5.0	77	13	32	560	22	56	9.2	<5.0	<5.0
25	5.0	<5.0	<5.0	26	8.6	14	30	8.3	13	962	<5.0	235
26	463	<5.0	130	11	7.6	8.5	14	6.6	7.6	179	24	46
27	190	12	22	301	6.8	9.1	22	5.9	7.2	26	14	17
28	13	7.2	9.2	---	---	---	10	5.3	6.3	16	8.5	12
29	16	6.1	9.5	---	---	---	21	<5.0	7.0	10	7.4	8.3
30	31	<5.0	8.9	---	---	---	91	6.1	35	13	5.7	7.5
31	8.1	<5.0	<5.0	---	---	---	22	5.5	8.0	61	6.7	10
MAX	---	---	---	---	---	---	---	---	---	962	24	235
MIN	---	---	---	---	---	---	---	---	---	6.7	5.0	5.0

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	25	6.2	8.0	9.1	<5.0	<5.0	7.5	<5.0	<5.0	57	6.2	18
2	2120	5.5	8.1	24	<5.0	<5.0	<5.0	<5.0	<5.0	>2200	13	92
3	344	31	60	26	<5.0	7.5	5.7	<5.0	<5.0	38	9.7	15
4	31	12	17	240	<5.0	9.9	<5.0	<5.0	<5.0	12	6.2	8.1
5	13	8.7	9.8	47	5.3	9.9	<5.0	<5.0	<5.0	9.3	5.1	7.0
6	1280	7.6	149	214	6.4	26	6.3	<5.0	<5.0	12	6.0	7.1
7	107	28	42	17	<5.0	6.5	<5.0	<5.0	<5.0	16	5.6	7.1
8	33	18	23	9.5	<5.0	<5.0	---	---	---	13	5.7	7.6
9	24	11	12	5.2	<5.0	<5.0	---	---	---	536	5.8	8.1
10	12	8.7	10	<5.0	<5.0	<5.0	9.3	<5.0	<5.0	387	9.4	20
11	11	<5.0	7.9	7.1	<5.0	<5.0	59	<5.0	13	32	5.9	8.5
12	694	6.8	110	<5.0	<5.0	<5.0	879	<5.0	5.5	1330	6.1	7.5
13	44	13	18	<5.0	<5.0	<5.0	887	42	134	>2200	19	78
14	49	12	30	<5.0	<5.0	<5.0	42	13	21	289	25	48
15	599	16	112	8.2	<5.0	<5.0	20	8.0	12	32	13	16
16	92	14	25	8.0	<5.0	<5.0	16	6.1	8.4	44	10	13
17	14	7.2	9.4	<5.0	<5.0	<5.0	12	5.1	6.9	17	9.1	11
18	8.8	5.3	6.8	<5.0	<5.0	<5.0	9.9	<5.0	6.4	54	9.0	14
19	19	5.4	6.8	<5.0	<5.0	<5.0	11	<5.0	6.3	23	7.7	11
20	14	<5.0	6.0	<5.0	<5.0	<5.0	10	<5.0	5.9	35	7.7	11
21	18	<5.0	6.4	<5.0	<5.0	<5.0	8.4	<5.0	5.6	19	7.6	10
22	21	5.4	9.7	25	<5.0	<5.0	9.6	<5.0	5.3	36	8.8	11
23	34	<5.0	7.3	6.7	<5.0	<5.0	21	<5.0	5.6	12	7.1	9.7
24	9.8	<5.0	5.3	8.6	<5.0	<5.0	9.0	<5.0	5.7	23	6.9	9.2
25	15	<5.0	5.4	6.5	<5.0	<5.0	9.1	<5.0	5.6	21	8.1	10
26	90	5.3	27	<5.0	<5.0	<5.0	121	5.7	24	26	9.0	11
27	68	8.1	13	<5.0	<5.0	<5.0	18	5.4	7.7	22	8.8	11
28	12	<5.0	5.5	<5.0	<5.0	<5.0	9.7	<5.0	5.8	21	10	12
29	8.0	<5.0	<5.0	<5.0	<5.0	<5.0	12	<5.0	5.0	17	9.3	13
30	---	---	---	96	<5.0	27	11	<5.0	5.4	18	8.7	11
31	---	---	---	8.2	<5.0	<5.0	---	---	---	1760	10	63
MAX	2120	31	149	240	6.4	27	---	---	---	2200	25	92
MIN	8.0	5.0	5.0	5.0	5.0	5.0	---	---	---	9.3	5.1	7.0

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	73	16	21	>2200	18	40	31	10	14	207	<5.0	23
2	29	9.8	13	433	50	100	26	8.7	11	137	9.9	24
3	15	8.3	11	54	22	33	16	8.5	10	11	<5.0	6.0
4	33	9.1	11	365	18	29	12	6.7	8.3	10	<5.0	<5.0
5	14	8.1	11	67	15	28	610	6.9	12	5.6	<5.0	<5.0
6	29	6.9	10	17	10	12	40	9.3	16	7.0	<5.0	<5.0
7	345	8.3	10	16	7.6	9.8	18	6.7	9.2	2140	<5.0	361
8	584	15	65	34	6.8	8.2	12	6.2	8.2	278	33	74
9	21	10	14	12	6.2	7.7	11	6.1	7.1	46	15	23
10	32	7.9	10	10	5.9	7.2	7.5	<5.0	6.2	16	9.0	12
11	18	7.5	9.6	11	5.8	8.2	17	<5.0	5.8	20	6.9	9.5
12	13	7.6	10	21	6.5	11	>2200	17	147	8.7	5.0	6.6
13	369	10	39	22	8.4	9.8	376	31	63	9.0	5.0	5.8
14	32	8.6	14	522	6.8	9.0	87	15	23	27	6.2	7.2
15	503	8.2	13	205	18	45	24	9.3	12	67	6.2	7.9
16	182	14	28	23	8.1	11	95	11	15	>2200	7.7	43
17	23	7.5	11	107	6.0	8.4	28	7.9	11	615	86	159
18	38	6.8	9.5	44	9.2	20	16	8.5	10	86	37	60
19	66	6.7	9.6	14	5.7	7.5	12	7.0	8.4	39	23	31
20	15	6.6	9.1	11	5.1	6.9	74	6.9	12	34	18	21
21	23	8.3	11	11	<5.0	6.5	50	8.7	21	18	12	15
22	55	6.6	10	9.8	5.0	6.1	---	---	---	17	11	13
23	201	8.2	16	9.0	<5.0	6.2	---	---	---	14	9.5	12
24	101	11	26	12	<5.0	6.1	9.3	<5.0	5.1	16	9.7	12
25	1970	18	132	14	<5.0	6.1	7.0	<5.0	5.3	16	7.1	9.6
26	171	18	37	75	5.8	15	5.6	<5.0	<5.0	12	6.8	8.1
27	>2200	9.9	20	15	5.0	6.5	9.6	<5.0	<5.0	>2200	8.4	12
28	413	81	165	15	<5.0	5.7	7.7	<5.0	<5.0	632	49	123
29	87	27	44	>2200	5.5	7.7	70	<5.0	<5.0	49	21	32
30	48	19	24	865	64	146	24	<5.0	<5.0	24	13	18
31	---	---	---	64	16	26	4.1	<5.0	<5.0	---	---	---
MAX	2200	81	165	2200	64	146	---	---	---	2200	86	361
MIN	13	6.6	9.1	9.0	5.0	5.7	---	---	---	5.6	5.0	5.0

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°05'47", long 84°04'47", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit Code 03130001, on upstream side of culvert on Suwanee Dam Road, 4.0 miles East of GA 141. Suwanee Dam Road near Buford, GA, 5.0 miles North of Level Creek, and 7.0 miles South of Buford Dam.

DRAINAGE AREA.—5.04 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 25, 2001 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)
OCT													
03...	1025	--	9	81213	3.4	3.52	--	4.7	--	--	120	--	--
NOV													
17-17	0745	0755	J	81213	64	4.49	--	600	--	--	16000	--	--
DEC													
09...	1000	--	9	81213	4.9	3.54	--	5.7	--	--	--	--	--
FEB													
12-12	0840	0850	J	81213	56	4.43	--	310	--	--	2400	--	--
MAR													
09...	1000	--	9	81213	5.3	3.55	--	7.3	--	--	200	--	--
23...	1410	--	9	81213	6.3	3.57	--	3.9	--	--	39	--	--
APR													
26-26	0920	0930	J	81213	13	3.73	--	82	--	--	2400	--	--
MAY													
25...	0845	--	9	81213	3.8	3.49	--	11	--	--	530	--	--
JUL													
08...	1020	--	9	81213	3.4	3.50	--	9.8	.7	<5	--	6.10	22
JUL													
14-14	1805	1835	J	81213	5.8	3.55	--	110	3.2	<5	28000	5.30	19
AUG													
05-05	1515	1715	J	80855	--	--	220	240	6.7	E18	25000	5.50	25
AUG													
12-12	0540	0930	J	80855	--	--	560	830	8.3	E15	58000	2.50	16

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA —continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Loss on ig-nition, from ROE, wat unf mg/L (00505)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)
OCT													
03...	--	--	--	54	5	3	.30	.310	A.015	<.20	<.02	<.02	--
NOV													
17-17	--	--	--	40	512	81	.40	.400	A.073	2.5	<.02	.41	--
DEC													
09...	--	--	--	52	4	2	.44	.440	.038	<.20	<.02	<.02	--
FEB													
12-12	--	--	--	28	192	29	.39	.390	A.117	1.0	.04	.25	--
MAR													
09...	--	--	--	57	3	2	.32	.350	A.011	<.20	<.02	<.02	--
23...	--	--	--	57	5	1	.64	.640	A.039	<.20	<.02	.03	--
APR													
26-26	--	--	--	58	87	16	.46	.460	A.144	.80	<.02	.12	--
MAY													
25...	--	--	--	60	7	<1	.34	.340	A.052	.30	<.02	.02	--
JUL													
08...	1.60	--	--	59	4	1	.21	.300	A.044	<.20	<.02	<.02	<.5
JUL													
14-14	1.30	--	--	56	130	20	.36	.320	A.128	.70	<.02	.09	<.5
AUG													
05-05	1.20	2.3	48	98	220	140	.430	.690	.190	.95	E.049	.130	<5
AUG													
12-12	.67	1.4	--	82	1000	140	.670	.300	.170	2.0	.056	.370	<5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Organic carbon, water, unfltrd mg/L (00680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT								
03...	--	--	--	--	--	1.2	--	4
NOV								
17-17	--	--	--	--	--	5.2	36	619
DEC								
09...	--	--	--	--	--	.9	--	3
FEB								
12-12	--	--	--	--	--	6.3	75	276
MAR								
09...	--	--	--	--	--	.8	--	4
23...	--	--	--	--	--	.9	--	2
APR								
26-26	--	--	--	--	--	3.1	60	106
MAY								
25...	--	--	--	--	--	1.6	--	7
JUL								
08...	<1	<2	<2	233	3	2.3	--	6
JUL								
14-14	3	4	3	551	18	2.9	61	20
AUG								
05-05	10	M	M	310	40	--	88	24
AUG								
12-12	E5	M	M	760	50	--	53	1900

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA —continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
03...	1029	9	16.0	3.4	3.52	97	10.0	6.8	75	13.3	12	--	--
03...	1030	9	11.0	3.4	3.52	97	10.0	6.8	75	13.3	5.7	--	--
03...	1031	9	6.00	3.4	3.52	97	10.0	6.8	75	13.3	7.1	--	--
NOV													
17...	0755	J	18.0	61	4.47	90	8.9	6.3	58	15.1	760	--	--
17...	0756	J	12.0	61	4.47	90	8.9	6.3	58	15.1	700	38	629
17...	0757	J	6.00	61	4.47	91	8.9	6.3	58	15.1	710	34	609
DEC													
09...	1005	9	15.0	4.9	3.54	113	13.7	6.9	74	7.4	9.2	--	3
09...	1006	9	10.0	4.9	3.54	113	13.6	6.9	74	7.4	6.8	--	2
09...	1007	9	5.00	4.9	3.54	113	13.7	6.9	74	7.4	7.2	--	6
FEB													
12...	0851	J	15.0	53	4.40	97	11.6	5.9	41	6.4	410	71	257
12...	0852	J	10.0	53	4.39	97	11.6	5.9	41	6.4	400	66	282
12...	0853	J	5.00	52	4.39	97	11.6	6.0	41	6.4	400	75	243
MAR													
09...	1015	9	4.00	5.3	3.55	95	10.7	6.9	73	9.0	8.3	--	--
09...	1016	9	8.00	5.3	3.55	95	10.7	6.9	73	9.0	6.8	--	--
09...	1017	9	12.0	5.3	3.55	95	10.7	6.9	73	9.0	6.6	--	--
23...	1419	9	12.0	6.3	3.57	136	14.6	7.1	72	11.8	13	--	--
23...	1420	9	8.00	6.3	3.57	134	14.3	7.1	72	11.8	4.1	--	--
23...	1421	9	3.00	6.3	3.57	133	14.2	7.1	72	11.8	3.9	--	--
APR													
26...	0935	J	15.0	13	3.73	65	6.2	6.5	78	17.5	110	60	96
26...	0937	J	10.0	14	3.74	79	7.6	6.4	78	17.5	110	64	98
26...	0939	J	5.00	14	3.74	83	7.9	6.4	78	17.6	110	59	91
MAY													
25...	0849	9	5.00	3.8	3.49	89	7.9	6.2	73	19.7	15	--	--
25...	0850	9	10.0	3.8	3.49	89	7.9	6.2	73	19.7	19	--	--
25...	0851	9	15.0	3.8	3.49	89	7.9	6.2	73	19.7	22	--	--
JUL													
08...	1030	9	4.00	3.4	3.50	83	7.1	6.9	72	21.5	9.8	--	--
08...	1031	9	8.00	3.4	3.50	83	7.1	6.9	72	21.5	8.3	--	--
08...	1032	9	13.0	3.4	3.50	84	7.1	6.9	72	21.5	8.0	--	--
AUG													
05...	1709	J	15.0	12	3.69	90	7.3	7.0	68	24.0	250	--	--
05...	1710	J	10.0	12	3.69	90	7.3	7.0	68	24.0	260	--	--
05...	1711	J	5.00	12	3.69	90	7.3	7.0	68	24.0	260	--	--
12...	0854	J	4.00	195	5.53	95	8.2	6.5	34	21.3	710	--	--
12...	0855	J	10.0	195	5.53	94	8.1	6.5	34	21.3	730	--	--
12...	0856	J	16.0	195	5.53	94	8.1	6.5	34	21.3	730	--	--

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

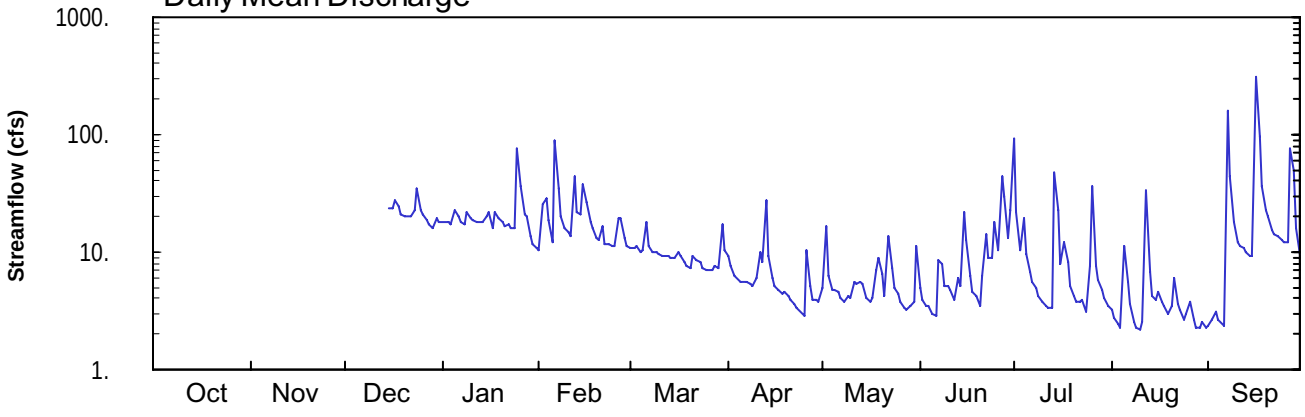
APALACHICOLA RIVER BASIN

02334620 DICK CREEK AT OLD ATLANTA RD, NEAR SUWANEE, GA

Latitude: 34°04'17" Longitude: 084°07'49" Hydrologic Unit Code: 03130001

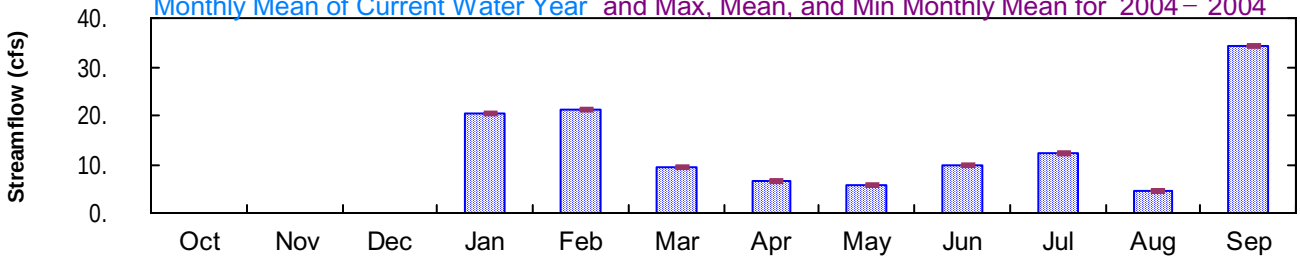
Forsyth County Datum: feet Drainage Area: 6.9 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2004 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02334620 DICK CREEK AT OLD ATLANTA ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°04'17", long 84°07'49", referenced to North American Datum (NAD) of 1927, Forsyth County, Hydrologic Unit 03130001, on left bank of culvert on Old Atlanta Road, 0.8 miles upstream from the confluence with the Chattahoochee River, 3.5 miles west of Suwanee.

DRAINAGE AREA.—6.90 square miles.

COOPERATION.—Georgia Environmental Protection Division.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 31, 1961, July 29, 1975 to August 16, 1976, August 26, 1986 to July 21, 1988, December 15, 2003 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

WATER–STAGE RECORDS

PERIOD OF RECORD.—September 31, 1961, July 29, 1975 to August 16, 1976, August 26, 1986 to July 21, 1988, December 15, 2003 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.90 feet, September 16; minimum gage-height recorded, 1.89 feet, August 4, 5, 9, 10, 28, 29, 31, September 1.

PRECIPITATION RECORDS

PERIOD OF RECORD.— December 15, 2003 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334620 DICK CREEK AT OLD ATLANTA RD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 117
LATITUDE 340417 LONGITUDE 0840749 NAD27 DRAINAGE AREA 6.90 CONTRIBUTING DRAINAGE AREA 6.4* DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	18	10	11	9.3	5.0	5.0	91	3.3	2.4
2	---	---	---	18	26	11	7.7	17	3.9	22	2.8	2.7
3	---	---	---	18	29	11	6.3	6.3	3.5	10	2.5	3.1
4	---	---	---	18	19	10	5.9	4.8	3.5	20	2.3	2.7
5	---	---	---	23	12	10	5.7	4.7	3.0	9.6	11	2.5
6	---	---	---	20	87	18	5.6	4.6	2.9	6.8	5.5	2.4
7	---	---	---	18	35	11	5.5	4.1	8.7	5.5	3.6	162
8	---	---	---	17	20	9.9	5.4	3.8	7.8	4.9	2.5	44
9	---	---	---	22	16	9.8	5.2	4.2	5.1	4.2	2.3	18
10	---	---	---	20	15	9.6	6.0	4.1	5.1	3.8	2.2	12
11	---	---	---	18	14	9.3	10	5.7	4.8	3.5	2.5	11
12	---	---	---	18	45	9.3	8.2	5.4	3.9	3.4	34	11
13	---	---	---	18	22	9.1	28	5.5	6.1	3.3	6.9	10
14	---	---	---	18	21	8.9	9.2	5.3	5.2	49	4.2	9.2
15	---	---	e24	20	37	9.0	6.1	4.1	22	23	3.9	9.4
16	---	---	23	22	26	10	5.2	3.8	13	7.9	4.6	314
17	---	---	27	16	18	9.2	4.8	4.1	6.2	12	3.8	97
18	---	---	24	22	16	8.2	4.5	6.9	4.6	8.2	3.5	36
19	---	---	21	19	13	7.7	4.6	8.8	4.2	5.2	3.0	23
20	---	---	20	18	13	7.4	4.3	6.4	3.5	4.3	3.5	20
21	---	---	20	16	16	9.4	3.9	4.2	6.3	3.8	6.0	16
22	---	---	20	17	12	8.6	3.7	14	14	3.7	3.7	14
23	---	---	23	16	12	8.2	3.3	7.2	8.7	3.9	3.2	13
24	---	---	35	16	11	7.4	3.0	5.0	8.7	3.1	2.6	12
25	---	---	23	76	11	7.2	2.9	4.4	18	7.6	3.0	12
26	---	---	e21	36	19	7.0	10	3.7	10	36	3.8	12
27	---	---	e19	21	19	7.2	5.1	3.4	43	7.7	2.7	77
28	---	---	e17	20	13	7.5	4.0	3.3	29	5.7	2.3	50
29	---	---	e16	14	11	7.4	3.9	3.5	13	4.7	2.2	16
30	---	---	20	12	---	17	3.8	3.8	22	4.1	2.5	9.5
31	---	---	18	11	---	10	---	11	---	3.5	2.3	---
TOTAL	---	---	---	636	618	296.3	191.1	178.1	294.7	381.4	142.2	1023.9
MEAN	---	---	---	20.5	21.3	9.56	6.37	5.75	9.82	12.3	4.59	34.1
MAX	---	---		76	87	18	28	17	43	91	34	314
MIN	---	---		11	10	7.0	2.9	3.3	2.9	3.1	2.2	2.4
CFSM	---	---	---	3.21	3.33	1.49	1.00	0.90	1.53	1.92	0.72	5.33
IN.	---	---	---	3.70	3.59	1.72	1.11	1.04	1.71	2.22	0.83	5.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

MEAN	---	---	---	20.5	21.3	9.56	6.37	5.75	9.82	12.3	4.59	34.1
MAX	---	---	---	20.5	21.3	9.56	6.37	5.75	9.82	12.3	4.59	34.1
(WY)	---	---	---	2004	2004	2004	2004	2004	2004	2004	2004	2004
MIN	---	---	---	20.5	21.3	9.56	6.37	5.75	9.82	12.3	4.59	34.1
(WY)	---	---	---	2004	2004	2004	2004	2004	2004	2004	2004	2004

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334620 DICK CREEK AT OLD ATLANTA RD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 117
LATITUDE 340417 LONGITUDE 0840749 NAD27 DRAINAGE AREA 6.90 CONTRIBUTING DRAINAGE AREA 6.4* DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	2.35	2.19	2.20	2.16	2.07	2.03	3.11	1.95	1.91
2	---	---	---	2.35	2.43	2.20	2.12	2.32	1.98	2.48	1.93	1.92
3	---	---	---	2.35	2.55	2.21	2.07	2.07	1.96	2.28	1.91	1.95
4	---	---	---	2.35	2.37	2.18	2.06	2.02	1.96	2.42	1.90	1.92
5	---	---	---	2.45	2.24	2.19	2.05	2.02	1.94	2.26	2.12	1.91
6	---	---	---	2.40	3.09	2.34	2.05	2.01	1.93	2.19	2.04	1.91
7	---	---	---	2.36	2.65	2.21	2.05	1.99	2.08	2.15	1.97	3.74
8	---	---	---	2.34	2.39	2.18	2.04	1.98	2.10	2.13	1.92	2.75
9	---	---	---	2.43	2.31	2.18	2.04	2.00	2.02	2.11	1.90	2.35
10	---	---	---	2.39	2.29	2.17	2.06	1.99	2.03	2.10	1.90	2.24
11	---	---	---	2.37	2.27	2.16	2.18	2.04	2.02	2.09	1.92	2.21
12	---	---	---	2.35	2.76	2.16	2.12	2.04	1.98	2.08	2.52	2.21
13	---	---	---	2.35	2.44	2.16	2.54	2.04	2.06	2.08	2.09	2.18
14	---	---	---	2.35	2.41	2.15	2.20	2.04	2.03	2.56	1.99	2.16
15	---	---	---	2.39	2.65	2.15	2.11	1.99	2.36	2.41	1.98	2.17
16	---	---	2.46	2.43	2.51	2.18	2.08	1.98	2.24	2.12	2.01	4.36
17	---	---	2.52	2.32	2.36	2.16	2.07	1.99	2.07	2.20	1.98	3.31
18	---	---	2.47	2.44	2.31	2.13	2.06	2.08	2.01	2.13	1.96	2.69
19	---	---	2.42	2.39	2.26	2.11	2.06	2.12	2.00	2.03	1.94	2.50
20	---	---	2.40	2.36	2.25	2.11	2.05	2.07	1.96	2.00	1.96	2.45
21	---	---	2.40	2.33	2.32	2.16	2.03	1.99	2.06	1.98	2.05	2.38
22	---	---	2.40	2.34	2.22	2.14	2.02	2.20	2.22	1.98	1.97	2.34
23	---	---	2.44	2.32	2.22	2.13	2.01	2.10	2.13	1.98	1.95	2.33
24	---	---	2.64	2.32	2.21	2.11	1.99	2.03	2.14	1.94	1.92	2.31
25	---	---	2.44	3.07	2.21	2.10	1.99	2.00	2.34	2.01	1.94	2.31
26	---	---	---	2.66	2.38	2.09	2.19	1.97	2.18	2.58	1.98	2.31
27	---	---	---	2.42	2.38	2.10	2.08	1.96	2.54	2.11	1.92	2.96
28	---	---	---	2.40	2.26	2.11	2.04	1.95	2.55	2.05	1.90	2.83
29	---	---	---	2.27	2.21	2.11	2.03	1.97	2.25	2.02	1.90	2.38
30	---	---	2.39	2.22	---	2.33	2.03	1.98	2.34	1.99	1.92	2.25
31	---	---	2.36	2.20	---	2.19	---	2.18	---	1.96	1.90	---
MEAN	---	---	---	2.39	2.38	2.16	2.09	2.04	2.12	2.18	1.98	2.44
MAX	---	---	---	3.07	3.09	2.34	2.54	2.32	2.55	3.11	2.52	4.36
MIN	---	---	---	2.20	2.19	2.09	1.99	1.95	1.93	1.94	1.90	1.91

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334620 DICK CREEK AT OLD ATLANTA RD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 117
LATITUDE 340417 LONGITUDE 0840749 NAD27 DRAINAGE AREA 6.90 CONTRIBUTING DRAINAGE AREA 6.4* DATUM

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.00	0.00	0.00	0.00	0.56	0.00	1.97	0.00	0.08
2	---	---	---	0.00	0.78	0.10	0.00	0.34	0.00	0.06	0.00	0.15
3	---	---	---	0.00	0.05	0.01	0.00	0.00	0.00	0.08	0.00	0.00
4	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00
5	---	---	---	0.38	0.04	0.00	0.00	0.00	0.00	0.09	0.92	0.00
6	---	---	---	0.00	1.05	0.37	0.00	0.00	0.00	0.00	0.00	0.03
7	---	---	---	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	4.03
8	---	---	---	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
9	---	---	---	0.20	0.00	0.06	0.00	0.00	0.39	0.00	0.00	0.00
10	---	---	---	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00
11	---	---	---	0.00	0.12	0.00	0.21	0.40	0.00	0.00	0.00	0.00
12	---	---	---	0.00	0.74	0.00	0.53	0.25	0.01	0.00	1.50	0.00
13	---	---	---	0.00	0.00	0.00	0.57	0.00	0.50	0.00	0.00	0.00
14	---	---	---	0.00	0.25	0.00	0.01	0.00	0.26	1.54	0.00	0.00
15	---	---	---	0.00	0.53	0.00	0.00	0.00	0.67	0.01	0.00	0.00
16	---	---	0.09	0.00	0.00	0.13	0.00	0.01	0.03	0.00	0.00	4.92
17	---	---	0.11	0.20	0.00	0.00	0.00	0.00	0.01	0.44	0.00	0.14
18	---	---	0.00	0.13	0.00	0.00	0.00	0.31	0.03	0.00	0.00	0.00
19	---	---	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00
20	---	---	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.10	0.00
21	---	---	0.00	0.00	0.03	0.05	0.00	0.00	0.50	0.00	0.01	0.00
22	---	---	---	0.00	0.00	0.00	0.00	0.23	0.39	0.00	0.00	0.00
23	---	---	---	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00
24	---	---	0.01	0.00	0.01	0.00	0.00	0.00	0.27	0.00	0.00	0.00
25	---	---	0.00	2.05	0.12	0.00	0.00	0.00	0.38	0.34	0.01	0.00
26	---	---	0.00	0.02	0.10	0.00	0.55	0.00	0.08	0.20	0.00	0.00
27	---	---	---	0.00	0.48	0.00	0.00	0.00	1.22	0.00	0.00	2.57
28	---	---	---	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.01
29	---	---	---	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.02	0.00
30	---	---	0.16	0.00	---	0.65	0.00	0.00	0.35	0.00	0.00	0.00
31	---	---	0.00	0.00	---	0.03	---	0.57	---	0.00	0.00	---
TOTAL	---	---	---	3.03	4.32	1.46	1.87	3.40	6.33	4.98	2.56	12.09

02334620 DICK CREEK AT OLD ATLANTA ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°04'17", long 84°07'49", referenced to North American Datum (NAD) of 1983, Forsyth County, Hydrologic Unit 03130001, on left bank of culvert on Old Atlanta Road, 0.8 miles upstream from the confluence with the Chattahoochee River, 3.5 miles west of Suwanee.

DRAINAGE AREA.—6.90 square miles.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—December 15, 2004 to September 30, 2004**.**

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: December 15, 2004 to September 30, 2004**.**

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 27.1°C, July 13; minimum recorded, 2.4°C, January 29.

STATION NUMBER 02334620 DICK CREEK AT OLD ATLANTA RD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 117
LATITUDE 340417 LONGITUDE 0840749 NAD27 DRAINAGE AREA 6.90 CONTRIBUTING DRAINAGE AREA 6.4 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	8.6	5.1	6.9
2	---	---	---	---	---	---	---	---	---	9.8	7.0	8.5
3	---	---	---	---	---	---	---	---	---	12.1	8.9	10.4
4	---	---	---	---	---	---	---	---	---	13.3	10.7	11.9
5	---	---	---	---	---	---	---	---	---	13.8	10.7	12.9
6	---	---	---	---	---	---	---	---	---	10.7	6.0	8.4
7	---	---	---	---	---	---	---	---	---	6.0	3.7	4.7
8	---	---	---	---	---	---	---	---	---	5.2	3.1	4.3
9	---	---	---	---	---	---	---	---	---	6.0	4.8	5.3
10	---	---	---	---	---	---	---	---	---	6.1	4.5	5.4
11	---	---	---	---	---	---	---	---	---	5.8	3.2	4.5
12	---	---	---	---	---	---	---	---	---	6.6	3.2	4.9
13	---	---	---	---	---	---	---	---	---	8.1	5.1	6.4
14	---	---	---	---	---	---	---	---	---	8.7	5.4	7.1
15	---	---	---	---	---	---	---	---	---	8.8	7.1	8.1
16	---	---	---	---	---	---	9.0	5.5	7.2	8.3	5.6	7.0
17	---	---	---	---	---	---	9.0	6.3	7.6	7.3	5.4	6.5
18	---	---	---	---	---	---	7.7	5.3	6.5	9.0	7.1	8.1
19	---	---	---	---	---	---	7.3	5.5	6.4	8.1	5.2	6.7
20	---	---	---	---	---	---	5.6	4.0	4.8	6.2	3.4	4.9
21	---	---	---	---	---	---	5.5	2.8	4.2	6.2	3.4	4.8
22	---	---	---	---	---	---	6.7	3.3	5.0	6.7	3.3	5.1
23	---	---	---	---	---	---	8.9	4.5	6.4	6.0	3.5	4.8
24	---	---	---	---	---	---	8.6	6.5	8.1	8.0	3.3	5.5
25	---	---	---	---	---	---	6.8	5.1	6.0	7.7	5.7	6.8
26	---	---	---	---	---	---	7.0	4.2	5.6	5.7	5.3	5.5
27	---	---	---	---	---	---	---	---	---	6.4	4.2	5.4
28	---	---	---	---	---	---	---	---	---	4.9	2.9	3.9
29	---	---	---	---	---	---	---	---	---	5.8	2.4	4.0
30	---	---	---	---	---	---	9.0	7.0	8.1	7.2	4.0	5.5
31	---	---	---	---	---	---	8.0	5.1	6.6	6.7	3.5	5.1
MONTH	---	---	---	---	---	---	---	---	---	13.8	2.4	6.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334620 DICK CREEK AT OLD ATLANTA RD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 117
LATITUDE 340417 LONGITUDE 0840749 NAD27 DRAINAGE AREA 6.90 CONTRIBUTING DRAINAGE AREA 6.4 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.6	3.9	5.3	13.5	8.0	10.7	14.9	10.7	12.7	19.8	17.9	18.6
2	5.9	3.9	4.9	15.8	12.2	13.7	15.2	10.5	12.8	19.8	16.9	18.8
3	7.3	4.5	5.6	17.0	13.9	15.1	17.3	11.1	14.1	16.9	14.5	15.8
4	6.8	4.4	5.6	16.8	14.1	15.3	16.2	11.5	13.7	16.9	12.5	14.8
5	5.8	5.3	5.5	16.5	14.2	15.3	16.2	10.0	13.1	19.0	13.5	16.4
6	7.4	5.4	6.2	17.6	14.9	16.2	17.2	10.7	14.0	20.9	16.2	18.5
7	7.1	4.9	6.1	16.8	12.9	14.7	17.6	11.8	14.8	21.7	17.0	19.4
8	6.7	3.8	5.2	13.7	10.6	12.1	18.1	13.8	15.8	22.3	17.7	20.1
9	6.4	4.7	5.5	12.3	8.8	10.7	19.1	13.3	16.2	23.1	19.1	21.0
10	7.3	5.1	6.1	12.9	8.3	10.6	16.9	12.5	15.1	22.8	19.5	21.1
11	7.8	6.2	7.0	13.2	7.6	10.5	17.3	14.4	15.9	22.4	19.8	21.0
12	7.4	6.5	6.9	13.7	9.2	11.4	16.3	14.1	15.3	21.8	20.1	20.9
13	9.3	5.7	7.4	13.7	8.8	11.2	14.9	11.6	13.8	22.1	20.2	21.0
14	8.7	8.0	8.4	15.2	10.4	12.7	14.6	10.6	12.4	21.6	20.0	20.8
15	8.6	7.5	8.1	16.4	13.2	14.7	17.0	10.4	13.7	22.5	19.2	20.8
16	7.5	6.6	7.0	17.1	13.8	15.2	18.6	12.0	15.3	22.3	19.2	20.8
17	7.7	6.0	6.8	15.8	11.6	13.6	19.6	13.3	16.5	22.4	20.1	21.3
18	9.4	5.3	7.2	14.5	10.5	12.6	20.6	14.5	17.6	22.1	20.1	21.0
19	10.1	5.5	7.7	17.2	11.1	14.1	21.0	15.6	18.4	23.0	20.4	21.7
20	10.0	6.6	8.3	17.4	12.3	14.8	20.7	16.7	18.7	23.5	20.7	22.2
21	11.7	9.1	10.1	16.4	12.0	14.8	19.8	16.9	18.4	24.3	20.8	22.6
22	11.3	7.4	9.3	13.7	9.6	11.4	21.0	16.2	18.6	23.9	20.1	22.6
23	9.5	7.8	8.7	13.4	7.7	10.6	20.9	16.8	19.0	---	---	---
24	10.1	8.9	9.5	15.0	8.7	11.8	21.8	17.1	19.4	23.7	20.6	22.2
25	9.7	8.0	9.0	17.1	10.3	13.7	21.7	17.8	19.8	24.8	20.3	23.2
26	8.0	5.7	6.3	18.8	12.6	15.6	20.1	17.1	18.9	24.8	22.0	23.4
27	7.6	5.8	6.5	19.3	13.3	16.3	18.1	15.3	16.7	24.5	21.9	23.2
28	9.8	4.9	7.2	19.9	14.0	17.0	17.9	13.4	15.8	23.9	22.0	22.9
29	10.4	6.0	8.2	19.7	15.9	17.5	18.5	14.6	16.6	22.8	21.5	22.2
30	---	---	---	19.3	15.5	17.0	18.6	17.4	17.9	24.6	21.2	22.8
31	---	---	---	15.9	12.4	14.5	---	---	---	23.6	21.5	22.8
MONTH	11.7	3.8	7.1	19.9	7.6	13.7	21.8	10.0	16.0	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334620 DICK CREEK AT OLD ATLANTA RD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 117
LATITUDE 340417 LONGITUDE 0840749 NAD27 DRAINAGE AREA 6.90 CONTRIBUTING DRAINAGE AREA 6.4 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.4	20.6	21.4	24.1	22.4	23.1	26.4	23.6	25.0	23.8	22.5	23.2
2	22.8	19.4	21.1	24.7	22.4	23.4	26.4	24.0	25.2	23.2	22.4	22.7
3	22.8	19.7	21.4	25.8	22.7	24.0	26.4	23.1	24.9	23.0	21.9	22.4
4	23.5	20.6	22.0	25.3	23.0	24.2	26.3	23.5	25.0	23.1	21.2	22.2
5	22.3	18.7	21.0	26.7	22.9	24.7	26.0	22.8	24.4	23.5	21.5	22.4
6	22.9	19.7	21.3	26.2	23.4	24.7	25.6	23.5	24.5	22.8	21.6	22.2
7	23.6	20.4	21.7	25.7	22.8	24.3	24.3	21.6	23.1	22.5	22.0	22.3
8	23.1	21.6	22.1	26.0	23.4	24.7	22.8	19.5	21.3	22.4	21.8	22.2
9	23.1	21.2	22.0	26.0	23.2	24.7	22.7	19.5	21.2	23.0	21.1	22.1
10	25.2	21.3	23.2	26.5	23.5	25.0	22.2	20.7	21.5	23.4	21.8	22.5
11	26.1	22.8	24.5	26.6	23.4	25.0	23.3	20.1	21.8	23.7	21.3	22.5
12	26.8	23.2	25.0	26.1	23.6	24.9	23.6	21.4	22.7	23.5	21.4	22.4
13	25.0	23.6	24.1	27.1	24.0	25.5	22.4	20.3	21.4	22.4	21.1	21.9
14	25.2	23.2	24.0	26.6	23.8	25.0	22.1	19.2	20.8	22.0	20.0	21.0
15	25.7	23.9	24.6	25.4	23.6	24.5	23.4	20.8	22.0	21.4	20.5	21.0
16	25.9	23.4	24.6	24.8	22.4	23.8	23.8	21.9	22.7	22.7	21.3	21.9
17	26.1	23.8	25.1	25.5	23.3	24.3	24.0	21.5	22.8	22.3	21.5	21.9
18	26.2	23.8	25.0	25.8	23.6	24.7	24.4	22.0	23.2	22.4	20.2	21.2
19	26.8	22.7	25.2	25.2	22.7	23.9	24.7	21.4	23.1	20.6	18.5	19.7
20	26.0	23.2	24.6	25.1	21.9	23.5	24.6	22.2	23.5	19.7	18.2	18.9
21	24.9	23.4	24.1	25.3	22.1	23.8	24.6	23.2	23.9	19.5	17.6	18.6
22	25.4	22.8	24.2	25.6	22.5	24.1	24.7	22.5	23.6	19.9	17.2	18.6
23	24.8	23.1	23.7	26.4	23.2	24.8	24.7	22.8	23.6	21.1	17.9	19.5
24	24.4	23.0	23.6	26.6	23.5	25.1	24.5	22.2	23.5	21.6	19.1	20.4
25	25.2	22.9	23.9	25.4	23.9	24.6	24.3	22.7	23.4	21.5	19.6	20.5
26	24.8	23.0	23.8	25.4	23.5	24.3	24.7	22.7	23.6	21.1	19.1	20.2
27	24.2	22.8	23.5	24.9	24.0	24.4	24.8	22.1	23.6	20.4	19.9	20.1
28	23.8	22.6	23.1	25.8	23.8	24.7	25.3	22.7	24.1	21.5	19.8	20.6
29	25.0	22.0	23.4	25.1	23.4	24.2	24.6	23.0	23.8	21.1	19.4	20.3
30	23.9	22.7	23.2	26.1	23.8	24.8	25.0	22.4	23.7	20.8	18.5	19.7
31	---	---	---	26.1	23.7	24.8	25.1	22.6	23.8	---	---	---
MONTH	26.8	18.7	23.3	27.1	21.9	24.4	26.4	19.2	23.2	23.8	17.2	21.2

APALACHICOLA RIVER BASIN
2004 Water Year

02334880 MILL CREEK AT WILDWOOD ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°01'41", long 84°04'13", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, at culvert on Wildwood Road near Suwanee.

DRAINAGE AREA.—1.86 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1995 to current year.

GAGE.--Crest-stage partial-record gage. Datum of gage is 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.60 feet, September 16, 2004
DISCHARGE: 676 cfs, September 16, 2004

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.60 feet, September 16
DISCHARGE: 676 cfs, September 16

2004 Water Year

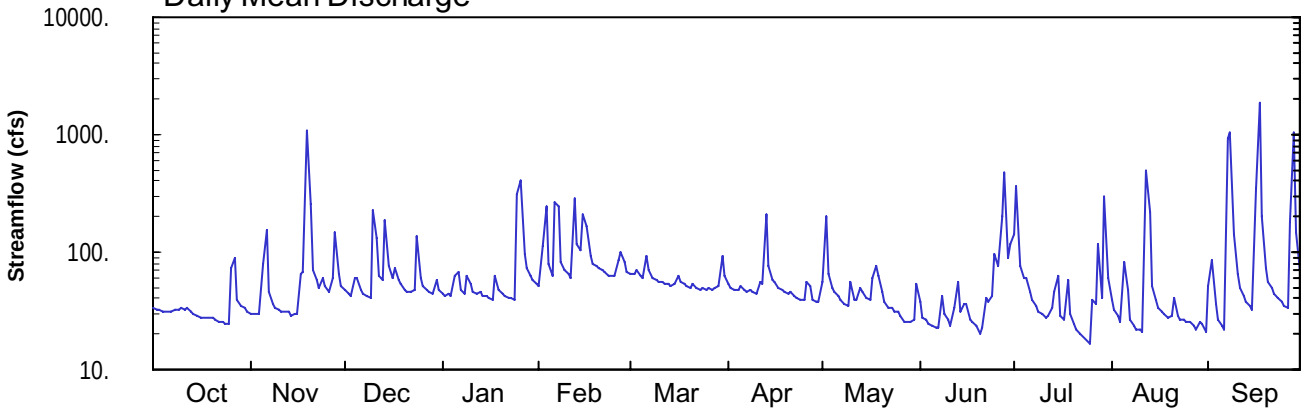
APALACHICOLA RIVER BASIN

02334885 SUWANEE CREEK AT SUWANEE, GA

Latitude: 34°01'56" Longitude: 084°05'22" Hydrologic Unit Code: 03130001

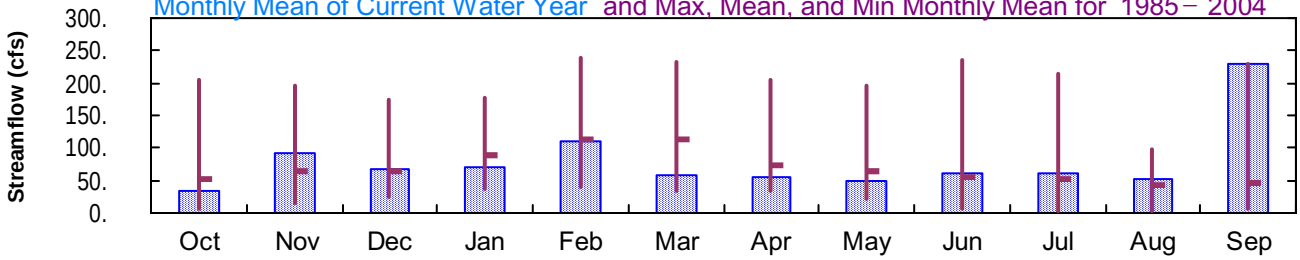
Gwinnett County Datum: 909.71 feet Drainage Area: 47. mi²

Daily Mean Discharge

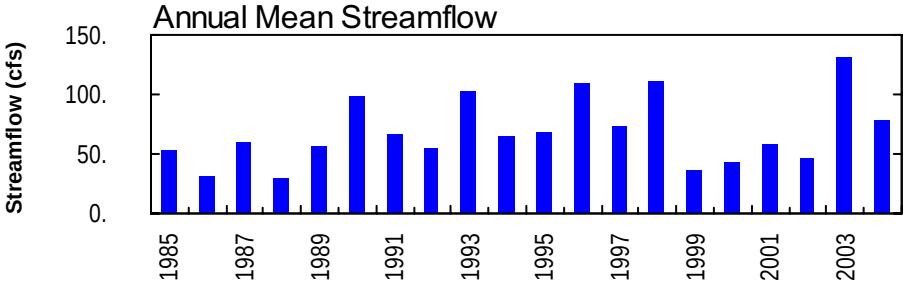


Monthly Statistics

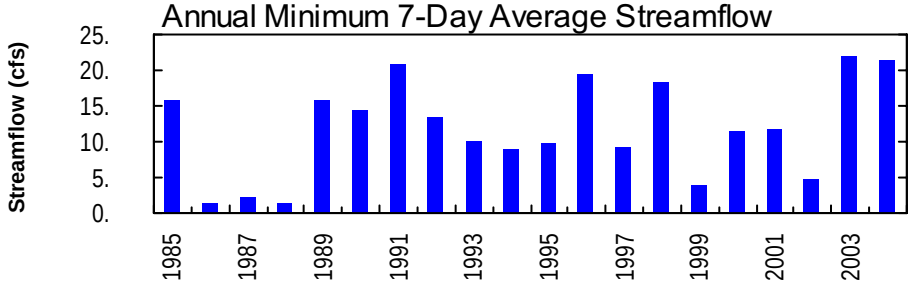
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1985 – 2004

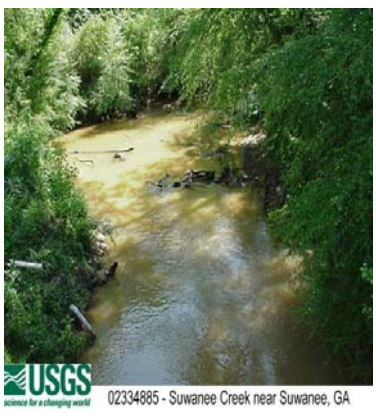


Annual Mean Streamflow

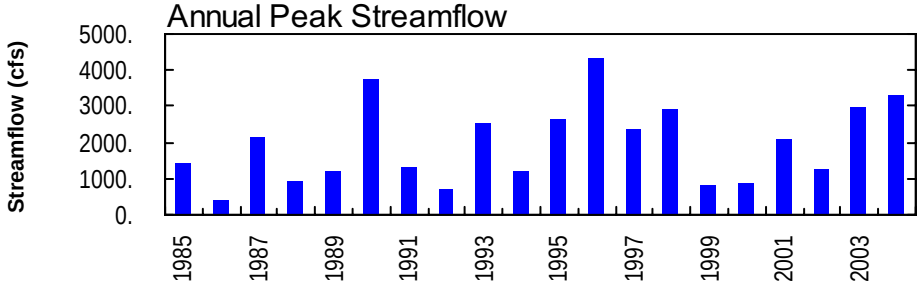


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02334885 SUWANEE CREEK AT SUWANEE, GA

LOCATION.—Lat 34°01'56", long 84°05'22", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of US 23 bridge, 1.7 miles southwest of Suwanee, 3.1 miles upstream of the Chattahoochee River, 0.2 miles upstream of Bennett Creek, and 0.65 miles downstream of Mill Creek.

DRAINAGE AREA.—47.0 square miles.

COOPERATION.—Atlanta Regional Commission, Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 909.71 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for periods of estimate discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 550 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	1545	1,530	8.97
01/26	0015	651	6.21
02/07	0115	573	5.70
06/28	0815	794	6.97
07/02	1000	557	5.58
08/12	2215	889	7.42
09/07	2145	2,130	9.84
09/17	0745	3,270*	11.10*
09/28	0830	1,630	9.13

02334885 SUWANEE CREEK AT SUWANEE, GA—continued.

WATER–STAGE RECORDS

PERIOD OF RECORD.—October 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 909.71 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.10 feet, September 17; minimum gage-height recorded, 1.12 feet, July 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 17, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00* DATUM 909.71 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	30	48	44	51	64	54	56	38	141	40	51
2	33	30	44	43	111	e64	50	201	28	358	32	84
3	32	30	43	43	242	e70	49	65	26	77	29	36
4	31	30	59	43	78	63	47	50	25	61	26	27
5	31	78	61	63	64	60	52	45	23	59	81	24
6	31	151	48	69	267	92	47	42	22	45	47	22
7	31	45	44	47	249	72	46	39	23	39	27	927
8	32	37	42	45	83	60	47	36	43	35	23	1060
9	32	34	41	62	69	58	46	35	30	32	22	142
10	34	32	225	53	65	57	44	56	27	30	22	64
11	32	32	129	47	60	55	55	38	24	28	21	49
12	33	32	63	44	290	54	54	e39	34	28	496	42
13	31	30	59	45	115	53	209	e50	56	33	215	37
14	30	29	187	43	105	52	76	e46	32	46	52	35
15	29	29	75	43	214	53	59	41	36	63	39	32
16	27	29	60	41	168	62	55	39	36	29	34	346
17	27	66	75	40	93	56	50	60	27	27	31	1900
18	28	69	57	62	80	53	47	e78	25	58	30	202
19	28	1070	53	47	75	52	46	e62	24	29	27	74
20	28	253	48	43	72	50	45	e46	20	24	28	56
21	27	71	46	42	71	54	45	e37	22	22	41	49
22	26	57	45	41	67	49	43	34	41	20	28	44
23	25	51	47	40	63	48	41	34	38	19	27	40
24	25	60	136	39	63	49	40	32	42	18	27	37
25	25	52	60	315	64	48	39	31	95	17	26	35
26	74	45	51	400	87	49	57	29	75	39	25	33
27	89	61	48	97	100	48	51	26	202	36	24	179
28	39	150	46	73	81	49	40	25	481	119	22	1050
29	35	65	45	63	67	51	38	25	88	40	25	146
30	34	52	58	58	---	91	38	26	117	294	25	71
31	30	---	47	54	---	62	---	53	---	61	21	---
TOTAL	1043	2800	2090	2189	3214	1798	1610	1476	1800	1927	1613	6894
MEAN	33.6	93.3	67.4	70.6	111	58.0	53.7	47.6	60.0	62.2	52.0	230
MAX	89	1070	225	400	290	92	209	201	481	358	496	1900
MIN	25	29	41	39	51	48	38	25	20	17	21	22
CFSM	0.72	1.99	1.43	1.50	2.36	1.23	1.14	1.01	1.28	1.32	1.11	4.89
IN.	0.83	2.22	1.65	1.73	2.54	1.42	1.27	1.17	1.42	1.53	1.28	5.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	51.5	65.0	64.4	87.7	112	114	74.7	63.4	55.3	52.9	41.7	47.1
MAX	204	196	175	178	239	233	206	194	236	213	96.8	230
(WY)	1996	1993	1993	1996	1998	1990	1998	2003	2003	2003	1994	2004
MIN	5.35	14.6	23.8	37.1	38.3	34.7	35.2	20.4	6.20	4.20	4.23	6.19
(WY)	1988	1988	1988	1986	1986	1988	1986	1988	1988	1986	1986	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	43439		28454			
ANNUAL MEAN	119		77.7		68.9	
HIGHEST ANNUAL MEAN					132	2003
LOWEST ANNUAL MEAN					30.0	1988
HIGHEST DAILY MEAN	1850	Jul 2	1900	Sep 17	2790	Oct 5 1995
LOWEST DAILY MEAN	24	Sep 20	17	Jul 25	1.0	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	26	Sep 15	21	Jul 19	1.3	Jul 16 1988
MAXIMUM PEAK FLOW			3270	Sep 17	4350	Oct 5 1995
MAXIMUM PEAK STAGE			11.10	Sep 17	12.04	Oct 5 1995
INSTANTANEOUS LOW FLOW			16	Jul 25		
ANNUAL RUNOFF (CFSM)	2.53		1.65		1.47	
ANNUAL RUNOFF (INCHES)	34.38		22.52		19.92	
10 PERCENT EXCEEDS	211		116		119	
50 PERCENT EXCEEDS	64		46		42	
90 PERCENT EXCEEDS	31		26		16	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00* DATUM 909.71 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.54	1.47	1.71	1.67	1.75	1.82	1.69	1.72	1.49	2.42	1.52	1.62
2	1.52	1.48	1.67	1.65	2.15	---	1.65	2.78	1.35	4.03	1.42	1.98
3	1.50	1.47	1.65	1.66	3.13	---	1.63	1.82	1.32	1.95	1.37	1.47
4	1.50	1.47	1.84	1.65	2.05	1.80	1.61	1.65	1.30	1.78	1.32	1.33
5	1.49	1.83	1.86	1.87	1.90	1.77	1.67	1.59	1.27	1.76	1.78	1.27
6	1.49	2.47	1.71	1.95	3.36	2.08	1.61	1.55	1.25	1.59	1.61	1.23
7	1.49	1.68	1.66	1.70	3.24	1.90	1.60	1.51	1.26	1.52	1.33	6.27
8	1.51	1.57	1.64	1.67	2.10	1.77	1.61	1.48	1.56	1.46	1.27	7.45
9	1.51	1.53	1.63	1.88	1.97	1.75	1.60	1.46	1.39	1.41	1.24	2.44
10	1.53	1.51	2.95	1.77	1.92	1.73	1.58	1.72	1.33	1.38	1.23	1.84
11	1.51	1.50	2.38	1.70	1.86	1.71	1.71	1.51	1.27	1.35	1.23	1.67
12	1.53	1.50	1.89	1.67	3.42	1.70	1.69	---	1.36	1.35	4.89	1.58
13	1.50	1.48	1.84	1.68	2.31	1.68	2.84	---	1.70	1.44	2.94	1.52
14	1.48	1.46	2.72	1.65	2.24	1.68	1.94	---	1.41	1.52	1.67	1.48
15	1.46	1.47	2.03	1.65	2.90	1.69	1.75	1.54	1.47	1.78	1.52	1.45
16	1.43	1.47	1.86	1.63	2.60	1.79	1.71	1.52	1.48	1.37	1.45	3.33
17	1.43	1.90	2.02	1.61	2.11	1.72	1.65	1.75	1.34	1.32	1.41	9.19
18	1.44	1.85	1.83	1.88	1.99	1.69	1.62	---	1.31	1.73	1.38	2.85
19	1.43	7.70	1.78	1.71	1.93	1.67	1.59	---	1.27	1.37	1.34	1.96
20	1.44	3.24	1.72	1.66	1.90	1.65	1.58	---	1.20	1.29	1.36	1.75
21	1.42	1.98	1.69	1.64	1.89	1.70	1.59	---	1.24	1.24	1.53	1.66
22	1.40	1.82	1.68	1.62	1.85	1.64	1.56	1.45	1.53	1.21	1.36	1.60
23	1.39	1.74	1.70	1.62	1.81	1.63	1.53	1.45	1.50	1.19	1.33	1.56
24	1.39	1.85	2.42	1.61	1.81	1.64	1.52	1.41	1.54	1.15	1.34	1.52
25	1.39	1.77	1.86	3.69	1.81	1.62	1.51	1.40	2.01	1.14	1.32	1.49
26	1.85	1.68	1.75	4.31	2.04	1.63	1.72	1.37	1.90	1.50	1.30	1.46
27	2.07	1.83	1.71	2.22	2.17	1.63	1.66	1.32	2.78	1.47	1.27	2.59
28	1.61	2.52	1.69	2.01	1.99	1.63	1.52	1.30	4.87	2.16	1.25	7.53
29	1.55	1.92	1.68	1.89	1.85	1.66	1.50	1.30	2.04	1.53	1.30	2.47
30	1.53	1.77	1.84	1.84	---	2.07	1.50	1.32	2.17	3.46	1.29	1.92
31	1.48	---	1.70	1.79	---	1.79	---	1.66	---	1.77	1.22	---
MEAN	1.51	1.96	1.87	1.89	2.21	---	1.66	---	1.63	1.67	1.54	2.58
MAX	2.07	7.70	2.95	4.31	3.42	---	2.84	---	4.87	4.03	4.89	9.19
MIN	1.39	1.46	1.63	1.61	1.75	---	1.50	---	1.20	1.14	1.22	1.23

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00* DATUM 909.71 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.92	0.00	0.64
2	0.00	0.00	0.00	0.00	0.89	---	0.00	0.47	0.00	0.07	0.00	0.02
3	0.00	0.00	0.02	0.00	0.04	---	0.00	0.00	0.00	0.02	0.00	0.00
4	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
5	0.00	1.33	0.00	0.44	0.04	0.00	0.00	0.00	0.00	0.05	1.83	0.00
6	0.00	0.04	0.00	0.00	0.89	0.33	0.00	0.00	0.00	0.01	0.00	0.08
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	4.05
8	0.08	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.07
9	0.00	0.00	0.00	0.23	0.00	0.05	0.00	0.00	---	0.00	0.00	0.00
10	0.01	0.00	0.88	0.02	0.01	0.00	0.00	0.00	---	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.13	0.00	0.23	0.07	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.79	0.00	0.61	---	0.06	0.26	3.17	0.00
13	0.00	0.00	0.45	0.00	0.00	0.00	0.46	---	0.35	0.00	0.00	0.00
14	0.03	0.00	0.23	0.00	0.34	0.00	0.00	---	0.27	1.36	0.00	0.00
15	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.52	0.00	0.00	0.00
16	0.00	0.00	0.10	0.00	0.00	0.16	0.00	0.04	0.03	0.00	0.00	4.08
17	0.02	0.45	0.13	0.18	0.00	0.00	0.00	0.03	0.03	0.22	0.00	0.07
18	0.00	1.38	0.01	0.15	0.00	0.00	0.00	---	0.21	0.00	0.00	0.00
19	0.00	1.31	0.00	0.00	0.00	0.00	0.00	---	0.02	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.30	0.00
21	0.00	0.00	0.00	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.00
23	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
24	0.00	0.25	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	1.94	0.12	0.00	0.00	0.00	0.03	0.30	0.00	0.00
26	1.16	0.00	0.00	0.03	0.08	0.00	0.51	0.00	0.00	0.20	0.00	0.00
27	0.02	0.67	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.08	0.00	2.90
28	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.01	---	0.01	0.00	0.02
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.02	---	0.07	0.86	0.00
30	0.00	0.00	0.15	0.00	---	0.67	0.00	0.00	1.01	0.03	0.00	0.00
31	0.00	---	0.00	0.00	---	0.05	---	0.42	---	0.00	0.00	---
TOTAL	1.32	5.54	3.05	3.03	4.38	---	1.81	---	---	3.69	6.17	11.93

APALACHICOLA RIVER BASIN
2004 Water Year

02334885 SUWANEE CREEK AT SUWANEE, GA

LOCATION.—Lat 34°01'56", long 84°05'22", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20 feet upstream of US 23 bridge, 1.7 miles southwest of Suwanee, 3.1 miles upstream of the Chattahoochee River, 0.2 miles upstream of Bennett Creek, and 0.65 miles downstream of Mill Creek.

DRAINAGE AREA.—47.0 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—February 8, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: February 8, 2001 to current year.
WATER TEMPERATURE: February 8, 2001 to current year.
TURBIDITY: February 15, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records fair, except turbidity records, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 240 microsiemens, September 13, 2002; minimum recorded, 30 microsiemens, July 2, 2003.
WATER TEMPERATURE: Maximum recorded, 26.3°C, July 30, 2002; minimum recorded, 1.5°C, January 5, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, July 10, 2003, August 10, 2003; minimum recorded, 4.2 NTU, May 6, 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 149 microsiemens, July 25; minimum recorded, 31 microsiemens, September 17.
WATER TEMPERATURE: Maximum recorded, 25.7°C, July 14; minimum recorded, 3.3°C, January 29.
TURBIDITY: Maximum recorded, 1,860 NTU, July 30; minimum recorded, <5.0 NTU, on several days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	107	94	102	120	107	116	97	89	94	100	91	97
2	111	96	105	119	106	114	103	93	99	99	92	96
3	109	98	105	118	105	112	108	94	102	102	92	98
4	110	99	106	121	107	114	106	96	101	100	93	97
5	108	98	105	120	63	108	135	96	102	101	82	93
6	108	99	104	107	70	78	115	89	98	99	79	84
7	112	99	107	99	74	90	104	94	99	98	83	92
8	112	102	108	110	97	104	104	96	101	103	92	99
9	112	103	108	113	101	107	111	97	105	101	88	96
10	111	101	107	113	102	109	108	57	83	94	87	91
11	110	100	106	119	103	111	76	59	70	99	89	94
12	110	103	107	120	103	112	90	76	87	101	91	97
13	107	99	104	121	104	113	97	86	93	101	92	98
14	118	103	110	119	107	113	88	63	73	106	96	101
15	121	105	113	118	107	113	82	68	78	107	96	103
16	124	107	116	118	105	112	92	81	89	107	96	103
17	123	110	118	115	86	104	97	84	90	107	96	103
18	122	109	117	96	67	87	103	84	94	104	86	96
19	120	106	114	71	50	57	99	90	96	93	85	89
20	118	103	112	75	54	65	101	91	97	101	90	95
21	124	107	114	85	75	82	102	93	98	104	93	99
22	126	109	118	93	83	90	104	93	99	106	94	101
23	128	110	121	97	89	93	104	93	99	106	96	103
24	129	114	124	97	91	95	95	66	77	106	100	103
25	130	116	125	98	91	95	86	71	82	105	49	75
26	132	88	116	106	94	100	92	85	89	67	50	57
27	96	79	84	110	79	100	96	88	93	80	67	75
28	106	81	95	94	68	75	97	91	94	86	78	84
29	118	99	109	85	74	81	97	90	94	93	82	90
30	122	102	113	93	84	89	99	87	94	97	86	93
31	124	99	112	---	---	---	100	86	92	97	87	93
MONTH	132	79	110	121	50	98	135	57	92	107	49	93

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	97	89	93	95	88	92	104	89	99	123	97	113
2	96	63	87	98	87	95	105	94	101	97	57	71
3	73	55	64	---	---	---	106	96	102	87	68	79
4	90	73	81	101	91	97	106	96	102	101	84	96
5	94	81	90	103	92	99	103	94	100	106	90	99
6	96	52	75	105	88	94	109	95	103	112	95	103
7	75	52	65	93	85	90	111	98	106	116	101	108
8	82	75	80	99	89	94	112	98	107	128	105	119
9	86	80	84	102	90	97	109	99	106	126	111	119
10	93	81	87	105	93	99	109	99	106	114	85	96
11	95	84	91	107	94	101	107	98	102	110	86	98
12	90	52	67	105	94	101	102	90	98	---	---	---
13	75	58	69	104	94	101	90	62	72	---	---	---
14	85	75	80	104	95	100	86	69	80	---	---	---
15	81	58	73	102	93	98	99	82	93	112	97	106
16	73	58	65	106	91	99	102	89	96	113	103	109
17	83	73	79	103	92	99	102	92	99	108	82	91
18	87	79	84	108	93	102	101	93	99	---	---	---
19	94	82	89	106	95	101	105	93	100	---	---	---
20	94	86	91	107	95	103	117	97	107	---	---	---
21	98	88	94	105	94	102	133	102	119	---	---	---
22	96	88	93	104	93	99	133	113	123	120	106	115
23	96	88	93	113	95	102	131	115	124	121	108	117
24	99	89	94	113	95	104	122	110	117	118	105	113
25	101	89	96	110	95	103	120	108	115	128	109	118
26	101	90	94	107	95	103	117	101	108	131	109	122
27	116	92	102	109	97	104	114	100	104	130	116	124
28	110	92	99	106	96	102	118	100	109	131	119	127
29	98	91	95	103	91	98	120	102	113	133	120	128
30	---	---	---	103	84	95	121	106	115	131	119	126
31	---	---	---	98	82	90	---	---	---	127	95	114
MONTH	116	52	85	---	---	---	133	62	104	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	100	86	90	85	52	78	94	82	87	128	68	101
2	117	96	105	67	49	56	101	92	96	123	64	87
3	121	110	116	83	67	78	110	99	103	92	65	79
4	126	114	120	92	82	89	118	105	111	111	92	100
5	130	115	124	92	80	87	122	52	104	122	105	111
6	129	116	124	101	86	95	108	71	93	117	105	113
7	128	115	124	109	92	103	115	102	106	113	33	54
8	135	102	120	117	97	108	124	111	118	60	33	45
9	127	100	112	117	105	112	122	110	119	73	60	67
10	131	114	123	119	106	114	126	114	121	87	73	82
11	136	119	127	124	111	118	132	117	127	96	84	91
12	138	55	128	124	110	118	131	40	66	100	91	96
13	112	55	98	120	109	116	66	42	57	102	94	98
14	116	100	108	114	65	105	88	66	78	115	97	105
15	117	95	111	124	78	95	96	84	90	120	102	111
16	129	105	118	112	84	95	102	90	96	121	36	94
17	125	108	116	117	104	112	112	95	103	52	31	38
18	127	112	121	122	81	97	124	101	112	70	52	63
19	135	124	131	100	81	87	124	111	118	81	70	77
20	132	124	127	117	100	107	127	109	119	91	80	86
21	136	122	131	125	112	120	128	101	115	104	88	96
22	131	73	109	135	118	127	116	98	105	107	94	101
23	107	96	101	142	124	135	118	105	112	111	97	105
24	128	91	110	144	127	137	118	108	115	112	101	108
25	107	70	92	149	130	140	126	111	119	111	102	108
26	85	67	74	146	95	123	128	112	122	110	102	107
27	91	47	73	121	98	109	129	111	121	110	45	90
28	65	44	51	111	45	70	128	114	123	56	38	44
29	78	65	73	91	58	76	132	92	121	72	56	64
30	90	59	77	96	38	52	122	106	115	86	72	82
31	---	---	---	82	55	70	123	113	119	---	---	---
MONTH	138	44	108	149	38	101	132	40	107	128	31	87

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.4	15.2	15.8	15.3	13.8	14.6	8.0	6.9	7.4	6.8	6.0	6.5
2	15.9	14.9	15.4	15.6	14.1	14.9	8.3	7.5	7.9	8.1	6.8	7.5
3	15.1	14.2	14.7	15.7	14.2	15.0	7.9	7.4	7.7	10.2	8.1	9.2
4	15.6	14.0	14.8	16.5	15.1	15.8	7.4	6.5	6.9	11.9	10.2	11.1
5	16.3	14.9	15.6	20.4	16.5	17.6	6.9	6.5	6.7	13.4	11.9	12.6
6	17.2	16.1	16.6	19.8	18.9	19.4	7.3	6.7	7.0	12.3	7.8	10.0
7	18.1	17.1	17.6	19.6	18.6	19.2	6.8	6.1	6.5	7.8	4.6	5.9
8	18.5	17.8	18.1	18.6	16.7	17.7	6.7	5.7	6.2	4.6	3.8	4.2
9	18.6	18.1	18.4	16.7	14.7	15.8	7.5	6.1	6.7	5.5	4.3	4.9
10	18.8	18.4	18.5	14.7	12.9	13.7	10.1	7.5	9.2	5.6	5.1	5.5
11	18.4	18.0	18.2	13.3	12.0	12.7	9.6	7.3	8.2	5.1	4.3	4.7
12	18.7	17.8	18.2	14.6	12.7	13.6	7.3	6.4	6.8	5.1	4.1	4.6
13	18.8	17.8	18.3	14.6	12.8	14.0	6.7	6.5	6.6	6.5	5.0	5.8
14	19.2	18.2	18.7	12.8	10.6	11.3	6.6	6.1	6.2	7.5	6.2	6.7
15	18.2	16.2	17.2	11.2	10.0	10.6	6.6	5.9	6.3	8.5	7.5	8.0
16	16.2	14.6	15.3	12.1	10.4	11.2	7.7	6.2	6.8	7.8	6.9	7.3
17	14.9	13.8	14.2	15.1	12.0	13.6	8.1	7.2	7.8	6.9	6.4	6.7
18	14.5	13.3	14.0	17.1	15.1	15.6	7.2	6.3	6.6	8.0	6.5	7.4
19	14.7	13.4	14.1	17.5	15.8	17.0	6.7	6.1	6.4	8.0	6.4	7.4
20	15.2	13.7	14.5	15.8	13.9	14.5	6.1	4.7	5.4	6.4	4.9	5.5
21	16.0	14.3	15.1	13.9	12.7	13.2	4.7	3.9	4.3	5.1	4.3	4.7
22	16.4	15.4	15.9	12.9	12.2	12.6	4.9	3.8	4.4	5.3	4.1	4.7
23	16.0	14.7	15.3	12.8	12.1	12.5	7.8	4.8	5.5	5.3	4.5	4.9
24	15.2	14.1	14.7	13.4	12.0	13.0	8.7	7.6	8.2	5.8	4.1	4.9
25	15.3	14.3	14.8	12.0	9.5	10.5	7.8	5.6	6.5	7.7	5.5	6.6
26	16.5	15.2	15.7	9.7	8.9	9.4	5.6	4.9	5.3	5.5	4.6	4.8
27	16.2	15.5	16.1	11.3	9.6	10.4	5.7	4.9	5.3	5.5	4.9	5.1
28	15.5	13.7	14.3	12.0	11.0	11.7	5.9	5.2	5.5	5.1	3.9	4.3
29	14.1	13.0	13.6	11.0	7.9	9.3	7.5	5.7	6.4	4.3	3.3	3.9
30	14.2	12.8	13.5	7.9	7.0	7.4	8.4	7.5	8.1	5.6	4.1	4.9
31	14.9	13.5	14.2	---	---	---	7.8	6.6	7.1	5.7	5.0	5.4
MONTH	19.2	12.8	15.9	20.4	7.0	13.6	10.1	3.8	6.6	13.4	3.3	6.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.7	5.0	5.4	11.0	8.3	9.4	13.5	12.0	12.6	18.2	17.2	17.7
2	5.7	3.9	5.2	13.7	11.0	12.5	13.0	11.6	12.4	18.9	17.9	18.3
3	5.9	3.8	4.7	---	---	---	14.5	12.2	13.3	17.9	15.3	16.4
4	5.9	5.2	5.7	15.4	14.6	15.0	14.9	13.3	13.9	15.3	14.1	14.7
5	5.8	5.6	5.7	15.5	14.6	15.2	14.7	12.4	13.4	16.2	14.2	15.2
6	6.6	5.5	5.9	16.6	15.2	15.9	14.8	12.5	13.6	18.2	16.0	17.1
7	6.6	5.6	6.2	16.0	14.2	15.1	15.3	13.4	14.3	19.5	17.4	18.4
8	5.6	4.6	5.1	14.2	11.8	12.9	16.1	14.6	15.3	20.3	18.2	19.2
9	5.7	5.2	5.5	11.8	10.6	11.0	16.9	15.0	15.8	20.9	19.2	20.0
10	6.4	5.4	5.8	11.1	9.8	10.5	16.1	14.8	15.4	20.9	19.7	20.3
11	7.5	6.4	7.0	11.0	9.5	10.3	15.8	14.9	15.3	21.1	20.0	20.5
12	7.6	6.7	7.0	11.8	10.4	11.0	15.7	14.4	15.3	---	---	---
13	8.3	6.6	7.3	11.8	10.5	11.1	14.5	12.5	13.6	---	---	---
14	8.7	8.2	8.6	12.8	11.2	11.9	12.5	11.2	11.9	---	---	---
15	8.7	7.8	8.5	14.3	12.8	13.7	13.8	11.7	12.7	21.0	19.7	20.3
16	8.2	7.0	7.4	15.5	14.3	14.8	15.3	13.5	14.4	21.1	20.0	20.5
17	7.1	6.6	6.8	14.8	13.5	14.0	16.5	14.7	15.6	20.3	19.7	20.1
18	7.6	6.3	7.0	13.5	12.4	12.8	17.7	15.6	16.6	---	---	---
19	8.1	6.7	7.5	14.4	12.2	13.2	18.5	16.6	17.5	---	---	---
20	8.6	7.5	8.0	15.1	13.7	14.3	18.7	17.3	18.0	---	---	---
21	10.5	8.6	9.6	15.5	13.8	14.9	18.3	17.5	17.9	---	---	---
22	10.3	8.9	9.5	13.8	11.0	12.3	18.8	17.1	17.9	22.0	21.3	21.8
23	9.2	8.4	8.7	11.2	9.7	10.5	19.2	17.7	18.4	22.1	20.8	21.4
24	9.5	8.6	8.9	12.1	10.0	11.0	19.6	18.0	18.8	22.2	20.7	21.5
25	9.5	8.8	9.3	13.9	11.6	12.7	20.1	18.5	19.3	23.0	21.2	22.1
26	8.8	5.6	7.0	15.8	13.4	14.6	19.4	18.0	19.0	23.5	22.1	22.8
27	6.1	5.2	5.6	16.8	14.9	15.7	18.0	16.2	16.9	23.6	22.3	22.9
28	7.7	5.7	6.7	17.5	15.4	16.4	16.5	14.9	15.7	23.3	22.3	22.8
29	8.5	7.0	7.7	17.9	16.8	17.3	16.8	15.2	16.0	22.8	22.1	22.4
30	---	---	---	17.1	16.1	16.7	17.4	16.3	16.8	23.0	21.5	22.2
31	---	---	---	16.5	13.5	15.1	---	---	---	22.8	21.7	22.4
MONTH	10.5	3.8	7.0	---	---	---	20.1	11.2	15.6	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.7	21.0	21.4	23.5	22.3	22.6	24.8	23.9	24.4	23.9	22.6	23.5
2	21.6	20.3	20.9	23.5	22.5	22.9	25.1	24.0	24.6	23.2	22.2	22.6
3	21.6	20.2	21.0	23.5	22.6	23.1	25.2	23.8	24.5	22.3	21.9	22.1
4	22.1	20.7	21.4	23.5	23.0	23.2	25.3	23.9	24.6	22.3	21.5	21.9
5	21.6	20.5	21.1	23.8	22.8	23.3	24.7	23.7	24.2	22.5	21.6	22.0
6	21.7	20.2	20.9	24.3	23.1	23.7	24.4	23.4	24.1	22.3	21.9	22.1
7	21.5	20.7	21.1	24.2	23.0	23.6	23.4	22.0	22.5	22.5	21.8	22.1
8	21.5	21.0	21.2	24.6	23.2	23.9	22.0	20.7	21.4	22.3	21.9	22.1
9	22.0	21.1	21.5	24.7	23.3	24.1	21.5	20.5	21.1	22.0	21.4	21.8
10	22.9	21.2	22.0	25.1	23.6	24.3	21.4	20.8	21.1	22.2	21.7	22.0
11	23.9	22.1	23.0	25.2	23.9	24.6	22.0	20.6	21.4	22.0	21.5	21.8
12	24.7	22.9	23.7	25.0	24.1	24.6	22.2	21.3	21.8	21.9	21.2	21.5
13	24.2	23.4	23.8	25.6	24.2	24.9	21.6	20.7	21.1	21.5	20.9	21.2
14	23.8	23.1	23.5	25.7	24.3	24.9	20.7	20.0	20.4	21.1	20.4	20.7
15	24.3	23.2	23.6	25.1	23.8	24.3	21.5	20.4	20.9	20.7	20.3	20.5
16	24.3	23.1	23.7	23.8	22.7	23.4	22.2	21.2	21.7	22.6	20.5	21.2
17	25.0	23.4	24.2	23.8	22.8	23.2	22.4	21.4	21.9	22.5	21.8	22.2
18	25.1	23.9	24.5	24.1	23.2	23.7	22.9	21.6	22.2	21.8	20.6	21.1
19	25.4	24.0	24.7	24.1	22.9	23.6	22.9	21.6	22.3	20.6	19.1	19.8
20	25.0	23.8	24.5	23.7	22.4	23.1	22.9	22.0	22.5	19.1	18.1	18.4
21	24.6	23.5	23.9	23.8	22.4	23.2	23.1	22.5	22.8	18.3	17.6	18.0
22	25.2	22.9	23.7	24.1	22.8	23.5	23.2	22.3	22.8	18.5	17.3	17.9
23	24.0	23.3	23.6	24.9	23.3	24.1	23.4	22.5	23.0	19.1	17.6	18.4
24	23.5	22.9	23.2	25.3	23.8	24.6	23.4	22.5	23.0	19.9	18.5	19.2
25	24.4	22.7	23.4	25.0	24.3	24.6	23.2	22.8	23.0	20.3	19.2	19.7
26	23.8	23.2	23.5	24.5	23.6	24.1	23.4	22.5	22.9	20.1	19.1	19.7
27	24.4	23.0	23.4	24.2	23.6	23.8	23.5	22.5	23.0	20.3	19.4	19.7
28	23.4	22.6	22.9	23.8	22.8	23.5	24.1	22.9	23.5	21.0	19.8	20.4
29	22.8	22.1	22.4	24.0	23.6	23.8	24.5	23.4	23.8	20.8	19.7	20.2
30	23.2	22.2	22.6	25.1	23.8	24.4	24.0	23.1	23.6	19.7	18.9	19.3
31	---	---	---	24.9	24.2	24.5	24.1	23.0	23.6	---	---	---
MONTH	25.4	20.2	22.8	25.7	22.3	23.8	25.3	20.0	22.7	23.9	17.3	20.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	30	13	18	15	6.3	8.7	21	13	15	20	9.2	11
2	31	9.9	16	11	6.1	8.2	17	9.1	13	18	8.4	11
3	21	13	16	12	6.2	8.0	18	8.5	12	67	10	14
4	23	11	15	11	5.5	7.7	37	11	15	16	10	13
5	18	9.6	14	420	5.7	8.9	42	15	20	97	11	15
6	21	8.8	13	368	68	182	18	9.0	11	291	30	46
7	25	8.0	13	92	18	36	18	8.3	11	32	15	21
8	20	9.7	14	26	11	14	14	8.3	10	20	9.0	13
9	24	9.0	13	20	8.8	11	14	5.9	10	39	12	21
10	23	9.0	13	17	7.9	10	505	9.9	132	28	12	18
11	19	9.5	13	15	6.6	9.3	294	47	102	16	10	13
12	19	9.0	13	12	6.0	8.9	52	23	31	15	9.1	11
13	21	8.8	12	17	6.7	9.3	37	16	21	15	8.5	11
14	20	8.9	12	23	8.6	10	259	30	114	17	7.7	11
15	18	8.5	10	16	9.8	12	74	25	36	13	7.3	9.9
16	21	8.3	10	26	8.3	14	32	15	18	18	8.4	10
17	17	7.6	9.8	107	12	53	42	18	27	17	8.7	11
18	19	7.5	9.2	212	16	24	26	14	17	47	11	29
19	22	7.0	9.4	460	190	300	29	13	17	30	12	17
20	19	7.4	9.4	235	87	142	22	15	17	23	9.6	14
21	19	8.1	9.6	87	37	57	---	---	---	22	7.4	10
22	16	7.0	8.8	40	22	29	---	---	---	15	7.1	10
23	16	6.3	7.4	30	18	21	---	---	---	---	---	---
24	21	5.8	7.5	37	22	26	256	55	102	---	---	---
25	17	5.7	7.2	---	---	---	58	20	31	576	11	208
26	179	7.7	31	32	14	18	23	13	15	218	83	150
27	182	30	68	82	9.6	17	16	10	12	83	39	52
28	32	11	15	190	53	93	15	9.1	11	45	25	30
29	16	6.8	10	55	24	32	14	8.8	11	28	17	20
30	12	6.0	8.6	33	16	21	38	11	19	28	16	20
31	17	7.8	9.8	---	---	---	20	11	13	26	15	19
MAX	182	30	68	---	---	---	---	---	---	---	---	---
MIN	12	5.7	7.2	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	36	13	20	20	12	15	26	8.5	13	40	15	22
2	472	12	16	24	13	17	---	---	---	500	36	210
3	1520	87	224	---	---	---	---	---	---	114	32	49
4	88	38	54	34	15	23	---	---	---	36	17	23
5	41	21	28	27	15	19	---	---	---	26	14	19
6	731	19	162	113	21	55	---	---	---	24	12	18
7	311	77	134	67	20	29	26	5.8	9.7	26	12	17
8	94	35	51	30	14	19	24	6.5	11	26	11	16
9	50	25	32	25	11	14	30	7.6	11	22	11	17
10	48	14	28	23	9.8	12	21	7.9	11	205	17	60
11	38	14	21	21	9.0	13	33	11	16	50	15	24
12	564	26	216	28	9.5	13	264	8.9	14	---	---	---
13	188	46	76	21	9.2	12	396	69	195	---	---	---
14	55	36	42	21	9.3	12	113	29	45	---	---	---
15	261	36	96	26	9.3	12	36	14	20	34	17	24
16	231	49	93	23	12	15	31	12	16	34	15	24
17	51	27	38	24	10	15	23	10	15	689	25	158
18	40	21	30	20	8.3	12	26	9.9	16	---	---	---
19	---	---	---	22	8.6	12	24	9.6	14	---	---	---
20	54	18	22	21	10	13	26	8.5	14	---	---	---
21	26	15	19	25	11	14	26	9.1	14	---	---	---
22	246	16	20	23	9.6	13	32	8.6	14	35	17	25
23	24	13	17	18	7.0	11	28	9.1	14	33	18	25
24	23	11	15	18	6.9	9.3	32	9.7	14	32	15	22
25	21	11	16	24	6.8	9.9	34	9.8	14	34	16	24
26	60	15	22	19	8.4	11	41	15	24	30	14	24
27	80	22	37	22	8.3	12	41	13	17	27	15	20
28	29	19	22	24	8.7	12	26	8.4	13	27	14	19
29	25	13	17	25	8.5	12	25	8.0	12	29	14	20
30	---	---	---	88	12	56	27	9.7	14	29	13	19
31	---	---	---	53	14	21	---	---	---	189	22	60
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	80	22	28	345	41	89	29	16	20	279	<5.0	31
2	32	13	19	493	101	210	17	12	14	236	19	84
3	26	12	20	101	38	54	14	9.3	11	68	19	31
4	27	12	18	55	30	35	16	8.3	9.7	24	9.1	12
5	28	12	18	55	26	35	595	8.0	11	15	6.7	7.7
6	27	13	18	36	17	21	162	14	48	17	5.9	7.1
7	72	12	18	22	14	16	20	9.2	11	218	7.4	164
8	107	30	52	18	11	14	15	7.6	10	181	94	110
9	35	14	20	16	9.6	12	18	7.4	9.3	94	30	51
10	29	9.8	16	15	9.1	12	20	7.2	9.3	31	15	20
11	21	9.4	14	14	8.3	11	17	6.8	8.6	19	8.8	12
12	693	9.0	13	18	8.7	12	395	8.3	239	12	6.6	8.4
13	332	21	39	23	9.0	15	172	45	90	9.0	5.6	6.9
14	22	9.1	13	361	10	13	45	18	26	8.9	<5.0	6.1
15	72	8.9	23	148	21	67	22	12	16	8.7	<5.0	6.2
16	27	8.8	13	28	11	16	18	8.8	12	418	6.2	13
17	19	7.3	11	25	9.6	13	13	6.5	9.6	610	183	371
18	22	9.0	12	111	20	58	12	6.0	8.8	209	59	103
19	24	7.1	10	104	18	40	9.8	6.3	8.1	60	30	43
20	22	6.9	10	19	9.2	14	33	6.6	8.5	31	16	21
21	24	7.5	12	---	---	---	34	10	18	---	---	---
22	550	17	22	---	---	---	15	6.3	8.8	---	---	---
23	54	13	27	9.2	6.1	7.0	9.5	5.2	7.0	16	6.5	11
24	37	15	26	9.0	5.5	6.8	8.0	5.0	6.2	27	8.7	10
25	493	20	32	9.0	5.4	6.7	9.3	<5.0	6.7	15	7.7	9.9
26	307	45	108	62	9.0	16	9.4	5.0	6.4	10	6.2	8.2
27	696	21	42	29	12	19	8.6	5.1	6.2	212	6.8	8.4
28	412	128	196	1730	11	259	9.9	5.3	6.3	236	105	164
29	130	48	68	126	26	45	57	5.8	7.2	170	39	75
30	341	32	49	1860	26	258	15	5.4	7.1	40	17	26
31	---	---	---	116	29	50	14	<5.0	5.8	---	---	---
MAX	696	128	196	---	---	---	595	45	239	---	---	---
MIN	19	6.9	10	---	---	---	8.0	5.0	5.8	---	---	---

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2004 Water Year

02334885 SUWANEE CREEK AT SUWANEE, GA

LOCATION.—Lat 34°01'56", long 84°05'22", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of US 23 bridge, 1.7 miles southwest of Suwanee, 3.1 miles upstream of the Chattahoochee River, 0.2 miles upstream of Bennett Creek, and 0.65 miles downstream of Mill Creek.

DRAINAGE AREA.—47.0 square miles.

COOPERATION.—Atlanta Regional Commission, Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 16, 1976 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)	Magnes-ium, water, fltrd, mg/L (00925)
OCT													
02...	0935	--	9	81213	33	1.52	--	14	--	7	8.40	28	1.80
DEC													
16...	1120	--	9	81213	58	1.84	--	15	1.7	22	7.50	26	1.70
JAN													
05-06	1611	0551	J	81213	--	--	--	81	1.9	6	7.50	26	1.80
FEB													
12-12	0357	1902	J	81213	--	--	--	200	--	11	5.10	18	1.30
MAR													
09...	0845	--	9	81213	57	1.74	--	14	1.2	7	7.80	27	1.90
24...	1410	--	9	81213	49	1.63	--	6.8	<.1	<5	8.90	31	2.10
APR													
13...	0930	--	J	81213	330	3.58	--	--	3.5	--	--	--	--
MAY													
24...	1235	--	9	81213	31	1.40	--	14	1.2	12	8.50	29	1.90
MAY 31-													
JUN 01	1357	0215	J	81213	--	--	--	78	2.8	13	8.80	30	1.90
JUL													
08...	0900	--	9	81213	36	1.47	--	23	.8	<5	8.40	29	1.90
AUG													
05-05	1628	1933	J	80855	--	--	210	250	6.9	20	4.10	21	1.20
AUG													
12-12	0733	1127	J	80855	--	--	290	260	8.6	E14	3.30	14	.80
SEP													
07-08	1706	0006	J	80855	--	--	200	230	3.3	E16	2.30	11	.54

02334885 SUWANEE CREEK AT SUWANEE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Loss on ig-nition, from ROE, wat unf mg/L (00505)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)
OCT 02...	--	--	62	8	4	1.00	1.10	A.072	<.20	<.02	.03	<.5	<1
DEC 16...	--	--	55	6	1	.62	.640	A.121	.40	<.02	.03	<.5	<1
JAN 05-06	--	--	61	66	9	.56	.560	A.121	.70	<.02	.11	<.5	3
FEB 12-12	--	--	38	157	21	.52	.520	A.107	.90	<.02	.21	<.5	6
MAR 09...	--	--	79	7	3	.78	.780	A.084	.20	<.02	<.02	<.5	<1
24...	--	--	78	2	<1	1.20	1.20	A.120	<.20	<.02	<.02	<.5	<1
MAY 24...	--	--	71	9	3	.85	.850	A.090	.50	<.02	.06	<.5	<1
MAY 31-JUN 01	--	--	66	79	18	.84	.840	A.075	.70	<.02	.22	<.5	3
JUL 08...	--	--	65	12	2	.34	.890	A.056	.30	<.02	.05	<.5	<1
AUG 05-05	2.3	53	74	260	38	.660	.590	.240	1.0	E.029	.140	<5	15
AUG 12-12	1.0	--	62	350	50	.360	.350	.130	1.0	E.020	<.050	<5	E3
SEP 07-08	.9	--	98	110	19	.200	.210	E.043	.57	<.050	.077	<5	E6

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT 02...	<2	<2	386	3	--	12
DEC 16...	<2	<2	478	6	--	10
JAN 05-06	2	3	583	21	22	79
FEB 12-12	6	6	440	27	67	237
MAR 09...	<2	<2	477	4	--	9
24...	<2	<2	440	3	--	4
MAY 24...	<2	<2	361	4	--	11
MAY 31-JUN 01	5	5	601	19	70	82
JUL 08...	<2	<2	429	5	--	13
AUG 05-05	20	M	730	70	87	291
AUG 12-12	M	M	560	30	76	360
SEP 07-08	M	M	230	30	92	140

02334885 SUWANEE CREEK AT SUWANEE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
02...	0939	9	20.0	33	1.52	90	8.8	7.2	106	15.0	16	--	--
02...	0940	9	13.0	33	1.52	90	8.8	7.2	106	15.0	16	--	--
02...	0941	9	6.00	33	1.52	90	8.8	7.2	106	15.0	16	--	--
NOV													
19...	1315	J	245	1370	8.69	77	7.2	6.5	46	17.3	340	86	150
19...	1321	J	225	1380	8.71	78	7.3	6.5	46	17.3	340	77	153
19...	1326	J	200	1390	8.73	87	8.0	6.5	47	17.4	360	86	105
19...	1330	J	110	1400	8.74	85	7.9	6.5	47	17.4	350	92	119
19...	1334	J	40.0	1400	8.74	83	7.7	6.5	47	17.4	280	93	110
DEC													
16...	1125	9	24.0	58	1.84	87	10.5	6.6	92	6.3	18	--	--
16...	1126	9	19.0	58	1.84	87	10.5	6.6	92	6.3	18	--	--
16...	1127	9	14.0	58	1.84	87	10.5	6.6	92	6.3	17	--	--
16...	1128	9	9.00	58	1.84	87	10.5	6.6	92	6.3	18	--	--
16...	1129	9	4.00	58	1.84	87	10.5	6.6	92	6.3	17	--	--
JAN													
06...	0949	J	30.0	64	1.91	85	9.4	6.1	82	10.2	55	--	--
06...	0950	J	20.0	64	1.91	85	9.3	6.2	82	10.2	56	--	--
06...	0951	J	10.0	64	1.91	84	9.3	6.2	82	10.1	54	--	--
FEB													
12...	0958	J	40.0	384	4.04	95	11.2	6.6	70	6.9	200	--	--
12...	0959	J	35.0	384	4.04	94	11.1	6.6	70	6.9	200	--	--
12...	1000	J	30.0	384	4.04	94	11.1	6.6	70	6.9	190	--	--
12...	1001	J	25.0	384	4.04	93	11.1	6.5	70	6.9	190	--	--
12...	1002	J	20.0	384	4.04	93	11.1	6.5	70	6.9	190	--	--
12...	1003	J	15.0	384	4.04	93	11.0	6.5	69	6.9	190	--	--
12...	1004	J	10.0	384	4.04	93	11.0	6.5	69	6.9	180	--	--
12...	1005	J	5.00	384	4.04	93	11.1	6.5	67	6.8	180	--	--
MAR													
09...	0855	9	21.0	57	1.74	86	9.2	6.9	100	10.6	15	--	--
09...	0856	9	14.0	57	1.74	86	9.2	6.9	100	10.6	14	--	--
09...	0857	9	7.00	57	1.74	86	9.2	7.0	100	10.6	15	--	--
24...	1417	9	21.0	49	1.63	96	10.3	7.2	109	11.6	7.7	--	--
24...	1418	9	14.0	49	1.63	95	10.2	7.2	109	11.6	7.6	--	--
24...	1419	9	7.00	49	1.63	94	10.1	7.2	109	11.6	7.6	--	--
MAY													
24...	1244	9	15.5	31	1.40	89	7.9	6.8	99	21.5	13	--	--
24...	1245	9	10.5	31	1.40	86	7.6	6.7	99	21.5	17	--	--
24...	1246	9	5.50	31	1.40	85	7.5	6.7	99	21.5	18	--	--
JUN													
01...	1008	J	15.0	36	1.47	90	7.8	7.2	82	21.1	46	--	--
01...	1010	J	30.0	36	1.47	91	7.9	7.2	87	21.2	45	--	--
01...	1011	J	45.0	36	1.47	91	7.9	7.2	86	21.2	49	--	--
JUL													
08...	0905	9	22.0	36	1.47	84	7.0	7.0	95	23.2	22	--	--
08...	0906	9	15.0	36	1.47	82	6.8	7.0	95	23.2	21	--	--
08...	0907	9	9.00	36	1.47	81	6.7	7.0	95	23.2	21	--	--
AUG													
05...	1724	J	40.0	283	3.24	92	7.4	7.0	54	24.5	270	--	--
05...	1725	J	32.0	283	3.24	92	7.4	6.9	54	24.6	270	--	--
05...	1726	J	24.0	283	3.24	89	7.2	6.8	54	24.6	280	--	--
05...	1727	J	16.0	283	3.24	89	7.2	6.8	54	24.6	280	--	--
05...	1728	J	8.00	283	3.24	88	7.1	6.8	54	24.6	280	--	--
12...	1451	J	60.0	613	5.98	79	6.7	6.2	45	22.0	380	--	--
12...	1452	J	40.0	613	5.98	79	6.7	6.3	45	22.0	380	--	--
12...	1453	J	20.0	613	5.98	82	7.0	6.3	45	22.0	370	--	--
SEP													
07...	0838	J	6.00	651	6.21	70	6.1	6.4	40	21.8	200	--	--
07...	0839	J	18.0	651	6.21	68	6.0	6.4	40	21.8	210	--	--
07...	0840	J	30.0	651	6.21	70	6.1	6.4	40	21.8	200	--	--
07...	0841	J	42.0	651	6.21	70	6.2	6.4	40	21.8	210	--	--
07...	0842	J	54.0	651	6.21	70	6.1	6.4	40	21.8	210	--	--

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

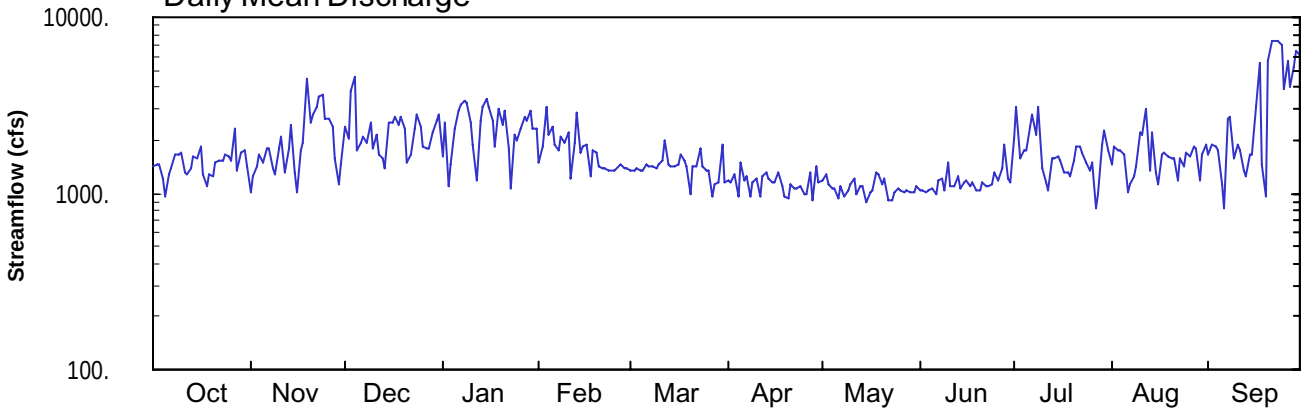
APALACHICOLA RIVER BASIN

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA

Latitude: 33°59'50" Longitude: 084°12'07" Hydrologic Unit Code: 03130001

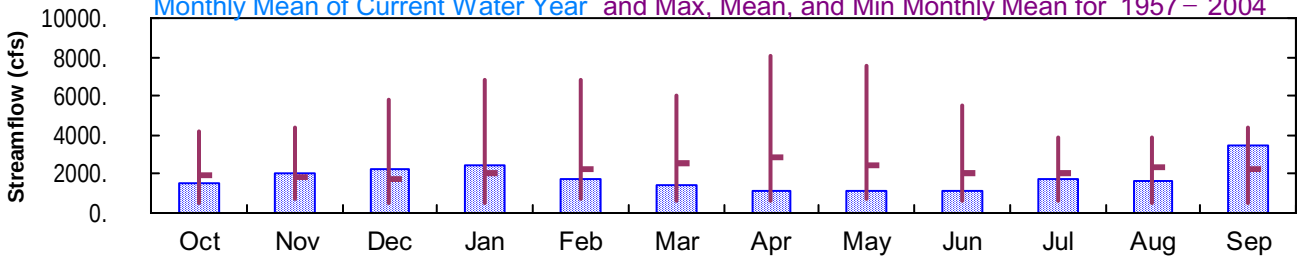
Gwinnett County Datum: 878.14 feet Drainage Area: 1170. mi²

Daily Mean Discharge

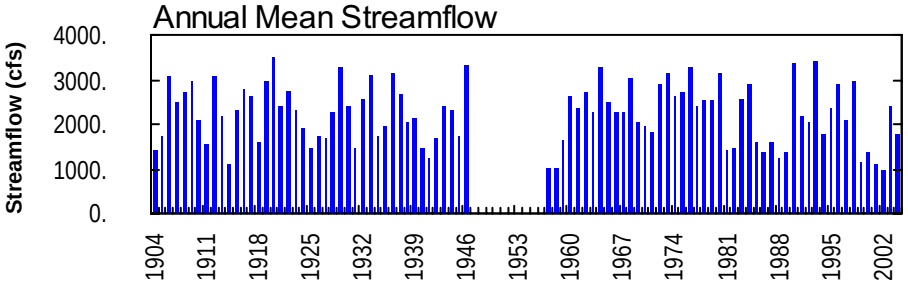


Monthly Statistics

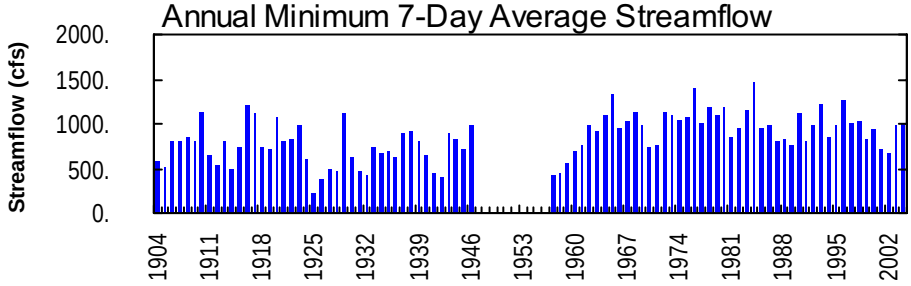
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1957 – 2004

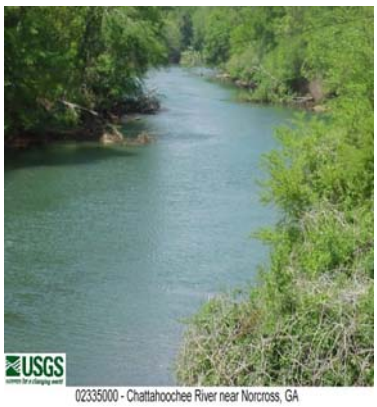


Annual Mean Streamflow

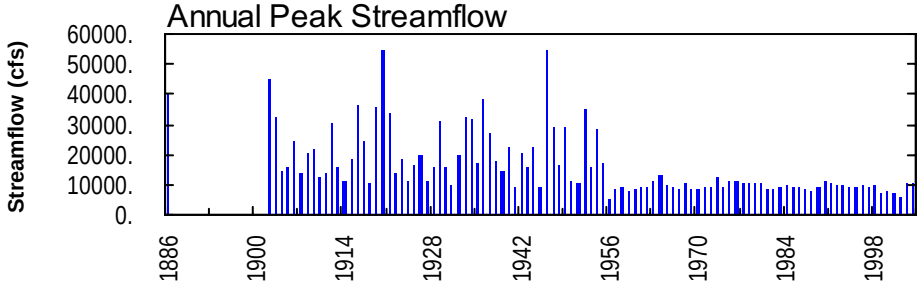


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA

LOCATION.—Lat 33°59'50", long 84°12'07", referenced to North American Datum (NAD) of 1983, Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on GA 141, 1.5 miles upstream from Johns Creek, 4.5 miles north of Norcross, 6.5 miles downstream from Suwanee Creek, 18.0 miles downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.—1,170 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division, Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1902 to September 1946, October 1956 to current year. Monthly discharge only for October to December 1902, published in WSP 1304. Gage-height records collected at same site 1910-33, and since 1945 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 878.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 13, 1955, a non-recording gage was located at a site 500 feet downstream at same datum. From July 14, 1955 to March 11, 1957, a non-recording gage was located at present site and datum.

REMARKS.—Records good. Flow regulated by Lake Sidney Lanier since January 1956. Diversion and return flow above station regulated by Gwinnett County. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1896, is 27.70 feet, January 8, 1946, discharge, 55,000 cfs, from rating extended above 36,000 cfs on the basis of computation of peak flow over Morgan Falls Dam.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1902 to September 1946, October 1956 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 878.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 13, 1955, a non-recording gage was located at a site 500 feet downstream at same datum. From July 14, 1955 to March 11, 1957, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.76 feet, September 17; minimum gage-height recorded, 1.78 feet, June 6.

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 29, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00* CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1420	1020	2370	1610	1510	1360	1170	1200	1030	2030	1470	1660
2	1470	1260	2060	2490	1870	1360	1150	1270	1030	3120	1830	1910
3	1470	1410	3770	1100	3060	1380	1270	1130	1010	1570	1730	1840
4	1230	1650	4640	1450	2130	1360	964	1060	1040	1740	1760	1730
5	958	1490	1730	2350	2400	1360	1490	1060	1070	1750	1640	1130
6	1290	1810	1930	2960	1890	1470	1190	926	985	2400	1000	827
7	1380	1800	2090	3150	1770	1430	1250	1100	1190	2810	1120	2660
8	1680	1390	1960	3360	2090	1410	950	956	1210	2160	1250	2710
9	1640	1290	2520	3280	1920	1390	1140	1050	1050	3120	1430	1560
10	1730	1770	1790	2520	2230	1450	1210	1130	1480	1400	2220	1870
11	1320	2080	2160	1910	1200	1540	958	1220	1090	1160	2170	1740
12	1270	1330	1670	1190	1940	2000	1250	998	1100	1030	3020	1350
13	1380	1790	1600	2600	2870	1440	1330	1100	1250	1580	1360	1230
14	1610	2450	1380	3140	1710	1420	1230	1110	1070	1570	2230	1660
15	1560	1320	2530	3450	1840	1420	1160	882	1160	1620	1330	1650
16	1860	1020	2510	3070	1910	1460	1140	1000	1200	1530	1120	3070
17	1290	1760	2720	2590	1240	1640	1300	1040	1090	1320	1660	5510
18	1100	1940	2430	1860	1750	1520	1100	1320	1150	1310	1710	1470
19	1260	4490	2720	3010	1720	1410	949	1270	1030	1250	1630	959
20	1260	2510	2300	2470	1410	988	932	1120	1050	1550	1570	5620
21	1510	2790	1500	2910	1390	1400	1120	1210	1150	1850	1580	7350
22	1530	3090	1660	1780	1370	1440	1060	920	1100	1840	1190	7380
23	1520	3560	2300	1070	1360	1800	1060	908	1100	1680	1580	7410
24	1680	3610	2820	2150	1360	1440	1100	1000	1120	1480	1420	7020
25	1620	2620	2400	2010	1360	1340	999	1060	1300	1340	1720	3870
26	1540	2650	1830	2310	1420	1330	985	1050	1180	1480	1630	5620
27	2350	2410	1790	2750	1460	970	1320	1020	1390	829	1860	3990
28	1360	1580	1800	2590	1400	1120	915	1040	1890	990	1810	5210
29	1710	1140	2230	2980	1370	1170	1440	1000	1220	1910	1180	6420
30	1740	1460	2580	2350	---	1880	1160	1030	1170	2270	1670	6170
31	1440	---	2760	2310	---	1160	---	1090	---	1740	1910	---
TOTAL	46178	60490	70550	74770	50950	43858	34292	33270	34905	53429	50800	102596
MEAN	1490	2016	2276	2412	1757	1415	1143	1073	1164	1724	1639	3420
MAX	2350	4490	4640	3450	3060	2000	1490	1320	1890	3120	3020	7410
MIN	958	1020	1380	1070	1200	970	915	882	985	829	1000	827
CFSM	1.27	1.72	1.95	2.06	1.50	1.21	0.98	0.92	0.99	1.47	1.40	2.92
IN.	1.47	1.92	2.24	2.38	1.62	1.39	1.09	1.06	1.11	1.70	1.62	3.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

MEAN	1965	1885	1711	2088	2273	2521	2813	2428	2070	2085	2359	2216
MAX	4196	4433	5778	6802	6797	6053	8042	7509	5476	3876	3875	4423
(WY)	1992	1975	1993	1993	1996	1990	1964	1964	1973	2003	1994	1967
MIN	502	698	558	529	709	647	608	696	569	598	501	523
(WY)	1958	1957	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1957 - 2004	
ANNUAL TOTAL	935268		656088			
ANNUAL MEAN	2562		1793		2200	
HIGHEST ANNUAL MEAN					3431	1993
LOWEST ANNUAL MEAN					971	2002
HIGHEST DAILY MEAN	8010	May 9	7410	Sep 23	11200	Apr 6 1964
LOWEST DAILY MEAN	784	Apr 9	827	Sep 6	351	Sep 1 1957
ANNUAL SEVEN-DAY MINIMUM	1170	Jan 1	1000	May 22	416	Aug 31 1957
MAXIMUM PEAK FLOW			10700	Sep 17	13200	Apr 5 1964
MAXIMUM PEAK STAGE			11.76	Sep 17	13.10	Apr 5 1964
ANNUAL RUNOFF (CFSM)	2.19		1.53		1.88	
ANNUAL RUNOFF (INCHES)	29.74		20.86		25.55	
10 PERCENT EXCEEDS	5110		2800		4420	
50 PERCENT EXCEEDS	1950		1480		1600	
90 PERCENT EXCEEDS	1220		1040		766	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00* CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.86	2.16	4.31	3.13	2.81	2.78	2.41	2.46	2.16	3.69	3.01	3.22
2	2.94	2.59	3.74	4.44	3.31	2.78	2.38	2.60	2.16	5.17	3.47	3.56
3	2.92	2.84	5.86	2.29	4.96	2.82	2.60	2.33	2.13	3.10	3.32	3.46
4	2.52	3.17	6.70	2.90	3.69	2.78	2.03	2.21	2.18	3.37	3.37	3.32
5	2.03	2.98	3.34	4.26	4.09	2.78	3.00	2.20	2.24	3.38	3.20	2.45
6	2.65	3.47	3.68	5.05	3.37	2.98	2.45	1.96	2.07	4.19	2.24	1.93
7	2.79	3.38	3.93	5.29	3.23	2.91	2.57	2.28	2.46	4.73	2.43	4.58
8	3.24	2.81	3.63	5.52	3.69	2.87	2.00	2.02	2.49	3.88	2.65	4.79
9	3.17	2.64	4.53	5.44	3.39	2.83	2.36	2.19	2.19	5.15	2.91	3.09
10	3.37	3.39	3.50	4.46	3.86	2.94	2.50	2.35	2.97	2.88	3.98	3.51
11	2.69	3.82	4.03	3.54	2.34	3.10	2.02	2.51	2.26	2.50	3.87	3.37
12	2.59	2.69	3.31	2.44	3.43	3.81	2.56	2.10	2.28	2.28	5.11	2.80
13	2.77	3.39	3.19	4.60	4.85	2.90	2.71	2.29	2.56	3.15	2.84	2.62
14	3.10	4.41	2.82	5.26	3.34	2.85	2.52	2.30	2.23	3.11	3.93	3.24
15	3.05	2.71	4.54	5.63	3.51	2.86	2.40	1.88	2.41	3.23	2.78	3.21
16	3.56	2.16	4.50	5.16	3.65	2.91	2.36	2.11	2.46	3.09	2.44	4.73
17	2.65	3.49	4.77	4.59	2.55	3.19	2.66	2.17	2.26	2.77	3.23	7.57
18	2.29	3.64	4.41	3.48	3.47	3.01	2.28	2.67	2.37	2.72	3.31	3.03
19	2.60	6.75	4.76	4.76	3.43	2.83	2.00	2.58	2.15	2.63	3.18	2.17
20	2.60	4.32	4.20	4.14	2.88	2.07	1.97	2.32	2.20	3.08	3.10	7.69
21	2.98	4.85	2.96	4.76	2.84	2.81	2.32	2.49	2.38	3.49	3.13	9.28
22	3.02	4.89	3.19	3.22	2.80	2.89	2.20	1.95	2.28	3.46	2.55	9.30
23	3.00	5.58	4.23	2.12	2.79	3.50	2.22	1.93	2.29	3.24	3.13	9.33
24	3.25	5.62	4.91	3.66	2.79	2.86	2.28	2.11	2.33	3.00	2.90	9.01
25	3.12	4.62	4.34	3.55	2.78	2.71	2.10	2.21	2.66	2.76	3.33	5.84
26	3.10	4.69	3.45	3.98	2.90	2.70	2.07	2.20	2.44	3.00	3.19	7.81
27	4.30	4.37	3.38	4.56	2.96	2.04	2.68	2.14	2.77	1.93	3.49	6.10
28	2.78	3.15	3.39	4.35	2.86	2.32	1.94	2.17	3.65	2.20	3.41	7.31
29	3.37	2.37	3.95	4.84	2.80	2.41	2.90	2.10	2.51	3.57	2.54	8.52
30	3.43	2.92	4.57	3.99	---	3.60	2.40	2.15	2.41	4.10	3.23	8.31
31	2.88	---	4.80	3.98	---	2.39	---	2.26	---	3.32	3.55	---
MEAN	2.96	3.66	4.09	4.17	3.29	2.85	2.36	2.23	2.40	3.30	3.19	5.17
MAX	4.30	6.75	6.70	5.63	4.96	3.81	3.00	2.67	3.65	5.17	5.11	9.33
MIN	2.03	2.16	2.82	2.12	2.34	2.04	1.94	1.88	2.07	1.93	2.24	1.93

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00* CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	1.26	0.00	0.10
2	0.00	0.00	0.00	0.00	0.88	0.13	0.00	0.63	0.00	0.06	0.00	0.04
3	0.00	0.00	0.01	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
5	0.00	0.57	0.00	0.52	0.06	0.00	0.00	0.00	0.00	0.21	0.17	0.00
6	0.01	0.13	0.00	0.00	1.12	0.41	0.00	0.00	0.00	0.02	0.00	0.11
7	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	4.32
8	0.86	0.00	0.00	0.05	0.00	0.00	0.04	0.00	---	0.00	0.00	0.10
9	0.00	0.00	0.00	0.25	0.00	0.03	0.00	0.00	---	0.00	0.00	0.00
10	0.00	0.00	0.07	0.01	0.03	0.00	0.00	0.02	---	0.00	0.00	0.00
11	0.02	0.00	0.00	0.00	0.15	0.00	0.35	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.86	0.00	0.82	0.27	0.00	0.00	2.45	0.00
13	0.01	0.00	0.01	0.00	0.00	0.00	0.67	0.00	1.40	0.00	0.00	0.00
14	0.05	0.00	0.00	0.00	0.41	0.00	0.01	0.00	0.02	0.57	0.00	0.00
15	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	1.01	0.00	0.00	0.01
16	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.03	0.04	0.00	0.00	5.66
17	0.03	0.01	0.00	0.23	0.00	0.00	0.00	0.05	0.00	0.40	0.00	0.14
18	0.00	0.33	0.00	0.16	0.00	0.00	0.00	0.27	0.70	0.01	0.00	0.00
19	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.17	0.00
21	0.00	0.00	0.00	0.00	0.08	0.08	0.00	0.00	0.56	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.40	0.00	0.04	0.00
23	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
24	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.33	0.16	0.04	0.00
25	0.00	0.00	0.00	2.29	0.17	0.00	0.00	0.00	0.40	0.31	0.25	0.00
26	1.89	0.00	0.00	0.02	0.66	0.00	0.80	0.00	0.09	0.40	0.01	0.00
27	0.02	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.93	0.01	0.00	2.77
28	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.44	0.22	0.00	0.01
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.14	0.00	0.01	0.09	0.00
30	0.00	0.00	0.23	0.00	---	1.10	0.00	0.00	0.16	0.00	0.00	0.01
31	0.00	---	0.00	0.00	---	0.12	---	0.86	---	0.00	0.01	---
TOTAL	2.90	1.32	0.40	3.53	5.18	2.08	2.69	3.61	---	3.68	3.25	13.27

APALACHICOLA RIVER BASIN
2004 Water Year

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA

LOCATION.—Lat 33°59'50", long 84°12'07", referenced to North American Datum (NAD) of 1983, Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on GA 141, 1.5 miles upstream from John Creek, 4.5 miles north of Norcross, 6.5 miles downstream from Suwanee Creek, 18.0 miles downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.—1,170 square miles, approximately.

COOPERATION.—National Park Service, Cobb County Water System, Cobb County – Marietta Water Authority.

PERIOD OF RECORD.—May 24, 2002 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 24, 2002 to current year.
WATER TEMPERATURE: May 24, 2002 to current year.
TURBIDITY: May 24, 2002 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance and turbidity, which are fair.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 68 microsiemens, September 14, 2002; minimum recorded, 33 microsiemens, September 17, 2004.
WATER TEMPERATURE: Maximum recorded, 21.7°C, September 17, 2004; minimum recorded, 4.7°C, January 24, 2003.
TURBIDITY: Maximum, >1,100 FNU, on several days; minimum, <2.0 FNU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 63 microsiemens, April 13; minimum, 33 microsiemens, September 17.
WATER TEMPERATURE: Maximum, 21.7°C, September 17; minimum, 5.8°C, January 26.
TURBIDITY: Maximum, >1,100 FNU, on several days; minimum, <2.0 FNU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	48	45	46	49	45	47	52	42	46	47	40	44
2	48	45	46	49	46	47	51	42	45	46	39	42
3	48	44	46	50	45	47	47	41	43	47	42	46
4	48	43	46	49	43	46	46	41	43	46	40	43
5	49	48	48	50	44	46	52	43	47	45	40	42
6	49	46	47	53	47	49	48	43	46	46	40	42
7	48	45	46	49	43	45	47	42	45	43	40	41
8	48	43	46	50	45	47	51	42	46	43	40	41
9	48	43	46	50	46	47	46	42	44	44	40	42
10	48	43	45	50	44	46	58	44	48	45	40	42
11	49	44	46	50	42	45	58	44	47	48	40	44
12	50	46	47	52	43	48	48	45	47	49	42	47
13	49	45	47	52	43	47	49	45	47	46	40	42
14	49	43	46	51	43	45	57	46	52	45	40	42
15	49	43	46	51	45	48	55	41	44	44	40	42
16	49	43	45	52	46	49	45	40	43	45	40	42
17	49	44	46	57	46	50	45	40	42	45	40	42
18	49	46	47	50	44	46	44	40	42	49	40	45
19	49	46	47	49	41	45	44	39	41	51	40	45
20	49	46	47	51	43	46	44	39	41	49	40	44
21	49	44	46	51	42	45	47	40	43	45	40	42
22	48	44	46	50	41	45	47	39	43	47	43	44
23	49	44	46	49	41	44	43	39	41	50	47	49
24	49	44	46	49	41	44	48	40	42	48	40	45
25	48	43	45	49	42	45	43	39	41	51	44	48
26	55	46	48	47	41	44	45	39	42	50	42	48
27	57	44	50	47	42	44	45	38	42	47	41	43
28	51	46	48	53	44	50	45	38	42	47	40	44
29	48	45	46	53	52	53	45	39	42	46	40	43
30	47	45	46	53	45	48	45	40	42	46	40	44
31	50	45	46	---	---	---	44	40	41	45	40	43
MONTH	57	43	46	57	41	47	58	38	44	51	39	44

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	47	43	45	47	45	46	53	50	52	55	48	51
2	48	40	44	47	46	46	53	49	51	60	52	56
3	47	41	44	47	47	47	52	49	50	57	50	51
4	48	41	45	47	47	47	53	50	52	52	49	51
5	45	40	43	48	47	47	52	48	50	52	50	51
6	49	44	47	50	48	49	54	50	52	53	52	53
7	48	44	47	50	48	49	54	50	52	52	49	51
8	48	43	44	48	48	48	55	52	54	52	49	51
9	48	40	45	48	48	48	54	50	52	52	48	50
10	44	40	42	52	48	50	52	49	50	54	49	51
11	48	44	47	53	50	51	53	50	51	51	48	49
12	51	42	48	53	47	49	54	49	50	52	48	50
13	43	39	41	53	47	50	63	54	58	54	50	52
14	46	40	43	52	47	50	60	51	53	54	51	52
15	47	40	44	52	48	50	54	50	52	53	52	52
16	49	39	45	54	48	51	55	50	52	52	48	50
17	48	43	46	55	46	51	55	51	52	53	48	51
18	47	43	44	54	47	51	56	51	54	52	47	49
19	43	43	43	55	47	51	55	53	55	54	50	52
20	45	43	44	56	50	54	55	53	54	54	50	52
21	46	44	45	56	47	52	55	50	52	54	50	51
22	46	45	46	56	48	52	55	52	53	54	49	52
23	45	45	45	53	47	49	55	52	53	---	---	---
24	45	45	45	55	47	51	53	49	51	53	50	51
25	47	45	46	54	47	51	54	50	51	52	49	50
26	47	46	46	55	47	51	56	52	53	52	48	50
27	49	47	48	55	51	54	57	49	53	50	47	49
28	48	46	48	53	49	51	55	52	52	50	48	49
29	46	46	46	53	49	51	52	47	49	49	47	48
30	---	---	---	57	45	50	52	48	50	49	46	48
31	---	---	---	53	48	52	---	---	---	53	42	49
MONTH	51	39	45	57	45	50	63	47	52	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	55	49	51	53	42	49	43	40	42	49	41	44
2	49	46	47	51	42	47	44	39	41	54	41	45
3	48	46	47	49	42	46	44	39	42	45	41	43
4	48	45	46	49	42	45	43	39	41	45	41	43
5	47	44	46	49	42	46	44	39	42	46	41	43
6	47	44	46	48	42	44	48	44	47	45	44	45
7	53	40	47	47	41	44	45	41	43	57	38	45
8	53	49	51	48	41	45	44	40	42	46	39	42
9	50	46	48	45	41	43	43	40	42	57	43	51
10	49	44	47	47	42	45	43	40	41	48	42	45
11	49	45	47	47	43	45	43	39	41	48	42	45
12	48	45	46	47	42	45	47	39	43	48	43	46
13	53	42	48	48	42	45	45	43	44	48	43	46
14	50	46	47	49	42	44	44	40	41	47	42	45
15	55	39	47	54	43	51	44	41	42	48	42	45
16	51	48	49	47	43	45	45	41	43	48	37	44
17	50	47	48	48	43	45	44	40	42	42	33	36
18	49	39	47	52	43	48	44	40	42	51	41	48
19	47	45	46	47	43	45	44	40	42	53	51	52
20	47	44	45	45	41	44	44	40	42	53	42	44
21	46	42	45	44	40	42	46	40	43	43	42	42
22	49	40	46	44	39	42	44	41	43	42	42	42
23	49	46	48	43	39	41	44	40	42	42	42	42
24	50	42	47	43	38	41	46	40	43	43	42	42
25	52	46	48	43	38	41	46	41	43	48	42	44
26	52	49	50	47	39	43	47	41	44	47	41	42
27	50	45	47	47	45	46	46	41	43	48	42	44
28	49	46	47	51	42	46	46	41	43	54	41	45
29	50	47	49	43	39	41	45	41	44	43	42	42
30	51	47	49	44	36	40	48	41	44	43	42	42
31	---	---	---	43	39	41	45	41	43	---	---	---
MONTH	55	39	47	54	36	44	48	39	43	57	33	44

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.8	11.6	13.3	15.1	12.6	13.8	14.1	10.6	12.5	9.8	9.1	9.4
2	14.3	11.5	13.0	15.0	11.9	13.4	14.1	10.8	12.7	10.2	9.2	9.8
3	14.1	11.7	12.8	15.1	12.0	13.5	13.9	11.9	13.2	10.7	10.0	10.3
4	14.8	11.9	13.4	15.5	12.6	14.7	13.8	12.4	13.4	11.1	10.0	10.6
5	12.9	12.3	12.5	15.8	12.4	14.5	12.9	10.7	11.8	11.1	10.2	10.6
6	14.1	11.6	12.7	16.9	13.1	15.4	12.5	11.5	12.1	10.3	9.0	9.5
7	14.7	11.9	13.3	16.0	13.2	15.1	12.9	11.3	12.0	9.4	8.0	8.8
8	15.1	11.8	13.8	14.8	12.5	14.0	13.0	10.4	11.8	9.3	8.0	8.8
9	15.2	12.1	14.2	14.9	11.8	13.4	13.1	11.8	12.3	9.3	8.5	8.9
10	15.0	12.0	13.6	14.8	11.8	13.4	12.8	10.7	12.2	9.1	8.2	8.7
11	14.5	12.2	13.6	15.2	12.5	14.5	11.6	10.6	11.2	9.2	7.1	8.1
12	15.6	11.8	13.7	15.1	13.3	14.5	11.6	10.4	10.9	8.7	7.4	7.9
13	15.1	12.5	13.7	14.7	11.8	14.1	11.5	10.4	10.9	9.3	8.4	8.8
14	15.2	12.4	14.1	14.7	11.2	13.4	11.1	8.6	9.7	9.3	8.4	8.9
15	14.5	11.5	13.3	14.4	11.5	12.9	11.9	8.6	10.9	9.4	8.7	9.0
16	14.6	11.4	13.1	13.9	11.8	12.8	11.9	10.5	11.3	9.2	8.2	8.8
17	13.5	11.2	12.8	15.2	12.0	13.3	11.7	10.8	11.3	9.0	8.2	8.7
18	14.1	11.2	12.7	15.7	13.1	15.0	11.2	10.0	10.7	9.2	8.6	8.8
19	14.4	11.0	12.8	16.4	13.6	15.7	11.2	10.1	10.7	9.0	8.1	8.6
20	14.7	11.6	13.1	14.9	12.9	14.5	10.5	9.3	10.1	8.8	6.9	8.0
21	15.0	11.8	13.8	15.5	12.3	14.2	10.4	8.3	9.3	8.6	7.6	8.2
22	15.1	12.0	13.9	15.8	11.8	14.4	10.6	8.5	9.6	8.4	7.5	8.0
23	14.6	11.8	13.5	15.9	12.3	14.9	10.8	9.6	10.2	8.1	7.1	7.5
24	14.7	11.8	13.5	15.6	12.6	15.0	10.9	9.9	10.4	8.8	7.1	7.8
25	15.2	12.3	14.3	14.9	11.4	14.0	10.1	8.8	9.5	8.7	7.0	8.1
26	14.8	12.2	13.6	15.1	12.3	13.9	10.2	8.2	9.2	7.4	5.8	6.2
27	15.0	12.4	13.9	14.7	12.8	14.2	10.2	8.4	9.3	8.0	7.2	7.6
28	14.4	10.9	12.9	14.5	11.8	13.4	10.2	8.4	9.3	7.8	6.3	7.1
29	14.6	11.4	13.1	11.8	9.8	10.4	10.3	9.0	9.7	7.9	6.5	7.3
30	14.9	11.7	13.4	12.6	10.0	11.7	10.2	9.7	10	7.7	7.2	7.4
31	15.0	11.7	13.9	---	---	---	10.1	9.0	9.6	7.8	6.8	7.3
MONTH	15.6	10.9	13.4	16.9	9.8	13.9	14.1	8.2	10.9	11.1	5.8	8.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.7	6.9	7.2	9.6	7.6	8.4	9.8	8.1	9.1	11.8	9.5	10.7
2	7.7	6.6	7.1	9.8	9.1	9.6	10.0	8.5	9.4	13.5	11.1	12.2
3	7.6	6.2	6.9	9.8	9.0	9.5	10.4	8.8	9.7	13.1	10.4	11.4
4	7.5	6.5	7.0	9.8	9.0	9.4	11.7	10.3	10.8	11.5	9.9	10.8
5	7.2	6.8	7.0	9.7	8.9	9.4	10.3	8.4	9.4	12.3	10.5	11.4
6	7.0	6.5	6.7	11.0	9.7	10.3	10.5	9.7	10.2	14.2	12.1	12.9
7	6.9	6.1	6.7	10.7	9.0	9.8	10.7	9.3	10.1	13.3	11.5	12.5
8	7.1	6.1	6.5	9.7	8.0	8.8	12.0	10.5	11.3	13.7	11.4	12.6
9	7.1	6.3	6.8	8.8	7.6	8.3	11.8	9.8	10.9	13.1	11.1	12.4
10	7.1	6.6	6.8	8.7	7.3	8.1	11.8	9.7	10.4	13.0	11.5	12.5
11	7.3	7.0	7.2	9.0	7.2	8.2	10.9	9.8	10.5	12.8	10.2	11.6
12	7.3	6.9	7.1	9.0	7.5	8.3	10.5	9.4	10	12.6	10.6	11.7
13	7.6	6.6	7.1	9.0	8.3	8.7	11.0	9.9	10.7	12.9	11.9	12.3
14	8.0	7.2	7.6	9.6	8.8	9.1	10.6	8.3	9.6	12.8	11.2	12.1
15	7.7	7.3	7.6	10.2	8.8	9.5	11.2	9.0	10.2	13.9	12.0	12.8
16	7.5	6.9	7.2	10.3	9.3	9.8	11.8	9.6	10.9	13.2	11.6	12.3
17	7.1	6.7	6.9	10.2	8.4	9.6	11.7	9.8	10.9	12.7	11.2	12.0
18	7.8	6.4	7.1	9.7	8.0	9.1	12.4	11.3	11.8	12.4	9.6	11.0
19	7.9	6.3	7.2	9.7	8.7	9.1	13.8	11.6	12.7	13.4	9.9	11.8
20	7.9	6.9	7.4	11.5	9.7	10.6	13.5	12.1	12.7	13.7	11.3	12.7
21	8.7	7.7	8.2	10.8	8.5	10	12.2	10.5	11.5	13.7	11.3	12.3
22	8.4	7.1	7.8	10.5	7.4	8.8	12.6	10.9	11.8	16.0	12.1	13.2
23	8.1	7.0	7.4	9.6	7.4	8.5	12.6	11.3	12.0	---	---	---
24	7.8	7.3	7.6	9.9	8.4	9.3	12.6	10.4	11.7	13.6	12.3	12.9
25	7.8	7.3	7.6	10.6	9.2	9.9	12.5	11.8	12.1	13.8	11.3	12.7
26	7.3	6.4	6.7	11.4	9.6	10.5	12.6	11.0	12.1	13.9	11.7	13.0
27	7.0	6.4	6.7	12.5	10.8	11.5	12.0	8.9	10.7	13.9	12.1	13.1
28	8.0	6.5	7.2	11.7	9.9	10.9	12.7	10.9	11.7	13.7	12.3	12.9
29	8.0	7.0	7.6	11.8	10.0	11.1	11.6	9.2	10.5	12.9	11.1	11.9
30	---	---	---	12.3	8.9	10.6	11.7	9.9	10.8	13.5	10.7	11.9
31	---	---	---	10.7	9.3	9.9	---	---	---	14.0	12.2	12.9
MONTH	8.7	6.1	7.2	12.5	7.2	9.5	13.8	8.1	10.9	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.5	12.0	12.6	15.5	11.6	13.5	14.2	10.0	12.3	13.3	10.6	11.8
2	12.9	10.6	12.0	19.3	10.7	15.5	14.4	9.9	12.2	14.1	10.5	11.8
3	12.7	11.5	12.1	15.5	10.7	13.1	14.6	10.2	12.3	13.3	10.6	12.0
4	13.3	10.8	12.2	15.2	9.8	12.7	14.2	10.1	12.2	13.6	10.1	11.7
5	13.4	11.1	12.3	15.4	9.9	12.9	14.0	10.2	11.8	14.2	10.8	12.6
6	13.0	11.2	12.2	15.4	10.3	12.1	16.2	14.0	15.5	14.1	13.8	13.9
7	16.8	11.0	13.0	14.1	10.1	11.4	14.2	10.7	12.6	20.5	14.0	17.6
8	14.5	10.9	12.3	14.8	10.2	12.0	13.8	10.0	12.4	20.5	18.6	19.8
9	13.2	11.2	12.1	12.9	9.9	10.9	13.6	9.9	11.6	18.6	11.5	16.5
10	13.3	11.0	12.1	14.4	10.5	12.3	12.3	10.0	11.0	14.9	11.0	12.9
11	14.1	11.0	12.4	14.8	11.2	13.0	13.7	10.0	11.6	14.4	10.6	12.6
12	14.0	11.8	13.1	14.6	11.0	12.7	18.2	10.1	14.4	14.3	10.9	12.6
13	15.5	12.3	13.8	15.1	10.7	12.9	18.0	13.8	16.8	13.3	11.1	12.2
14	13.9	11.5	12.8	17.1	10.3	12.6	13.9	10.2	11.9	13.5	10.4	11.9
15	17.0	11.8	13.3	17.5	12.9	15.1	14.0	10.3	12.4	13.1	10.7	11.9
16	14.8	12.1	13.7	14.1	10.5	12.1	13.8	11.1	12.6	20.2	10.8	14.0
17	14.8	12.0	13.4	15.8	10.8	12.0	13.7	10.1	12.1	21.7	19.7	21.1
18	17.0	12.2	13.8	15.4	11.0	13.1	14.0	10.1	12.2	19.7	15.7	17.5
19	14.6	11.9	13.3	14.4	10.5	12.3	14.0	10.2	12.1	15.7	13.9	14.7
20	14.4	12.1	13.3	13.7	10.0	12.0	13.4	10.2	12.0	13.9	10.3	11.8
21	14.2	11.6	13.1	14.2	9.9	11.9	13.9	10.2	12.2	12.1	11.3	11.6
22	16.5	11.0	12.8	13.9	9.9	11.9	13.7	10.9	12.5	12.1	11.1	11.5
23	16.7	12.5	13.4	14.5	9.9	12.2	13.9	10.5	12.2	12.2	11.2	11.6
24	16.0	11.9	12.9	14.5	10.5	12.8	13.4	10.3	11.9	12.3	11.3	11.7
25	14.6	11.4	13.2	13.3	10.4	11.8	15.2	10.3	12.0	13.8	11.3	12.2
26	15.4	13.5	14.4	16.4	10.4	13.2	13.8	10.3	12.1	14.1	10.8	11.8
27	16.8	12.4	13.7	16.0	13.2	14.5	14.1	10.3	12.2	16.0	11.7	12.9
28	19.4	16.8	18.1	16.3	12.7	14.0	14.1	10.4	12.2	18.0	13.2	15.8
29	17.4	13.5	14.7	14.0	10.1	11.9	13.8	11.0	12.3	13.2	12.0	12.3
30	14.7	12.0	13.1	18.6	11.4	14.8	14.7	10.8	12.5	12.5	11.6	12.0
31	---	---	---	16.4	10.4	12.5	14.3	10.7	12.1	---	---	---
MONTH	19.4	10.6	13.2	19.3	9.8	12.8	18.2	9.9	12.5	21.7	10.1	13.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	31	4.6	7.5	12	4.9	7.5	68	9.5	20	21	2.5	6.0
2	51	5.0	8.0	26	5.8	9.8	104	8.2	10	30	2.8	9.7
3	35	4.4	7.5	46	5.0	13	142	8.0	21	22	2.0	5.0
4	30	4.9	7.5	54	3.7	6.1	34	4.5	17	34	2.2	4.4
5	11	6.8	8.3	33	4.1	9.9	25	4.9	7.4	25	2.5	8.4
6	21	5.4	10	104	22	34	29	4.9	10	30	5.2	10
7	28	4.2	8.8	99	7.6	10	32	4.5	12	24	3.1	9.0
8	39	4.4	10	44	5.8	8.1	42	3.7	6.5	28	3.1	7.4
9	41	4.5	6.5	19	5.1	9.1	29	4.7	11	39	3.4	7.4
10	37	4.6	10	38	4.2	10	156	6.6	24	30	2.8	5.9
11	22	5.9	8.8	39	4.7	8.5	639	12	40	23	<2.0	3.4
12	28	5.9	9.1	29	4.6	6.3	30	6.5	17	16	<2.0	2.4
13	30	4.5	7.7	40	4.8	7.7	39	6.5	12	39	2.3	5.8
14	41	4.5	7.3	37	6.2	12	80	7.6	20	21	2.0	7.0
15	41	4.7	7.3	17	4.9	6.8	126	6.9	19	23	2.5	6.6
16	32	4.8	11	12	5.3	8.2	33	4.8	12	18	2.6	6.8
17	29	5.2	6.9	136	8.2	21	107	5.3	12	18	<2.0	5.5
18	35	5.5	8.0	54	6.8	11	24	4.3	9.0	26	2.4	4.2
19	63	4.5	8.7	926	37	427	29	4.9	11	23	2.8	5.4
20	28	4.1	6.8	278	35	58	23	3.1	7.7	25	2.0	3.9
21	33	4.3	6.0	107	13	32	20	2.7	4.4	21	<2.0	4.9
22	29	4.6	7.1	71	8.6	18	32	2.7	4.7	8.9	<2.0	2.5
23	31	3.7	6.2	60	7.3	21	20	3.2	6.6	4.1	<2.0	2.2
24	31	4.4	6.8	51	5.9	16	70	9.2	15	33	<2.0	4.2
25	42	4.2	6.1	66	6.9	11	25	4.4	9.6	197	2.1	42
26	71	8.8	18	48	6.6	16	29	2.9	5.0	287	67	136
27	164	8.8	34	74	6.6	15	29	2.4	4.3	89	4.3	14
28	25	7.0	9.3	85	15	29	31	2.1	5.0	28	4.2	9.0
29	24	5.4	11	27	14	18	35	2.2	4.3	24	3.3	8.6
30	27	5.8	10	50	9.3	12	24	3.7	8.2	22	3.4	5.3
31	29	5.1	7.4	---	---	---	32	3.0	7.1	17	2.7	7.0
MAX	164	8.8	34	926	37	427	639	12	40	287	67	136
MIN	11	3.7	6.0	12	3.7	6.1	20	2.1	4.3	4.1	2.0	2.2

< Actual value is known to be less than the value shown

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	18	3.1	4.8	7.3	2.0	2.8	6.9	2.0	3.2	13	<2.0	1.9
2	52	2.1	4.2	4.0	<2.0	2.3	8.4	<2.0	2.7	57	2.0	11
3	202	22	69	5.8	2.2	3.0	8.1	<2.0	3.0	62	5.0	9.3
4	31	4.4	21	5.7	2.2	2.8	4.1	<2.0	2.2	8.5	<2.0	3.1
5	19	2.6	6.9	6.1	<2.0	2.7	10	<2.0	2.9	5.8	<2.0	2.2
6	634	2.8	34	14	2.1	6.1	3.9	<2.0	2.5	4.4	<2.0	2.3
7	964	44	156	13	2.9	8.3	3.8	<2.0	2.3	7.8	<2.0	2.3
8	138	8.8	30	4.6	2.1	2.9	4.1	<2.0	1.8	6.2	<2.0	1.9
9	116	4.8	9.6	5.0	<2.0	2.4	6.2	<2.0	2.5	7.9	<2.0	2.2
10	30	2.6	7.8	8.4	<2.0	2.5	4.0	<2.0	2.5	7.7	<2.0	2.4
11	14	3.1	5.3	6.6	<2.0	3.3	7.0	<2.0	2.6	11	<2.0	2.6
12	440	5.3	35	18	2.3	7.1	12	<2.0	2.6	5.2	<2.0	2.7
13	375	6.2	23	13	2.3	3.7	81	11	55	13	3.5	10
14	25	4.0	9.1	15	2.0	3.9	68	9.0	17	45	7.1	20
15	35	6.1	13	12	<2.0	2.7	22	3.8	5.4	8.7	3.5	4.8
16	97	8.0	55	10	<2.0	3.1	13	3.1	4.4	9.7	2.6	3.5
17	14	6.4	9.2	17	<2.0	3.4	9.5	3.1	4.4	8.9	2.6	3.9
18	12	2.4	4.8	9.6	2.0	3.1	10	2.9	4.1	45	3.7	9.8
19	12	3.1	5.0	9.8	<2.0	2.4	8.8	2.2	2.8	42	5.9	7.7
20	15	2.8	5.7	6.2	<2.0	2.9	3.8	2.0	2.6	52	5.0	11
21	8.0	3.4	5.0	20	2.2	4.2	8.0	2.0	2.9	14	3.3	5.2
22	9.9	2.4	4.8	9.1	<2.0	2.3	9.1	<2.0	2.8	90	2.8	4.1
23	6.0	2.3	3.5	11	<2.0	4.3	5.5	2.0	2.9	30	4.0	6.3
24	5.5	<2.0	2.6	10	<2.0	2.0	10	2.2	2.9	11	2.8	4.4
25	4.6	<2.0	2.7	7.7	<2.0	2.4	20	2.4	3.2	12	2.7	4.0
26	7.1	2.0	3.3	13	<2.0	2.5	18	2.0	3.0	17	2.3	3.5
27	12	3.9	6.6	8.8	<2.0	3.0	33	<2.0	2.7	10	2.2	3.3
28	7.5	3.3	4.4	8.1	2.5	3.9	2.8	<2.0	1.6	7.3	2.4	4.0
29	7.3	2.2	4.0	12	<2.0	2.8	13	<2.0	2.5	7.4	<2.0	3.4
30	---	---	---	19	3.3	6.7	9.0	<2.0	1.4	16	2.3	3.8
31	---	---	---	9.3	3.2	4.1	---	---	---	31	3.0	9.7
MAX	964	44	156	20	3.3	8.3	81	11	55	90	7.1	20
MIN	4.6	2.0	2.6	4.0	2.0	2.0	2.8	2.0	1.4	4.4	2.0	1.9

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	58	4.1	7.8	399	44	104	110	6.4	10	20	<2.0	2.9
2	21	2.5	3.9	1380	72	453	59	3.8	7.2	55	2.3	4.8
3	7.4	2.2	3.2	72	18	27	48	3.0	4.8	48	4.4	6.1
4	12	2.2	3.3	88	9.2	19	43	2.8	4.6	24	2.2	4.1
5	11	<2.0	3.5	119	8.9	15	84	2.7	8.3	16	<2.0	2.8
6	7.1	<2.0	2.8	61	5.9	17	142	18	52	3.8	<2.0	2.1
7	183	<2.0	4.4	86	4.3	12	65	4.2	7.1	1080	<2.0	305
8	87	6.9	12	54	3.7	8.7	30	4.3	8.4	742	117	298
9	20	3.5	5.1	51	3.4	11	44	3.1	4.5	348	33	63
10	35	5.1	14	16	3.1	6.0	41	2.9	5.7	281	9.7	13
11	11	2.9	4.5	27	3.3	6.1	41	2.6	4.4	68	6.4	13
12	18	2.8	5.2	26	2.7	4.4	545	14	160	46	7.1	10
13	123	16	30	147	8.7	32	417	39	147	34	4.4	6.3
14	74	5.1	9.1	114	3.2	7.2	276	7.7	11	51	4.3	7.5
15	90	6.8	20	413	62	145	33	5.6	9.8	52	3.5	6.8
16	116	16	30	191	9.1	15	24	3.6	5.7	1640	4.5	12
17	26	4.6	8.2	49	5.1	10	64	3.3	5.1	2090	355	937
18	70	5.5	11	49	8.8	18	34	3.1	4.7	433	47	120
19	19	4.8	7.3	38	5.2	7.0	32	3.3	5.0	53	23	36
20	21	3.2	5.5	39	<2.0	5.8	34	2.8	3.9	559	23	66
21	60	3.2	10	46	2.5	5.3	25	3.2	5.3	53	22	37
22	44	2.6	8.5	46	2.2	4.2	28	3.2	4.5	65	16	28
23	94	4.9	14	42	<2.0	3.2	31	2.3	3.6	32	17	23
24	64	6.8	9.3	36	2.8	9.4	23	<2.0	3.3	29	11	19
25	62	9.9	29	28	2.3	4.2	152	<2.0	5.0	39	11	17
26	152	44	67	311	3.6	29	55	2.5	4.2	76	12	19
27	492	9.4	27	72	4.4	9.6	28	<2.0	3.4	248	6.1	15
28	1250	122	476	220	4.2	5.9	27	2.0	3.8	604	46	344
29	208	23	70	235	7.2	15	40	<2.0	2.8	54	14	22
30	277	12	27	2020	42	395	344	16	38	24	7.6	16
31	---	---	---	302	16	23	27	2.0	3.1	---	---	---
MAX	1250	122	476	2020	72	453	545	39	160	2090	355	937
MIN	7.1	2.0	2.8	16	2.0	3.2	23	2.0	2.8	3.8	2.0	2.1

YEAR MAX MAXIMUM 2090 MINIMUM 2.8
MIN MAXIMUM 355 MINIMUM 2.0
MEDIAN MAXIMUM 937 MINIMUM 1.4

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2004 Water Year

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA

LOCATION.—Lat 33°59'50", long 84°12'07", referenced to North American Datum (NAD) of 1983, Gwinnett County, Hydrologic Unit Code 03130001, on GA 141, 1.5 miles upstream from John Creek, 4.5 miles north of Norcross, 6.5 miles downstream from Suwanee Creek, 18 miles downstream from Buford Dam, at river mile 330.8.

DRAINAGE AREA.—1,170 square miles, approximately.

COOPERATION.—National Park Service, Upper Chattahoochee Riverkeeper, Cobb County Water System, Cobb-Marietta Water Authority.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 1941, October 1957 to May 1958, January 1961 to June 1969, April 1970, October 1075 to September 1976, August 1992 to September 1995, October 2000 to current year.

REMARKS.—Bacteriological and turbidity laboratory analyses are by the U.S. Geological Survey and the National Park Service at the Georgia Water Science Center Laboratory.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Turbdty white light, det ang 9030 corrctd NTRU (63676)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
OCT				
01...	1035	6.0	42	1590
03...	0740	9.0	18	1280
06...	0943	12	100	1760
08...	0950	8.3	460	15500
10...	1135	6.7	110	1370
15...	0930	7.5	67	2520
17...	0845	6.0	18	1100
20...	1040	7.6	39	4840
22...	1100	6.0	49	1160
24...	1000	6.2	36	401
27...	1125	34	900	173000
29...	1200	10	37	1730
31...	1200	13	27	1850
NOV				
03...	1135	14	18	1310
05...	1021	8.0	47	1300
07...	1209	9.6	130	4320
12...	1020	5.8	47	956
14...	1150	8.0	9	1490
17...	1145	10	270	14900
19...	0920	410	9500	>242000
21...	1145	14	340	12900
24...	1220	7.4	320	6260
DEC				
01...	1200	12	47	1400
03...	0915	5.8	34	771
05...	1145	6.1	98	3170
08...	1134	5.7	37	1280
10...	1205	22	670	12500
12...	1120	10	87	3470
15...	1134	10	110	3080
17...	1140	4.2	110	2230
19...	1145	5.7	95	1010
22...	1010	4.0	65	738
29...	1107	7.1	66	635
JAN				
05...	1135	3.2	47	416
07...	1020	5.2	51	1160
09...	1135	5.4	65	674

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Turbdty white light, det ang 9030 corrctd NTRU (63676)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
12...	1155	3.0	9	340
14...	1035	3.2	29	260
16...	1220	6.6	36	485
19...	1149	410	940	41100
21...	1225	5.5	32	428
23...	1205	2.8	18	328
26...	1149	95	940	41100
28...	0920	4.9	57	591
30...	1220	3.0	27	664
FEB				
02...	1205	3.4	<10	545
04...	1126	14	220	4570
06...	1416	45	550	7950
09...	1145	6.6	440	12900
11...	1205	4.9	46	1770
13...	1235	24	110	5460
18...	1510	3.8	16	919
20...	1152	4.0	37	660
23...	1114	2.9	23	315
25...	0917	2.9	22	444
27...	1116	7.0	98	1590
MAR				
01...	1200	2.1	56	316
03...	1005	3.0	20	361
05...	1142	<2.0	14	333
08...	1136	<2.0	26	492
10...	1108	<2.0	10	846
12...	1200	<2.0	18	433
15...	1141	2.1	24	364
17...	0933	2.7	41	746
19...	1119	<2.0	30	519
22...	1135	2.2	22	244
24...	1003	2.0	33	248
26...	1113	3.5	21	369
29...	1122	2.4	67	777
31...	1000	3.3	150	1470
APR				
02...	1107	2.6	40	375
05...	1108	<2.0	78	476
07...	0940	<2.0	36	527
09...	0947	<2.0	54	748
12...	0940	<2.0	200	1160
14...	0834	16	840	19900
16...	1000	2.9	76	1990
19...	1031	<2.0	35	1780
21...	0920	2.3	98	2010
23...	1100	<2.0	37	760
26...	1130	2.4	96	9070
28...	0945	2.1	38	1020
30...	1140	<2.0	55	1280
MAY				
05...	0830	2.2	63	1460
07...	1040	2.1	27	989
10...	1130	2.3	99	1050
12...	0730	2.2	98	1960
14...	1135	14	420	19500
17...	1115	2.2	110	3340
19...	0920	3.8	97	3450
21...	1050	2.2	150	1990
24...	1128	2.4	77	2840
26...	1030	2.4	88	3630
28...	1120	2.4	77	1480
JUN				
02...	0910	2.8	92	2560
04...	1045	2.8	72	2730
07...	1038	3.4	9	3950
09...	1150	<2.0	65	3840
14...	1047	6.0	180	12400
16...	0730	42	1000	98000
18...	1120	8.0	150	23600
21...	1138	3.5	180	8000

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Turbdty white light, det ang 9030 corrctd NTRU (63676)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
23...	0905	11	220	17000
28...	1050	270	18000	46100
30...	0935	14	210	12900
JUL				
07...	0945	5.0	42	4360
12...	1045	2.2	200	5130
14...	0840	2.7	36	3540
21...	0855	3.5	70	2740
26...	1015	6.0	270	13500
28...	0800	3.4	18	11500
AUG				
02...	1100	3.7	57	4220
04...	0715	3.7	47	3660
09...	1115	2.6	18	2600
11...	0720	4.1	50	6490
18...	1105	2.1	65	2490
23...	1145	<2.0	46	3080
25...	0915	<2.0	37	2050
30...	1205	24	410	8860
SEP				
01...	1015	2.7	78	3030
08...	0815	230	7000	326000
13...	1105	3.8	84	5940
15...	0900	2.9	99	6870
22...	0935	11	150	19900
27...	1150	5.6	37	4030
29...	1035	13	110	8600

0Remark codes used in this table:
< -- Less than
> -- Greater than

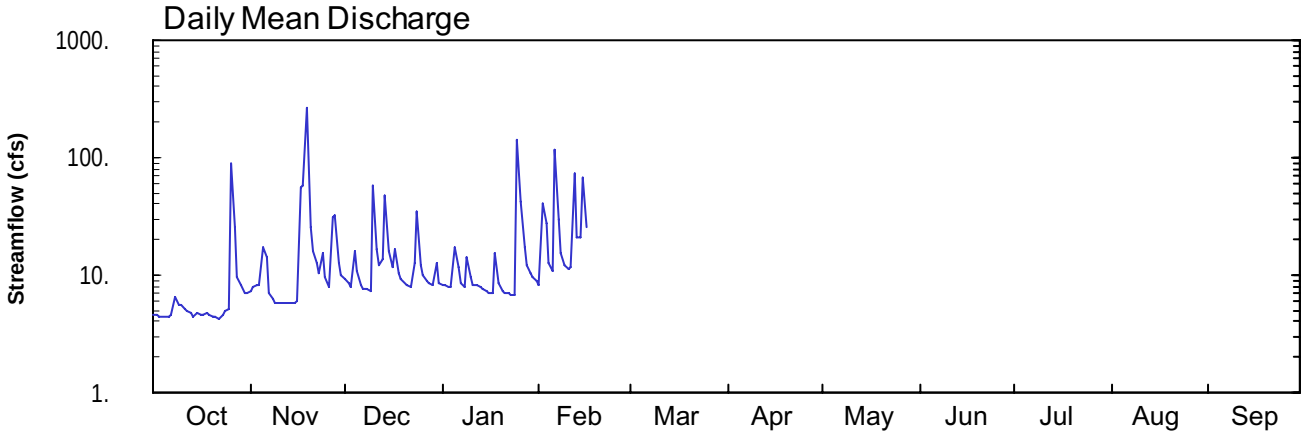
2004 Water Year

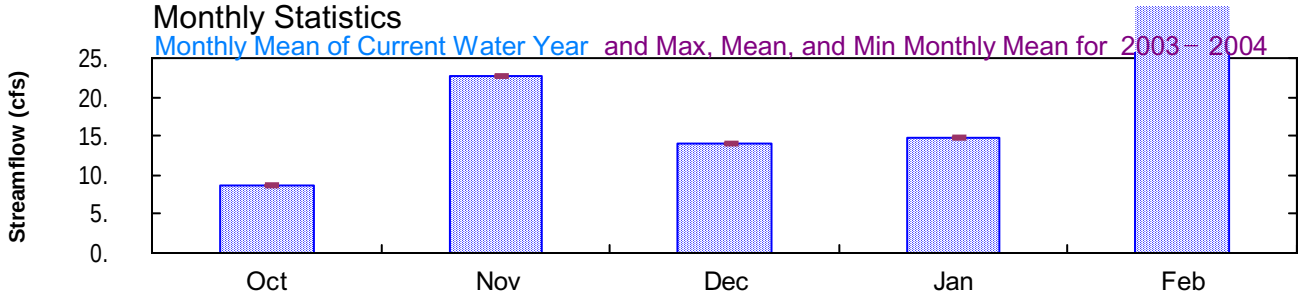
APALACHICOLA RIVER BASIN

02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA.

Latitude: 34°01'38" Longitude: 084°12'09" Hydrologic Unit Code: 03130001

Fulton County Datum: 920.00 feet Drainage Area: 9.4 mi^2





NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA

LOCATION.—Lat 34°01'38", long 84°12'09", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on left upstream bank, fifty feet upstream of bridge on State Bridge Road, 5.0 miles south of Alpharetta, and 1.0 mile south of Warsaw.

DRAINAGE AREA.—9.4 square miles.

COOPERATION.—Fulton County.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 2, 2003 to February 16, 2004.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER–STAGE RECORDS

PERIOD OF RECORD.—April 2, 2003 to February 16, 2004.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.46 feet, November 19; minimum gage-height recorded, 1.19 feet, October 14, 15, 20-23.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 2, 2003 to February 16, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340138 LONGITUDE 0841209 NAD83 DRAINAGE AREA 9.4* CONTRIBUTING DRAINAGE AREA DATUM 920.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	7.2	e9.2	8.2	8.3	---	---	---	---	---	---	---
2	4.6	7.9	e8.6	8.1	41	---	---	---	---	---	---	---
3	4.4	8.1	e8.0	8.0	28	---	---	---	---	---	---	---
4	4.4	8.3	e16	8.0	13	---	---	---	---	---	---	---
5	4.4	18	e11	17	11	---	---	---	---	---	---	---
6	4.4	14	8.3	12	117	---	---	---	---	---	---	---
7	4.6	7.1	e7.7	8.4	30	---	---	---	---	---	---	---
8	6.5	6.2	e7.5	8.0	15	---	---	---	---	---	---	---
9	5.6	5.9	7.3	14	12	---	---	---	---	---	---	---
10	5.5	5.8	57	9.6	11	---	---	---	---	---	---	---
11	5.1	5.8	17	8.3	12	---	---	---	---	---	---	---
12	5.0	5.9	12	8.1	73	---	---	---	---	---	---	---
13	4.7	5.8	14	8.0	21	---	---	---	---	---	---	---
14	4.4	5.8	48	7.5	21	---	---	---	---	---	---	---
15	4.7	5.9	16	7.2	67	---	---	---	---	---	---	---
16	4.5	5.9	11	7.0	25	---	---	---	---	---	---	---
17	4.6	55	17	6.9	---	---	---	---	---	---	---	---
18	4.7	58	10	15	---	---	---	---	---	---	---	---
19	4.6	261	9.2	8.6	---	---	---	---	---	---	---	---
20	4.4	25	8.5	7.4	---	---	---	---	---	---	---	---
21	4.3	16	8.1	7.1	---	---	---	---	---	---	---	---
22	4.2	13	8.0	7.1	---	---	---	---	---	---	---	---
23	4.5	11	13	6.9	---	---	---	---	---	---	---	---
24	4.9	15	35	6.8	---	---	---	---	---	---	---	---
25	5.1	9.7	12	143	---	---	---	---	---	---	---	---
26	90	8.1	9.8	42	---	---	---	---	---	---	---	---
27	26	31	9.0	17	---	---	---	---	---	---	---	---
28	9.5	33	8.5	12	---	---	---	---	---	---	---	---
29	8.2	12	8.3	11	---	---	---	---	---	---	---	---
30	7.2	9.8	13	9.7	---	---	---	---	---	---	---	---
31	7.0	---	8.7	8.9	---	---	---	---	---	---	---	---
TOTAL	266.6	681.2	436.7	456.8	---	---	---	---	---	---	---	---
MEAN	8.60	22.7	14.1	14.7	---	---	---	---	---	---	---	---
MAX	90	261	57	143	--	---	---	---	---	---	---	---
MIN	4.2	5.8	7.3	6.8	--	---	---	---	---	---	---	---
CFSM	0.91	2.42	1.50	1.57	---	---	---	---	---	---	---	---
IN.	1.06	2.70	1.73	1.81	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	8.60	22.7	14.1	14.7	---	---	---	43.4	37.3	30.5	12.8	9.31
MAX	8.60	22.7	14.1	14.7	---	---	---	43.4	37.3	30.5	12.8	9.31
(WY)	2004	2004	2004	2004	---	---	---	2003	2003	2003	2003	2003
MIN	8.60	22.7	14.1	14.7	---	---	---	43.4	37.3	30.5	12.8	9.31
(WY)	2004	2004	2004	2004	---	---	---	2003	2003	2003	2003	2003

SUMMARY STATISTICS WATER YEARS 2003 - 2004

HIGHEST DAILY MEAN	417	May 6 2003
LOWEST DAILY MEAN	4.0	Sep 19 2003
ANNUAL SEVEN-DAY MINIMUM	4.3	Sep 15 2003
MAXIMUM PEAK FLOW	1230	May 6 2003
MAXIMUM PEAK STAGE	8.21	May 6 2003
INSTANTANEOUS LOW FLOW	4.3	Sep 20 2003

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340138 LONGITUDE 0841209 NAD83 DRAINAGE AREA 9.4* CONTRIBUTING DRAINAGE AREA DATUM 920.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.21	1.30	---	1.33	1.34	---	---	---	---	---	---	---
2	1.21	1.33	---	1.33	1.66	---	---	---	---	---	---	---
3	1.20	1.33	---	1.33	1.68	---	---	---	---	---	---	---
4	1.20	1.34	---	1.33	1.45	---	---	---	---	---	---	---
5	1.20	1.48	---	1.50	1.41	---	---	---	---	---	---	---
6	1.20	1.47	1.34	1.43	2.34	---	---	---	---	---	---	---
7	1.21	1.30	---	1.34	1.72	---	---	---	---	---	---	---
8	1.28	1.27	---	1.33	1.50	---	---	---	---	---	---	---
9	1.25	1.26	1.31	1.47	1.43	---	---	---	---	---	---	---
10	1.25	1.26	1.92	1.37	1.41	---	---	---	---	---	---	---
11	1.23	1.26	1.53	1.34	1.42	---	---	---	---	---	---	---
12	1.23	1.26	1.44	1.33	2.08	---	---	---	---	---	---	---
13	1.22	1.26	1.44	1.33	1.60	---	---	---	---	---	---	---
14	1.20	1.26	1.89	1.31	1.60	---	---	---	---	---	---	---
15	1.21	1.26	1.52	1.30	2.00	---	---	---	---	---	---	---
16	1.21	1.26	1.42	1.30	1.66	---	---	---	---	---	---	---
17	1.21	1.87	1.52	1.30	---	---	---	---	---	---	---	---
18	1.22	1.81	1.39	1.50	---	---	---	---	---	---	---	---
19	1.21	3.33	1.36	1.34	---	---	---	---	---	---	---	---
20	1.20	1.66	1.34	1.31	---	---	---	---	---	---	---	---
21	1.20	1.51	1.33	1.30	---	---	---	---	---	---	---	---
22	1.20	1.45	1.33	1.30	---	---	---	---	---	---	---	---
23	1.21	1.40	1.39	1.29	---	---	---	---	---	---	---	---
24	1.22	1.49	1.74	1.29	---	---	---	---	---	---	---	---
25	1.23	1.37	1.43	2.55	---	---	---	---	---	---	---	---
26	2.11	1.33	1.38	1.84	---	---	---	---	---	---	---	---
27	1.64	1.60	1.36	1.53	---	---	---	---	---	---	---	---
28	1.37	1.74	1.34	1.44	---	---	---	---	---	---	---	---
29	1.34	1.44	1.34	1.40	---	---	---	---	---	---	---	---
30	1.30	1.38	1.44	1.38	---	---	---	---	---	---	---	---
31	1.30	---	1.35	1.35	---	---	---	---	---	---	---	---
MEAN	1.27	1.48	---	1.41	---	---	---	---	---	---	---	---
MAX	2.11	3.33	---	2.55	---	---	---	---	---	---	---	---
MIN	1.20	1.26	---	1.29	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340138 LONGITUDE 0841209 NAD83 DRAINAGE AREA 9.4* CONTRIBUTING DRAINAGE AREA DATUM 920.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	0.00	0.00	---	---	---	---	---	---	---
2	0.00	0.00	---	0.00	0.68	---	---	---	---	---	---	---
3	0.00	0.00	---	0.00	0.04	---	---	---	---	---	---	---
4	0.00	0.00	---	0.00	0.00	---	---	---	---	---	---	---
5	0.00	0.46	---	0.34	0.04	---	---	---	---	---	---	---
6	0.00	0.07	---	0.01	0.84	---	---	---	---	---	---	---
7	0.00	0.00	---	0.00	0.00	---	---	---	---	---	---	---
8	0.34	0.00	---	0.04	0.01	---	---	---	---	---	---	---
9	0.01	0.00	0.00	0.22	0.00	---	---	---	---	---	---	---
10	0.00	0.00	0.75	0.00	0.02	---	---	---	---	---	---	---
11	0.00	0.00	0.00	0.00	0.13	---	---	---	---	---	---	---
12	0.01	0.00	0.00	0.00	0.66	---	---	---	---	---	---	---
13	0.00	0.00	0.35	0.00	0.00	---	---	---	---	---	---	---
14	0.04	0.00	0.20	0.00	0.27	---	---	---	---	---	---	---
15	0.00	0.00	0.00	0.00	0.54	---	---	---	---	---	---	---
16	0.00	0.00	0.10	0.00	0.00	---	---	---	---	---	---	---
17	0.02	0.58	0.09	0.21	---	---	---	---	---	---	---	---
18	0.01	1.31	0.01	0.10	---	---	---	---	---	---	---	---
19	0.00	1.06	0.00	0.00	---	---	---	---	---	---	---	---
20	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
21	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
22	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
23	0.00	0.00	0.54	0.00	---	---	---	---	---	---	---	---
24	0.00	0.24	0.01	0.00	---	---	---	---	---	---	---	---
25	0.00	0.00	0.00	1.69	---	---	---	---	---	---	---	---
26	1.76	0.00	0.00	0.01	---	---	---	---	---	---	---	---
27	0.03	0.61	0.00	0.00	---	---	---	---	---	---	---	---
28	0.00	0.13	0.00	0.00	---	---	---	---	---	---	---	---
29	0.00	0.00	0.06	0.00	---	---	---	---	---	---	---	---
30	0.00	0.00	0.14	0.00	---	---	---	---	---	---	---	---
31	0.00	---	0.00	0.00	---	---	---	---	---	---	---	---
TOTAL	2.22	4.46	---	2.62	---	---	---	---	---	---	---	---

APALACHICOLA RIVER BASIN
2004 Water Year

02335078 JOHNS CREEK AT BUICE ROAD, NEAR WARSAW, GA

LOCATION.—Lat 34°00'58", long 84°12'40", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on left downstream bank of bridge on Buice Road, 5.0 miles south of Alpharetta and 1.0 mile south of Warsaw.

DRAINAGE AREA.—11.60 square miles.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—March 6, 2004 to September 30, 2004**.**

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: March 6, 2004 to September 30, 2004**.**

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 26.0°C, July 13; minimum recorded, 7.3°C, March 9.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335078 JOHNS CREEK AT BUICE ROAD, NEAR WARSAW, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340058 LONGITUDE 0841240 NAD27 DRAINAGE AREA 11.6 CONTRIBUTING DRAINAGE AREA 11.6 DATUM 880 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335078 JOHNS CREEK AT BUICE ROAD, NEAR WARSAW, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340058 LONGITUDE 0841240 NAD27 DRAINAGE AREA 11.6 CONTRIBUTING DRAINAGE AREA 11.6 DATUM 880 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	14.1	10.4	12.3	19.1	17.4	18.1
2	---	---	---	---	---	---	14.7	10.2	12.5	19.3	16.8	18.3
3	---	---	---	---	---	---	16.6	11.0	13.8	16.8	14.3	15.5
4	---	---	---	---	---	---	15.8	11.6	13.6	16.2	12.2	14.3
5	---	---	---	---	---	---	15.5	10.2	12.9	18.1	13.0	15.6
6	---	---	---	---	---	---	16.5	10.9	13.7	19.7	15.4	17.7
7	---	---	---	16.4	12.9	14.5	17.0	11.9	14.5	20.5	16.3	18.6
8	---	---	---	13.3	10.4	11.9	17.9	13.9	15.7	21.1	17.0	19.3
9	---	---	---	12.0	8.7	10.4	18.3	13.6	15.9	21.7	18.4	20.1
10	---	---	---	12.4	8.2	10.2	16.3	12.6	14.8	21.8	18.6	20.2
11	---	---	---	12.5	7.6	10.2	16.5	14.0	15.4	21.6	19.1	20.4
12	---	---	---	13.3	9.2	11.2	16.0	14.0	15.1	21.1	19.3	20.0
13	---	---	---	13.4	8.9	11.1	14.5	11.8	13.7	21.4	19.8	20.5
14	---	---	---	14.6	10.5	12.6	14.1	10.5	12.1	20.8	19.3	20.0
15	---	---	---	15.8	13.2	14.4	16.0	10.6	13.3	21.7	18.8	20.3
16	---	---	---	17.1	13.9	15.1	17.2	11.9	14.7	21.3	18.8	20.1
17	---	---	---	15.4	11.7	13.5	18.4	13.3	15.9	21.1	18.9	20.0
18	---	---	---	13.9	10.5	12.4	19.4	14.4	17.0	20.7	19.2	19.9
19	---	---	---	16.7	11.2	13.9	19.8	15.5	17.7	21.8	19.5	20.6
20	---	---	---	17.0	12.4	14.7	19.7	16.3	18.0	22.6	19.5	21.1
21	---	---	---	16.1	11.9	14.6	18.9	16.3	17.7	23.3	20.1	21.8
22	---	---	---	13.0	9.1	11.0	19.8	15.9	17.9	23.1	20.7	21.9
23	---	---	---	12.5	7.3	10.0	20.0	16.4	18.3	---	---	---
24	---	---	---	14.2	8.4	11.3	20.6	16.8	18.8	22.9	20.1	21.6
25	---	---	---	16.3	10.4	13.3	20.3	17.5	19.1	23.8	20.8	22.3
26	---	---	---	18.1	12.5	15.2	19.3	17.1	18.4	23.9	21.2	22.6
27	---	---	---	18.5	13.3	16.0	17.8	15.1	16.5	23.8	21.2	22.5
28	---	---	---	19.6	14.1	16.9	17.1	13.1	15.3	23.3	21.3	22.3
29	---	---	---	19.1	15.7	17.2	17.9	14.3	16.1	22.3	21.1	21.7
30	---	---	---	18.7	15.2	16.7	18.1	16.9	17.5	23.5	20.6	22.1
31	---	---	---	15.8	12.2	14.3	---	---	---	22.7	21.1	22.0
MONTH	---	---	---	---	---	---	20.6	10.2	15.6	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335078 JOHNS CREEK AT BUICE ROAD, NEAR WARSAW, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340058 LONGITUDE 0841240 NAD27 DRAINAGE AREA 11.6 CONTRIBUTING DRAINAGE AREA 11.6 DATUM 880 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.6	20.0	20.8	24.3	21.7	22.7	25.3	23.3	24.4	23.2	22.4	22.8
2	21.8	19.1	20.5	24.0	22.9	23.4	25.8	23.8	24.7	22.8	22.2	22.4
3	21.7	19.1	20.6	24.2	22.5	23.3	25.4	23.0	24.4	22.4	21.6	22.0
4	22.7	20.0	21.2	24.7	22.4	23.6	25.6	23.4	24.6	22.4	21.0	21.8
5	21.4	18.9	20.3	25.2	23.0	24.1	24.8	23.0	24.0	22.8	21.2	22.0
6	22.0	19.3	20.7	25.2	22.9	24.0	24.5	22.8	23.7	22.4	21.6	22.0
7	22.7	20.0	21.2	24.8	22.2	23.5	22.8	20.6	21.7	22.8	21.9	22.3
8	22.5	21.6	22.0	25.0	22.5	23.8	22.2	19.4	20.9	22.7	21.8	22.3
9	22.9	21.4	22.0	24.8	22.5	23.8	21.7	19.5	20.8	22.9	21.1	22.0
10	24.2	21.8	22.9	25.0	22.8	23.9	21.5	20.4	21.0	23.4	22.0	22.7
11	24.8	22.3	23.5	25.5	22.9	24.2	22.3	19.8	21.2	22.9	21.5	22.3
12	25.0	22.4	23.8	25.5	23.2	24.4	23.5	21.3	22.5	22.6	21.2	21.9
13	24.5	22.9	23.6	26.0	23.4	24.7	22.1	20.2	21.2	21.9	20.9	21.4
14	24.3	23.0	23.6	25.8	23.1	24.5	21.5	19.0	20.4	21.3	19.9	20.7
15	24.2	23.0	23.6	25.2	23.7	24.4	22.5	20.4	21.4	20.9	20.2	20.6
16	25.0	23.4	24.2	24.0	21.9	23.1	23.0	21.4	22.1	22.7	20.8	21.6
17	25.2	23.1	24.2	24.7	22.6	23.5	23.3	21.1	22.3	22.5	21.5	22.0
18	25.3	23.3	24.3	25.1	23.4	24.3	23.3	21.4	22.4	21.5	20.2	20.9
19	25.9	23.5	24.6	24.3	22.4	23.4	23.6	21.1	22.5	20.3	18.2	19.2
20	25.2	22.8	24.1	23.9	21.6	22.9	23.6	21.8	22.8	18.7	17.2	18.1
21	24.4	23.1	23.8	24.2	21.8	23.1	23.5	22.4	22.9	18.8	16.7	17.8
22	24.4	22.7	23.7	24.4	22.2	23.4	23.6	22.0	22.9	19.0	16.2	17.8
23	24.6	23.0	23.6	25.5	22.9	24.3	23.7	22.3	23.0	19.9	16.8	18.5
24	23.4	22.3	22.9	25.8	23.4	24.7	23.4	21.8	22.7	20.7	18.4	19.6
25	24.2	22.5	23.3	25.1	24.0	24.6	24.1	22.2	23.1	20.7	18.9	19.9
26	23.7	22.5	23.1	25.1	23.1	24.1	24.2	22.8	23.5	20.3	18.4	19.6
27	24.1	22.3	23.1	24.3	23.2	23.7	24.1	22.4	23.4	20.4	19.5	19.8
28	24.0	22.6	23.1	25.2	23.0	24.0	24.6	22.8	23.8	21.2	20.1	20.6
29	23.7	21.8	22.8	24.3	22.9	23.6	24.2	23.0	23.6	20.6	19.3	20.0
30	23.2	22.3	22.6	25.4	23.6	24.5	24.3	22.4	23.4	20.0	18.1	19.1
31	---	---	---	24.9	23.6	24.3	24.3	22.5	23.4	---	---	---
MONTH	25.9	18.9	22.8	26.0	21.6	23.9	25.8	19.0	22.7	23.4	16.2	20.8

02335347 CROOKED CREEK TRIBUTARY No. 2, NEAR NORCROSS, GA

LOCATION.—Lat 33°57'24", long 84°14'43", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, at culvert on Holcomb Bridge Road near Norcross.

DRAINAGE AREA.—0.19 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-STAGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 930 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.58 feet, September 16, 2004

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.58 feet, September 16

2004 Water Year

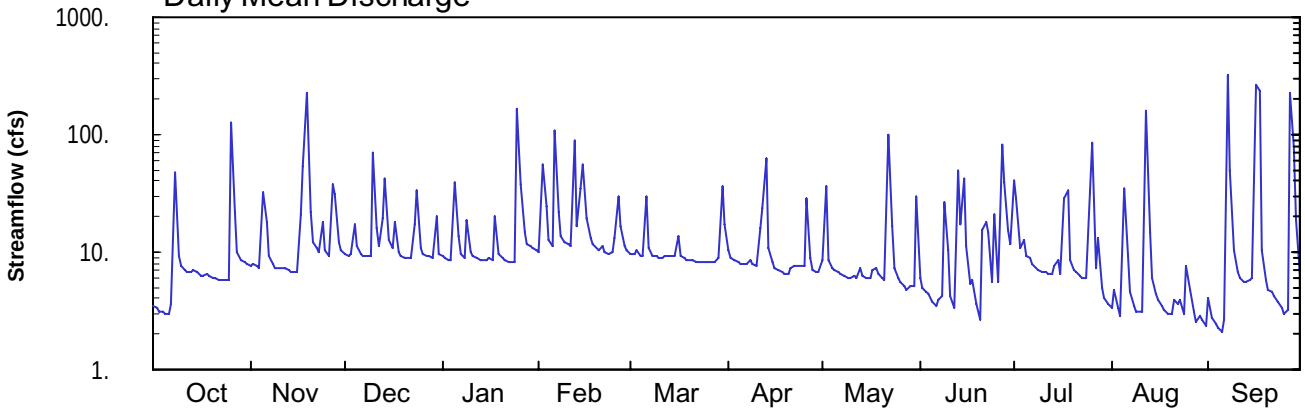
APALACHICOLA RIVER BASIN

02335350 CROOKED CREEK NEAR NORCROSS, GA

Latitude: 33°57'54" Longitude: 084°15'54" Hydrologic Unit Code: 03130001

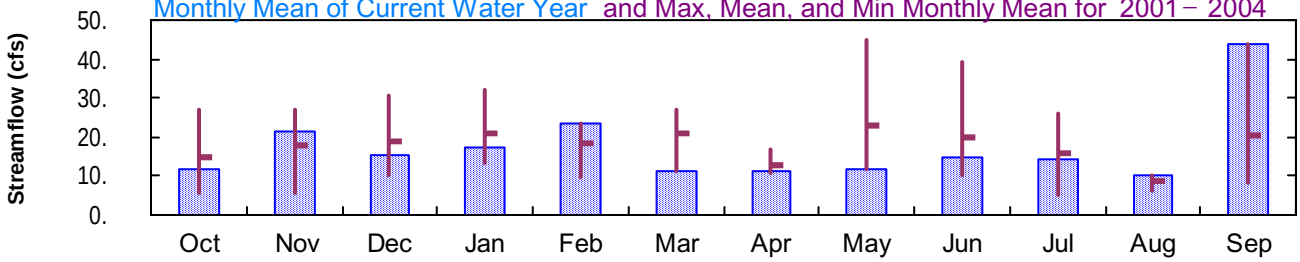
Gwinnett County Datum: 869.40 feet Drainage Area: 8.89 mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



APALACHICOLA RIVER BASIN
2004 Water Year

02335350 CROOKED CREEK NEAR NORCROSS, GA

LOCATION.—Lat 33°57'54", long 84°15'54", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of the bridge on Spalding drive, 3.2 miles northwest of Norcross, and 0.6 miles upstream from the Chattahoochee River.

DRAINAGE AREA.—8.89 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 20, 1996 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 869.40 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except periods of estimated record, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 20, 1996 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 869.40 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.76 feet, September 16; minimum gage-height recorded, 3.55 feet, September 25-27.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 23, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89* DATUM 869.40 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	7.7	9.7	9.1	9.9	9.8	10	8.5	6.0	41	3.4	4.1
2	3.3	8.0	9.3	8.9	55	9.7	8.9	36	4.9	28	4.8	2.7
3	3.1	7.6	9.6	8.7	24	11	8.4	8.5	4.6	11	3.3	2.5
4	3.1	7.4	17	8.5	12	9.3	8.2	7.4	4.4	13	2.9	2.2
5	3.0	33	11	39	11	9.2	8.0	6.9	3.8	9.3	36	2.1
6	3.0	18	9.7	14	108	30	8.0	6.9	3.5	8.8	9.3	2.6
7	3.7	9.3	9.4	9.6	22	11	8.0	6.6	4.0	7.9	4.5	323
8	47	7.8	9.4	9.0	14	9.3	8.5	6.3	4.2	7.3	3.5	50
9	9.4	7.4	9.2	19	12	9.3	7.9	6.1	26	7.1	3.1	10
10	7.7	7.4	71	10	12	9.0	7.7	6.1	11	6.9	3.0	6.7
11	7.1	7.4	16	9.1	11	9.0	16	6.2	4.3	6.7	3.1	6.0
12	6.9	7.3	11	8.8	89	9.2	23	6.1	3.4	6.5	161	5.6
13	6.7	7.1	20	8.6	17	9.3	64	7.2	49	6.5	15	5.6
14	6.9	6.8	42	8.5	35	9.3	11	6.2	17	e7.6	6.1	5.8
15	6.6	6.8	12	8.4	56	9.4	8.1	6.0	42	e8.5	4.5	5.9
16	6.2	6.7	11	9.0	19	14	7.4	6.0	11	6.6	4.0	e270
17	6.4	21	18	8.6	13	9.2	7.0	7.0	5.4	29	3.5	240
18	6.5	54	10	20	12	8.8	6.8	7.4	5.9	33	3.2	10
19	6.2	225	9.4	9.5	11	8.6	6.6	6.5	3.6	8.4	3.0	5.8
20	6.1	22	9.0	8.8	10	8.5	6.4	6.0	2.7	7.1	3.0	e4.8
21	6.0	12	8.9	8.4	11	8.7	7.4	5.8	15	6.8	4.0	e4.5
22	5.8	11	8.9	8.2	9.9	8.2	7.7	100	18	6.4	3.6	e4.2
23	5.9	10	17	8.2	9.8	8.2	7.6	17	15	6.1	3.9	e3.8
24	5.9	18	34	8.1	10	8.2	7.5	7.3	5.6	6.0	3.0	e3.4
25	5.8	10	11	169	13	8.2	7.6	6.1	21	32	7.5	e3.0
26	124	9.3	9.5	37	29	8.2	29	5.6	5.5	85	4.8	3.2
27	22	38	9.2	15	17	8.2	8.7	5.1	81	7.3	3.1	224
28	10	31	9.2	12	11	8.1	7.1	4.8	40	13	2.6	81
29	8.6	12	8.9	11	10	8.8	6.7	5.1	15	5.0	2.8	19
30	8.1	10	20	11	---	36	6.8	5.2	12	4.1	2.7	6.6
31	7.8	---	9.7	10	---	17	---	30	---	3.6	2.4	---
TOTAL	362.3	639.0	470.0	533.0	673.6	340.7	336.0	355.9	444.8	435.5	320.6	1318.1
MEAN	11.7	21.3	15.2	17.2	23.2	11.0	11.2	11.5	14.8	14.0	10.3	43.9
MAX	124	225	71	169	108	36	64	100	81	85	161	323
MIN	3.0	6.7	8.9	8.1	9.8	8.1	6.4	4.8	2.7	3.6	2.4	2.1
CFSM	1.31	2.40	1.71	1.93	2.61	1.24	1.26	1.29	1.67	1.58	1.16	4.94
IN.	1.52	2.67	1.97	2.23	2.82	1.43	1.41	1.49	1.86	1.82	1.34	5.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	14.9	18.0	18.7	20.8	18.4	20.7	12.9	22.9	19.8	15.6	8.59	20.6
MAX	27.3	27.0	30.7	31.9	23.2	27.2	16.7	44.8	39.0	26.0	10.5	43.9
(WY)	2003	2003	2003	2002	2004	2002	2003	2003	2003	2003	2003	2004
MIN	5.60	5.82	10.3	13.3	9.57	11.0	10.9	11.5	10.1	5.29	6.32	8.25
(WY)	2002	2002	2002	2003	2002	2004	2002	2004	2002	2002	2002	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	7691.0		6229.5			
ANNUAL MEAN	21.1		17.0		18.3	
HIGHEST ANNUAL MEAN					24.2	2003
LOWEST ANNUAL MEAN					13.7	2002
HIGHEST DAILY MEAN	433	May 6	323	Sep 7	433	May 6 2003
LOWEST DAILY MEAN	3.0	Sep 21	2.1	Sep 5	1.1	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	3.2	Sep 30	2.7	Aug 31	1.2	Aug 8 2002
MAXIMUM PEAK STAGE			13.76	Sep 16	13.76	Sep 16 2004
ANNUAL RUNOFF (CFSM)	2.37		1.91		2.06	
ANNUAL RUNOFF (INCHES)	32.18		26.07		27.95	
10 PERCENT EXCEEDS	37		32		35	
50 PERCENT EXCEEDS	9.7		8.5		8.1	
90 PERCENT EXCEEDS	4.1		3.6		3.4	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89* DATUM 869.40 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.66	3.70	3.80	3.77	3.80	3.80	3.83	3.81	3.90	4.34	3.69	3.72
2	3.65	3.72	3.78	3.76	4.40	3.80	3.76	4.36	3.85	4.25	3.76	3.64
3	3.64	3.70	3.79	3.75	4.20	3.83	3.74	3.81	3.83	3.83	3.68	3.62
4	3.64	3.69	4.04	3.74	3.90	3.78	3.73	3.76	3.81	3.86	3.65	3.60
5	3.64	4.09	3.86	4.26	3.86	3.77	3.72	3.74	3.78	3.77	4.15	3.59
6	3.63	4.04	3.80	3.94	5.08	4.19	3.72	3.73	3.77	3.76	3.96	3.63
7	3.67	3.78	3.78	3.79	4.16	3.84	3.72	3.72	3.79	3.71	3.75	6.97
8	4.40	3.71	3.78	3.77	3.95	3.78	3.74	3.70	3.80	3.68	3.69	4.65
9	3.78	3.69	3.77	4.04	3.88	3.78	3.72	3.69	4.10	3.67	3.67	4.04
10	3.70	3.69	4.77	3.81	3.87	3.77	3.70	3.69	4.04	3.66	3.67	3.88
11	3.68	3.69	4.01	3.77	3.85	3.76	3.93	3.70	3.81	3.65	3.67	3.83
12	3.66	3.69	3.85	3.75	4.99	3.77	3.94	3.69	3.76	3.64	5.46	3.79
13	3.66	3.67	4.01	3.74	4.03	3.78	4.72	3.75	4.59	3.64	4.12	3.77
14	3.66	3.66	4.44	3.74	4.37	3.78	3.91	3.69	4.15	---	3.84	3.76
15	3.65	3.66	3.90	3.74	4.62	3.78	3.79	3.68	4.34	---	3.75	3.75
16	3.63	3.65	3.84	3.76	4.09	3.93	3.76	3.68	4.07	3.65	3.72	6.97
17	3.63	4.04	4.03	3.75	3.92	3.78	3.74	3.74	3.87	4.04	3.69	6.18
18	3.64	4.28	3.82	4.08	3.87	3.75	3.73	3.75	3.88	4.23	3.68	3.92
19	3.62	6.08	3.78	3.79	3.84	3.75	3.72	3.71	3.77	---	3.66	3.72
20	3.62	---	3.77	3.75	3.83	3.74	3.71	3.68	3.71	3.67	3.66	3.94
21	3.61	3.89	3.76	3.74	3.86	3.75	3.76	3.67	4.00	3.66	3.72	4.86
22	3.60	3.84	3.76	3.73	3.81	3.73	3.78	4.74	4.09	3.63	3.70	4.89
23	3.60	3.81	3.89	3.73	3.80	3.73	3.77	4.21	4.05	3.62	3.71	4.89
24	3.60	4.02	4.28	3.72	3.81	3.73	3.77	3.97	3.88	3.61	3.66	4.64
25	3.60	3.82	3.83	5.82	3.90	3.73	3.77	3.91	4.12	3.87	3.84	3.62
26	5.21	3.78	3.79	4.40	4.28	3.73	4.22	3.88	3.87	4.88	3.77	3.57
27	4.13	4.24	3.77	3.98	4.04	3.73	3.82	3.85	4.65	3.90	3.66	5.63
28	3.81	4.32	3.77	3.88	3.86	3.72	3.74	3.84	4.45	4.02	3.63	4.97
29	3.74	3.89	3.76	3.86	3.82	3.75	3.72	3.85	3.98	3.78	3.65	4.10
30	3.72	3.82	4.06	3.85	---	4.29	3.73	3.86	3.86	3.73	3.63	3.76
31	3.71	---	3.79	3.82	---	3.99	---	4.29	---	3.70	3.61	---
MEAN	3.75	---	3.91	3.90	4.06	3.81	3.81	3.84	3.99	---	3.79	4.33
MAX	5.21	---	4.77	5.82	5.08	4.29	4.72	4.74	4.65	---	5.46	6.97
MIN	3.60	---	3.76	3.72	3.80	3.72	3.70	3.67	3.71	---	3.61	3.57

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89* DATUM 869.40 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.49	0.00	0.21	0.00	0.19
2	0.00	0.00	0.00	0.00	0.72	0.09	0.00	0.28	0.00	0.12	0.00	0.03
3	0.00	0.00	0.03	0.00	0.07	0.01	0.00	0.00	0.00	0.02	0.00	0.01
4	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00
5	0.00	0.51	0.01	0.49	0.01	0.00	0.00	0.00	0.00	0.00	0.76	0.00
6	0.03	0.14	0.00	0.00	0.93	0.39	0.00	0.00	0.00	0.03	0.00	0.08
7	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	3.74
8	0.50	0.00	0.00	0.04	0.00	0.00	0.07	0.00	0.02	0.00	0.00	0.12
9	0.00	0.00	0.00	0.25	0.00	0.02	0.00	0.00	0.64	0.00	0.00	0.00
10	0.01	0.00	0.76	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.16	0.00	0.26	0.28	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.73	0.00	0.62	0.07	0.00	0.00	2.20	0.00
13	0.00	0.00	0.38	0.00	0.00	0.00	0.46	0.00	1.81	0.00	0.00	0.00
14	0.07	0.00	0.24	0.00	0.37	0.00	0.00	0.00	0.02	---	0.00	0.00
15	0.00	0.00	0.00	0.00	0.42	0.00	0.01	0.00	0.47	---	0.01	0.00
16	0.00	0.01	0.10	0.00	0.00	0.13	0.00	0.07	0.05	0.00	0.00	4.20
17	0.02	0.47	0.12	0.24	0.04	0.00	0.00	0.04	0.00	1.12	0.00	0.04
18	0.00	1.40	0.01	0.11	0.00	0.00	0.00	0.17	0.19	0.00	0.00	0.00
19	0.00	1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00
21	0.00	0.00	0.00	0.00	0.07	0.03	0.00	0.00	0.86	0.00	0.13	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.14	0.00	0.05	0.00
23	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
24	0.00	0.27	0.01	0.00	0.03	0.00	0.00	0.00	0.05	0.13	0.00	0.00
25	0.00	0.00	0.00	2.01	0.15	0.00	0.00	0.00	0.14	1.62	0.04	0.00
26	1.71	0.00	0.00	0.01	0.41	0.00	0.68	0.00	0.07	0.15	0.00	0.00
27	0.02	0.77	0.00	0.00	0.03	0.00	0.01	0.00	0.88	0.00	0.00	3.10
28	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.04	0.41	0.01	0.04	0.00
29	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.08	0.00
30	0.00	0.00	0.22	0.00	---	0.67	0.00	0.00	0.05	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.22	---	0.91	---	0.00	0.00	---
TOTAL	2.40	4.94	2.76	3.15	4.16	1.56	2.12	3.03	6.39	---	3.51	11.51

APALACHICOLA RIVER BASIN
2004 Water Year

02335350 CROOKED CREEK NEAR NORCROSS, GA

LOCATION.—Lat 33°57'54", long 84°15'54", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of the bridge on Spalding drive, 3.2 miles northwest of Norcross, and 0.6 miles upstream from the Chattahoochee River.

DRAINAGE AREA.—8.89 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—March 23, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: March 23, 2001 to current year.
WATER TEMPERATURE: March 23, 2001 to current year.
TURBIDITY: March 23, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records are good, except for turbidity records, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 347 microsiemens, September 21, 2004; minimum recorded, 22 microsiemens, October 15, 2002.
WATER TEMPERATURE: Maximum recorded, 29.4°C, August 1, 2002; minimum recorded, 0.9°C, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, <2.0 NTU, on several days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 347 microsiemens, September 21; minimum recorded, 24 microsiemens, August 12 ,September 7.
WATER TEMPERATURE: Maximum recorded, 28.3°C, July 13; minimum recorded, 3.2°C, January 29.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	101	97	99	109	105	107	98	95	97	93	88	91
2	103	101	102	109	106	108	---	---	---	96	93	95
3	104	102	103	108	103	106	---	---	---	97	96	96
4	106	103	104	110	106	107	106	78	90	99	97	98
5	107	105	106	111	43	98	85	77	81	100	37	84
6	107	105	106	87	52	69	95	85	90	83	66	76
7	111	105	108	88	77	84	97	95	97	90	83	86
8	111	43	67	101	88	94	100	94	98	94	90	93
9	85	70	78	109	101	103	98	97	98	98	64	78
10	107	85	98	110	106	108	100	36	68	89	77	84
11	100	97	98	109	106	107	80	66	74	93	89	91
12	103	100	101	113	108	110	87	80	84	95	93	94
13	106	100	102	113	110	112	96	58	86	97	95	95
14	107	104	105	111	109	110	73	41	62	---	---	---
15	117	105	113	---	---	---	84	73	79	---	---	---
16	111	108	109	---	---	---	90	84	87	104	99	101
17	110	107	109	---	---	---	98	67	78	105	101	104
18	115	106	111	---	---	---	89	79	85	167	71	87
19	113	110	111	---	---	---	93	89	92	94	84	89
20	112	108	109	---	---	---	97	93	95	98	94	96
21	109	107	108	88	---	---	98	97	98	100	98	99
22	112	109	109	96	88	92	98	96	97	101	100	100
23	112	111	111	99	96	97	100	61	97	104	101	102
24	113	110	111	106	68	87	77	45	64	105	104	104
25	112	110	111	89	75	82	87	77	82	110	37	62
26	113	33	74	98	89	94	91	87	89	76	53	67
27	76	52	66	101	46	88	94	91	92	88	76	83
28	87	76	82	78	47	65	96	94	95	95	88	92
29	97	87	93	89	78	84	96	95	96	97	95	96
30	103	96	99	95	89	92	102	58	72	100	97	98
31	107	102	104	---	---	---	88	77	84	101	100	100
MONTH	117	33	100	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	102	100	102	102	97	99	90	68	81	114	106	108
2	105	39	89	102	100	102	101	90	97	111	42	65
3	76	58	71	112	101	105	107	101	104	91	76	85
4	90	76	84	106	102	103	110	105	107	98	91	95
5	96	90	92	106	105	106	109	104	107	107	98	101
6	97	33	71	107	58	86	110	106	108	108	103	106
7	82	63	74	96	86	92	112	105	109	124	106	115
8	89	82	86	102	96	99	111	106	109	132	105	115
9	94	89	92	103	101	102	111	102	107	111	105	107
10	98	94	95	106	103	105	112	105	108	111	106	109
11	99	98	99	107	104	105	114	69	91	113	106	110
12	101	36	62	106	104	105	97	48	87	114	107	109
13	83	69	77	107	105	106	74	36	60	118	109	114
14	85	55	71	107	105	106	87	74	82	112	106	108
15	80	42	66	107	105	107	97	87	92	111	105	107
16	82	66	75	122	87	100	---	---	---	111	107	109
17	92	82	88	97	88	92	---	---	---	112	107	109
18	98	92	95	104	97	102	---	---	---	116	100	105
19	100	98	98	106	104	105	---	---	---	109	102	104
20	101	99	100	112	105	108	---	---	---	105	100	103
21	109	98	102	111	107	109	---	---	---	109	104	107
22	100	98	99	109	106	108	110	106	108	108	48	87
23	103	100	101	110	107	109	112	107	110	85	63	75
24	107	103	104	112	109	111	114	108	111	95	85	90
25	112	93	104	112	109	111	114	109	111	102	95	99
26	210	82	107	112	109	111	---	61	---	106	102	103
27	87	82	85	113	109	112	94	---	---	109	104	106
28	93	83	89	115	110	113	101	94	98	107	104	106
29	97	92	95	115	109	112	105	101	103	107	104	106
30	---	---	---	112	57	78	107	104	106	263	106	172
31	---	---	---	96	66	85	---	---	---	146	44	83
MONTH	210	33	89	122	57	103	---	---	---	263	42	104

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	92	74	85	98	61	83	109	99	101	125	96	110
2	98	92	95	82	61	72	108	84	102	125	104	110
3	103	98	100	94	82	88	104	100	102	108	99	105
4	105	102	103	102	92	98	104	100	102	107	104	105
5	108	102	105	100	91	94	103	39	89	107	104	106
6	109	104	107	104	99	101	76	63	70	109	105	107
7	110	105	108	106	100	103	85	76	81	109	24	50
8	118	106	110	109	106	107	91	85	87	66	48	56
9	113	42	99	109	107	108	95	91	92	81	66	74
10	78	48	65	108	103	106	100	95	97	90	81	85
11	93	78	86	110	103	106	106	100	102	101	90	95
12	101	93	96	109	103	107	106	24	57	104	99	101
13	101	45	58	111	105	107	68	52	60	107	104	105
14	79	50	67	---	---	---	78	68	73	110	107	108
15	87	37	72	---	---	---	88	78	83	112	109	110
16	75	48	64	113	106	110	94	88	91	120	28	76
17	91	75	85	110	56	96	99	94	96	82	44	67
18	93	76	87	74	42	61	101	97	99	92	79	87
19	94	81	86	88	74	81	102	100	100	102	92	98
20	103	94	98	96	88	92	105	99	102	135	102	104
21	104	57	89	103	95	98	108	100	103	347	135	236
22	82	55	67	112	102	105	104	101	103	153	129	135
23	84	56	67	112	104	107	107	85	97	137	126	130
24	87	59	76	107	102	104	109	100	104	---	---	---
25	93	50	76	107	31	101	112	78	98	---	---	---
26	87	63	79	66	31	55	87	75	81	---	---	---
27	89	34	73	80	66	73	92	87	89	---	---	---
28	67	51	58	88	62	70	110	92	96	90	47	71
29	84	55	71	87	75	81	115	92	97	95	90	92
30	98	84	90	96	87	92	106	100	103	103	95	97
31	---	---	---	102	96	98	112	104	107	---	---	---
MONTH	118	34	84	---	---	---	115	24	92	---	---	---

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.9	14.3	16.1	17.5	13.2	15.1	10.0	6.8	8.2	9.0	5.7	7.3
2	18.1	13.5	15.4	17.7	13.5	15.3	---	---	---	10.0	7.4	8.7
3	16.9	13.0	14.7	17.5	13.3	15.2	---	---	---	12.5	9.4	10.9
4	18.1	13.5	15.5	17.3	15.0	16.2	8.1	7.1	7.4	13.8	11.2	12.5
5	18.4	14.3	16.2	21.0	16.9	18.3	8.1	7.2	7.7	14.4	11.7	13.7
6	18.4	16.2	17.2	20.8	19.5	20.0	8.4	7.0	7.6	11.7	6.5	9.0
7	18.9	17.0	17.8	20.2	17.7	19.0	8.6	5.8	7.0	6.5	4.4	5.3
8	19.8	17.7	18.8	17.7	16.1	16.7	9.3	5.5	7.0	5.5	3.7	4.7
9	19.5	18.4	18.9	17.0	14.0	15.5	9.1	6.4	7.7	6.4	5.4	5.9
10	19.3	18.3	18.6	14.9	12.3	13.3	11.7	8.8	10.2	6.5	5.0	5.9
11	18.4	17.7	18.1	15.2	11.4	13.1	8.8	7.1	8.0	6.7	3.9	5.1
12	20.9	17.5	18.8	---	---	---	8.3	6.1	7.2	7.5	3.9	5.5
13	20.8	16.8	18.7	15.6	11.0	13.6	7.6	6.4	7.0	8.9	5.7	7.0
14	20.2	17.1	18.8	12.2	9.2	10.6	7.2	6.0	6.7	---	6.2	---
15	18.6	15.1	16.5	---	---	---	8.6	6.3	7.3	10.5	---	---
16	17.5	12.9	15.0	---	---	---	9.4	6.2	7.7	9.3	6.2	7.6
17	14.9	12.7	14.0	---	---	---	9.4	7.0	8.5	7.8	6.2	7.1
18	17.0	12.6	14.5	17.3	15.3	16.1	8.2	5.8	7.0	9.6	7.6	8.7
19	17.2	12.5	14.6	---	---	---	8.4	6.1	7.1	9.2	5.8	7.9
20	17.7	12.9	15.1	---	---	---	7.0	4.8	5.7	7.2	4.2	5.5
21	18.2	13.4	15.8	14.6	11.8	13.1	6.5	3.6	4.9	6.9	3.9	5.2
22	18.4	14.6	16.3	14.3	11.3	12.7	7.2	3.9	5.4	7.8	4.2	5.8
23	17.5	13.3	15.3	14.3	11.3	12.8	10.3	5.1	7.0	7.3	4.2	5.6
24	17.3	13.1	15.0	14.2	11.2	13.2	10.6	7.1	9.3	8.5	4.1	6.1
25	17.6	14.0	15.5	11.3	9.0	10.2	7.3	5.5	6.4	9.1	5.3	7.4
26	17.8	15.5	16.6	11.3	8.3	9.7	7.6	4.7	6.0	6.0	5.5	5.8
27	17.5	15.1	16.8	12.6	10.3	11.3	7.9	4.7	6.2	7.4	5.3	6.3
28	15.1	13.3	14.1	13.4	10.2	12.5	7.8	5.0	6.3	6.5	3.7	5.0
29	16.1	12.6	14.1	10.2	7.7	8.9	9.7	6.3	7.8	6.5	3.2	4.8
30	16.4	12.2	14.1	9.3	6.4	7.8	10.4	7.8	9.4	8.1	5.0	6.3
31	17.0	12.8	14.7	---	---	---	8.8	6.0	7.3	7.9	4.8	6.2
MONTH	20.9	12.2	16.2	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.2	4.7	6.2	14.4	8.5	11.1	14.7	10.6	12.3	19.8	17.1	18.1
2	6.5	3.8	5.5	16.3	12.5	14.0	15.8	10.2	12.7	20.1	16.9	18.8
3	7.7	4.2	5.9	17.0	13.8	15.0	18.0	11.1	14.1	18.2	14.2	16.0
4	7.4	5.0	6.1	16.9	14.1	15.3	17.2	11.4	13.9	18.7	12.3	15.0
5	6.7	6.3	6.5	16.8	14.5	15.6	17.0	10.4	13.3	20.4	13.0	16.2
6	7.4	5.9	6.7	18.1	15.3	16.5	18.1	11.0	14.2	22.2	15.0	18.1
7	7.2	5.4	6.3	17.5	13.1	14.9	18.1	11.9	14.7	23.0	16.0	19.0
8	7.6	4.5	5.9	14.9	10.7	12.4	18.9	14.1	15.9	23.8	16.6	19.8
9	7.3	5.5	6.2	13.0	9.2	10.9	19.9	13.5	16.2	23.5	17.8	20.3
10	7.8	6.0	6.9	13.7	8.5	10.7	17.5	12.6	15.0	23.1	18.0	20.2
11	8.8	7.4	8.1	14.0	7.8	10.7	16.5	14.0	15.4	23.0	18.6	20.3
12	8.5	6.5	7.3	14.9	9.3	11.7	16.8	14.2	15.6	21.9	18.7	19.9
13	9.3	6.3	7.9	14.9	9.1	11.6	14.9	12.3	14.1	22.0	19.1	20.1
14	9.0	8.2	8.6	15.7	10.5	12.9	15.2	11.0	12.6	21.8	18.5	19.8
15	9.0	8.0	8.6	16.4	13.1	14.6	11.6	10.6	13.7	23.4	18.2	20.5
16	8.0	7.1	7.6	17.0	13.9	15.1	18.9	---	---	21.9	18.3	20.0
17	8.3	6.9	7.5	17.0	12.0	14.0	---	---	---	22.1	18.3	19.8
18	10.3	6.2	8.0	14.5	10.8	12.7	---	---	---	22.1	18.8	19.9
19	10.6	6.0	8.2	18.2	11.3	14.3	21.7	---	---	23.5	18.9	20.9
20	10.4	7.2	8.9	18.0	12.4	15.0	---	---	---	25.1	19.0	21.6
21	13.2	9.8	11.0	17.7	12.1	15.1	20.6	---	---	25.4	19.6	22.2
22	12.2	8.0	9.9	14.8	9.5	11.6	22.1	15.6	18.4	22.9	20.2	21.5
23	9.7	8.2	9.0	14.2	7.7	10.6	21.9	16.2	18.8	24.4	21.5	22.7
24	10.6	9.4	9.9	15.6	8.6	11.7	22.4	16.5	19.2	23.8	20.3	21.8
25	10.3	8.6	9.7	17.2	10.3	13.4	22.2	17.1	19.1	24.9	20.6	22.5
26	8.6	5.7	6.4	19.4	12.4	15.4	19.1	---	---	25.4	20.9	22.8
27	7.6	5.8	6.6	19.1	13.2	15.9	20.1	---	---	25.3	20.9	22.7
28	10.7	5.6	7.8	20.6	13.8	16.8	20.0	13.3	16.2	25.0	21.0	22.6
29	10.8	6.4	8.5	19.8	15.8	17.2	19.4	14.2	16.6	23.0	21.0	21.8
30	---	---	---	18.6	15.3	16.6	18.3	16.6	17.4	25.2	20.4	22.5
31	---	---	---	16.4	12.3	14.4	---	---	---	22.7	20.9	22.0
MONTH	13.2	3.8	7.6	20.6	7.7	13.8	---	---	---	25.4	12.3	20.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.4	20.2	21.2	24.9	22.0	23.3	27.6	22.7	24.8	23.4	21.8	22.7
2	22.8	19.1	20.7	24.4	22.8	23.6	27.0	23.2	24.8	22.8	21.8	22.2
3	22.7	18.8	20.7	25.8	22.6	23.8	27.9	22.9	25.1	23.3	21.4	22.2
4	24.8	19.6	21.7	25.8	22.1	23.5	27.9	23.0	25.1	23.7	20.7	22.1
5	23.6	18.7	20.9	27.1	22.7	24.5	26.0	22.8	24.4	24.3	20.9	22.5
6	24.0	19.4	21.4	27.3	22.4	24.0	26.2	22.6	24.4	22.9	21.4	22.2
7	21.9	19.9	20.8	26.6	21.7	23.8	25.3	20.8	22.6	23.4	21.7	22.6
8	22.5	19.9	20.9	26.9	21.9	24.0	24.8	19.3	21.7	23.1	21.9	22.6
9	22.9	20.3	21.3	26.1	21.9	23.8	23.4	19.3	21.2	24.2	21.1	22.3
10	25.9	21.9	23.4	27.4	22.1	24.3	21.7	20.0	20.9	24.0	20.9	22.0
11	26.5	21.6	23.7	28.1	22.4	24.8	24.4	19.4	21.7	23.9	20.4	21.8
12	27.8	21.8	24.4	27.5	22.6	24.7	23.8	21.0	22.7	23.7	20.2	21.7
13	24.9	23.5	24.2	28.3	23.0	25.1	23.5	20.5	22.1	22.2	20.3	21.1
14	25.8	23.5	24.2	28.2	22.7	24.8	23.0	19.0	20.8	22.2	19.3	20.7
15	25.0	23.0	24.0	27.3	---	---	24.0	19.8	21.5	21.2	19.9	20.5
16	26.3	23.8	24.7	26.1	20.9	23.3	24.1	20.9	22.1	23.2	20.6	21.7
17	26.7	23.1	24.5	26.0	22.1	23.7	24.6	20.5	22.3	22.8	21.5	22.2
18	26.3	22.8	24.3	26.9	23.6	24.8	25.0	20.8	22.7	22.5	20.0	21.1
19	28.0	23.2	25.0	26.9	22.1	23.9	25.4	20.7	22.8	21.3	18.1	19.6
20	27.7	22.4	24.5	26.3	21.1	23.4	24.6	21.2	22.8	20.3	17.1	18.6
21	25.0	22.7	23.7	26.9	21.3	23.7	24.4	21.7	22.7	19.9	17.0	18.2
22	25.8	22.6	24.1	26.6	21.7	23.9	25.7	21.8	23.4	19.7	16.7	17.9
23	25.8	23.5	24.3	28.0	22.3	24.7	25.2	22.2	23.4	19.4	17.1	18.0
24	24.1	22.7	23.5	28.0	22.7	24.9	24.9	21.6	23.1	---	---	---
25	24.9	22.2	23.5	26.3	23.0	24.4	24.0	22.1	22.8	---	---	---
26	25.1	22.6	23.6	25.9	23.2	24.6	25.5	22.2	23.5	---	---	---
27	24.5	22.0	23.2	25.2	23.3	24.0	25.8	21.6	23.4	---	---	---
28	24.0	22.8	23.4	26.5	22.8	24.3	25.9	22.0	23.8	21.4	20.2	20.7
29	24.2	22.1	23.1	25.1	22.5	23.5	24.9	22.4	23.6	21.2	19.2	20.1
30	23.7	22.0	22.6	26.2	22.8	24.2	25.8	21.9	23.6	21.0	18.0	19.3
31	---	---	---	26.2	22.8	24.2	26.2	22.1	23.8	---	---	---
MONTH	28.0	18.7	23.1	28.3	---	---	27.9	19.0	23.0	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18	<5.0	<5.0	9.6	<5.0	<5.0	9.6	<5.0	5.4	66	<5.0	<5.0
2	8.9	<5.0	<5.0	10	<5.0	<5.0	---	---	---	4.7	<5.0	<5.0
3	18	<5.0	5.4	16	<5.0	<5.0	---	---	---	6.9	<5.0	<5.0
4	44	<5.0	<5.0	8.8	<5.0	<5.0	27	5.8	14	13	<5.0	<5.0
5	11	<5.0	<5.0	363	<5.0	5.4	14	<5.0	8.2	608	<5.0	12
6	7.2	<5.0	<5.0	72	13	20	6.7	<5.0	<5.0	42	8.5	14
7	8.4	<5.0	5.2	17	<5.0	6.7	6.6	<5.0	<5.0	12	<5.0	6.1
8	958	<5.0	47	10	<5.0	<5.0	227	<5.0	6.9	5.7	<5.0	<5.0
9	132	7.9	29	11	<5.0	<5.0	15	<5.0	<5.0	41	<5.0	12
10	17	6.7	8.3	13	<5.0	<5.0	767	<5.0	71	12	<5.0	5.2
11	9.3	<5.0	5.6	19	<5.0	<5.0	37	11	17	7.8	<5.0	<5.0
12	13	<5.0	<5.0	6.3	<5.0	<5.0	16	5.4	7.8	7.2	<5.0	<5.0
13	74	<5.0	5.4	9.5	<5.0	<5.0	105	5.3	6.4	---	---	---
14	9.1	<5.0	<5.0	---	---	---	485	12	30	---	---	---
15	8.6	<5.0	6.6	---	---	---	13	6.6	8.8	---	---	---
16	7.6	<5.0	<5.0	---	---	---	11	<5.0	6.0	23	<5.0	9.7
17	8.3	<5.0	<5.0	---	---	---	53	8.2	12	9.9	<5.0	<5.0
18	5.4	<5.0	<5.0	---	---	---	9.7	<5.0	5.7	132	6.7	16
19	15	<5.0	<5.0	---	---	---	8.5	<5.0	<5.0	19	<5.0	5.2
20	10	<5.0	<5.0	---	---	---	26	<5.0	5.2	16	<5.0	<5.0
21	12	<5.0	<5.0	18	10	12	13	<5.0	5.4	15	<5.0	<5.0
22	6.4	<5.0	<5.0	14	7.0	8.3	---	---	---	12	<5.0	<5.0
23	6.3	<5.0	<5.0	11	6.0	7.0	---	---	---	---	---	---
24	9.6	<5.0	<5.0	67	6.1	19	198	9.9	20	---	---	---
25	5.7	<5.0	<5.0	21	6.7	8.8	15	5.1	6.8	470	<5.0	152
26	1110	<5.0	146	18	5.0	6.3	6.9	<5.0	<5.0	78	16	28
27	117	18	27	296	<5.0	8.3	5.9	<5.0	<5.0	16	9.2	12
28	18	8.2	11	92	13	25	6.5	<5.0	<5.0	16	6.1	7.7
29	15	5.9	7.6	15	7.1	9.4	18	<5.0	<5.0	11	<5.0	5.6
30	8.1	<5.0	5.2	9.4	5.1	6.7	169	<5.0	20	8.9	<5.0	5.0
31	20	<5.0	<5.0	---	---	---	8.4	<5.0	6.0	6.1	<5.0	<5.0
MAX	1110	18	146	---	---	---	---	---	---	---	---	---
MIN	5.4	5.0	5.0	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	14	<5.0	6.0	5.6	<5.0	<5.0	36	<5.0	11	22	<5.0	5.2
2	866	<5.0	8.4	16	<5.0	<5.0	21	<5.0	<5.0	269	9.1	28
3	108	15	32	12	<5.0	5.6	6.7	<5.0	<5.0	16	<5.0	5.6
4	18	8.0	14	17	<5.0	<5.0	6.8	<5.0	<5.0	7.9	<5.0	<5.0
5	8.3	5.1	6.1	8.6	<5.0	<5.0	5.3	<5.0	<5.0	7.9	<5.0	<5.0
6	762	5.2	65	431	<5.0	21	6.9	<5.0	<5.0	6.4	<5.0	<5.0
7	50	16	24	13	<5.0	7.3	4.2	<5.0	<5.0	12	<5.0	5.3
8	16	9.3	11	8.3	<5.0	<5.0	6.7	<5.0	<5.0	7.4	<5.0	6.2
9	53	7.1	9.2	17	<5.0	5.0	6.3	<5.0	<5.0	6.7	<5.0	<5.0
10	31	6.1	7.1	9.2	<5.0	<5.0	5.7	<5.0	<5.0	10	<5.0	<5.0
11	8.5	5.1	6.2	8.7	<5.0	<5.0	135	<5.0	12	12	<5.0	<5.0
12	476	7.1	53	6.2	<5.0	<5.0	>2200	<5.0	<5.0	7.1	<5.0	<5.0
13	27	9.7	15	11	<5.0	<5.0	898	19	61	12	<5.0	<5.0
14	91	9.3	42	23	<5.0	6.3	19	7.3	11	6.0	<5.0	<5.0
15	418	16	58	21	<5.0	5.5	9.4	<5.0	5.6	9.6	<5.0	<5.0
16	58	11	25	32	<5.0	14	5.7	<5.0	<5.0	5.5	<5.0	<5.0
17	25	7.3	9.4	9.2	<5.0	5.6	---	---	---	10	<5.0	5.5
18	8.6	5.9	7.3	7.5	<5.0	<5.0	---	---	---	12	<5.0	6.0
19	8.2	5.2	6.2	6.2	<5.0	<5.0	---	---	---	7.4	<5.0	5.3
20	7.1	<5.0	5.6	7.9	<5.0	<5.0	---	---	---	7.1	<5.0	<5.0
21	17	<5.0	7.0	8.9	<5.0	<5.0	---	---	---	6.1	<5.0	<5.0
22	9.5	<5.0	5.4	---	---	---	<5.0	<5.0	<5.0	---	---	---
23	6.9	<5.0	<5.0	---	---	---	5.9	<5.0	<5.0	---	---	---
24	7.6	<5.0	<5.0	6.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	---	---
25	58	<5.0	5.3	5.8	<5.0	<5.0	<5.0	<5.0	<5.0	14	6.4	8.7
26	101	17	35	6.3	<5.0	<5.0	---	---	---	9.9	5.1	6.2
27	30	8.7	13	7.1	<5.0	<5.0	---	<5.0	---	12	<5.0	5.8
28	10	5.2	6.6	8.6	<5.0	<5.0	8.5	<5.0	<5.0	8.0	<5.0	5.3
29	7.7	<5.0	<5.0	8.6	<5.0	5.1	4.4	<5.0	<5.0	9.9	<5.0	5.2
30	---	---	---	245	6.6	27	5.1	<5.0	<5.0	8.3	<5.0	5.1
31	---	---	---	80	5.6	10	---	---	---	655	<5.0	33
MAX	866	17	65	---	---	---	---	---	---	---	---	---
MIN	6.9	5.0	5.0	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20	6.0	8.6	>2200	19	90	11	<5.0	<5.0	34	<5.0	6.9
2	12	<5.0	5.1	348	17	36	52	<5.0	5.8	5.8	<5.0	<5.0
3	6.4	<5.0	<5.0	17	6.3	8.5	22	<5.0	6.3	9.6	<5.0	<5.0
4	10	<5.0	<5.0	204	<5.0	6.3	8.0	<5.0	<5.0	11	<5.0	<5.0
5	17	<5.0	5.0	31	5.1	7.2	1460	<5.0	5.7	6.1	<5.0	<5.0
6	8.8	<5.0	<5.0	26	<5.0	5.2	65	9.1	15	6.5	<5.0	<5.0
7	21	<5.0	<5.0	11	<5.0	5.5	11	<5.0	7.7	1150	<5.0	214
8	11	<5.0	5.9	6.3	<5.0	<5.0	10	<5.0	5.7	112	28	47
9	714	<5.0	6.3	10	<5.0	<5.0	7.3	<5.0	<5.0	37	14	22
10	142	12	21	6.5	<5.0	<5.0	6.3	<5.0	<5.0	27	8.1	12
11	14	5.6	8.1	7.4	<5.0	<5.0	8.7	<5.0	5.0	12	5.4	7.6
12	9.4	<5.0	5.2	<5.0	<5.0	<5.0	>2200	5.1	111	7.6	<5.0	<5.0
13	1030	<5.0	83	14	<5.0	<5.0	47	19	24	19	<5.0	<5.0
14	205	9.2	17	---	---	---	32	10	14	7.7	<5.0	<5.0
15	1020	5.5	8.9	---	---	---	14	8.3	11	8.9	<5.0	<5.0
16	78	13	22	116	<5.0	5.8	13	5.1	7.2	>2200	<5.0	161
17	21	7.6	9.9	---	---	---	10	<5.0	5.2	546	61	159
18	60	6.7	12	---	---	---	13	<5.0	<5.0	69	23	34
19	15	<5.0	6.8	---	---	---	7.4	<5.0	<5.0	---	---	---
20	9.8	<5.0	<5.0	11	<5.0	5.4	8.3	<5.0	<5.0	---	---	---
21	348	<5.0	12	9.1	<5.0	<5.0	12	<5.0	6.1	---	---	---
22	328	9.6	29	15	<5.0	<5.0	12	<5.0	<5.0	---	---	---
23	262	8.8	19	18	<5.0	<5.0	126	<5.0	13	---	---	---
24	54	9.9	14	74	<5.0	<5.0	8.2	<5.0	<5.0	---	---	---
25	642	6.2	11	>2200	<5.0	<5.0	105	<5.0	<5.0	---	---	---
26	35	7.9	17	1310	19	41	33	5.0	10	---	---	---
27	1640	<5.0	7.9	25	9.0	13	6.5	<5.0	<5.0	---	---	---
28	600	33	76	257	10	36	5.2	<5.0	<5.0	335	29	50
29	90	11	22	19	6.0	9.6	103	<5.0	7.1	31	15	20
30	38	6.3	10	9.4	<5.0	5.5	7.2	<5.0	<5.0	15	9.5	12
31	---	---	---	10	<5.0	5.0	11	<5.0	5.4	---	---	---
MAX	1640	33	83	---	---	---	2200	19	111	---	---	---
MIN	6.4	5.0	5.0	---	---	---	5.2	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

APALACHICOLA RIVER BASIN
2004 Water Year

02335350 CROOKED CREEK NEAR NORCROSS, GA

LOCATION.—Lat 33°57'54", long 84°15'54", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of the bridge on Spalding Drive, 3.2 miles Northwest of Norcross, and 0.6 miles upstream from the Chattahoochee River.

DRAINAGE AREA.—8.89 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 16, 1976 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)
OCT													
02...	0800	--	9	81213	3.4	3.66	--	--	4.5	--	<5	8.00	28
NOV													
13...	1050	--	9	81213	7.0	3.68	3.6	--	3.8	1.0	<5	10.0	36
NOV													
17-17	0453	0812	J	81213	--	--	--	--	46	8.6	45	6.90	24
JAN													
05-05	1501	1647	J	81213	--	--	--	--	460	4.6	13	5.40	18
MAR													
10...	1305	--	9	81213	8.7	3.76	--	--	4.7	.9	<5	9.40	34
24...	1535	--	9	81213	8.0	3.73	--	--	5.4	<.1	5	9.70	35
APR													
26-26	0840	1345	J	81213	--	--	--	--	70	7.5	40	7.20	25
MAY													
27...	0800	--	9	81213	5.2	3.86	--	--	6.3	.6	5	9.60	33
JUN													
21-21	1533	1901	J	81213	--	--	--	--	180	E1.7	--	5.90	20
JUL													
08...	1255	--	9	81213	7.4	3.69	--	--	5.7	.9	<5	8.80	31
AUG													
05-05	1835	1845	J	80855	162	5.93	--	290	490	8.0	23	3.40	20
AUG													
12-12	0500	0647	J	80855	--	--	--	490	800	17.0	E15	2.80	20

02335350 CROOKED CREEK NEAR NORCROSS, GA —continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Loss on ig-nition, from ROE, wat unf mg/L (00505)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)
OCT													
02...	2.00	--	--	70	3	2	.41	.410	A.036	<.20	<.02	<.02	<.5
NOV													
13...	2.60	--	--	74	2	1	.37	.380	A.089	<.20	<.02	.02	<.5
NOV													
17-17	1.70	--	--	66	70	23	.50	.490	.210	.80	<.02	.08	<.5
JAN													
05-05	1.20	--	--	42	543	60	.27	.270	A.073	1.9	<.02	.40	.6
MAR													
10...	2.60	--	--	82	<1	<1	.38	.380	A.019	.40	<.02	<.02	<.5
24...	2.70	--	--	75	2	1	.31	.300	A.025	<.20	<.02	<.02	<.5
APR													
26-26	1.70	--	--	58	98	18	.56	.560	A.285	1.3	.03	.16	<.5
MAY													
27...	2.30	--	--	55	2	<1	.36	.350	A.124	.40	<.02	.04	<.5
JUN													
21-21	1.30	2.30	--	58	242	32	.41	.410	A.137	1.5	<.02	.23	<.5
JUL													
08...	2.10	--	--	65	3	1	.39	.400	A.070	.20	<.02	.03	<.5
AUG													
05-05	.66	2.4	48	39	450	56	.450	.430	.330	1.1	E.027	.140	<5
AUG													
12-12	.58	1.7	--	43	1400	140	.310	.250	.160	2.0	E.026	<.050	<5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT							
02...	<1	<2	<2	261	5	--	10
NOV							
13...	<1	<2	<2	210	8	--	4
NOV							
17-17	2	4	<2	436	41	23	1690
JAN							
05-05	12	18	19	1090	148	62	886
MAR							
10...	<1	<2	<2	237	10	--	2
24...	<1	<2	<2	204	6	--	4
APR							
26-26	3	8	4	680	49	28	141
MAY							
27...	<1	2	<2	270	6	--	4
JUN							
21-21	5	8	8	536	69	39	299
JUL							
08...	<1	<2	<2	174	5	--	3
AUG							
05-05	17	20	M	640	110	--	--
AUG							
12-12	E6	20	M	1400	160	52	2350

02335350 CROOKED CREEK NEAR NORCROSS, GA —continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT												
02...	0804	9	2.00	3.4	3.66	88	9.0	6.7	106	13.3	9.3	--
02...	0805	9	5.00	3.4	3.66	89	9.0	6.7	106	13.5	9.4	--
02...	0806	9	8.00	3.4	3.66	89	9.0	6.7	106	13.5	4.6	--
NOV												
13...	1050	9	2.00	7.0	3.68	98	10.3	6.2	110	13.2	3.6	4
17...	0802	J	2.00	41	4.51	120	12.0	6.0	67	15.4	44	--
17...	0803	J	5.00	41	4.51	120	12.0	6.1	67	15.4	40	--
17...	0805	J	8.00	41	4.51	118	11.8	6.1	67	15.3	66	--
JAN												
06...	1110	J	15.0	13	3.93	87	9.9	6.5	79	8.8	14	--
06...	1111	J	10.0	13	3.93	87	9.9	6.4	79	8.8	21	--
06...	1112	J	5.00	13	3.93	86	9.9	6.3	79	8.8	25	--
MAR												
10...	1312	9	1.00	8.9	3.77	107	11.2	7.1	104	12.4	4.8	--
10...	1313	9	4.00	8.9	3.77	107	11.2	7.1	104	12.4	4.8	--
10...	1314	9	7.00	8.9	3.77	107	11.2	7.1	103	12.4	4.8	--
24...	1546	9	3.00	8.0	3.73	108	10.7	7.2	109	15.5	5.5	--
24...	1547	9	6.00	8.0	3.73	108	10.7	7.2	109	15.5	6.4	--
24...	1548	9	9.00	8.0	3.73	108	10.7	7.2	109	15.5	7.1	--
APR												
26...	1444	J	30.0	70	4.88	82	7.4	7.3	64	19.0	50	--
26...	1445	J	20.0	70	4.88	79	7.4	7.1	64	19.0	47	--
26...	1446	J	10.0	70	4.88	81	7.5	7.1	64	19.0	52	--
MAY												
27...	0804	9	2.50	5.2	3.86	78	7.0	6.6	111	20.9	5.6	--
27...	0805	9	6.50	5.2	3.86	77	6.9	6.6	111	20.9	5.6	--
27...	0806	9	10.5	5.2	3.86	77	6.9	6.6	111	20.9	8.4	--
JUN												
22...	0740	J	8.00	4.7	3.83	79	6.9	6.8	71	22.6	26	--
22...	0741	J	16.0	4.7	3.83	79	6.8	6.8	71	22.6	21	--
22...	0742	J	24.0	4.7	3.83	79	6.8	6.8	70	22.6	19	--
JUL												
08...	1302	9	2.00	7.4	3.69	95	7.6	7.0	91	25.2	3.3	--
08...	1303	9	4.00	7.4	3.69	95	7.6	7.0	91	25.3	3.4	--
08...	1304	9	7.00	7.4	3.69	95	7.6	7.0	91	25.3	3.0	--

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

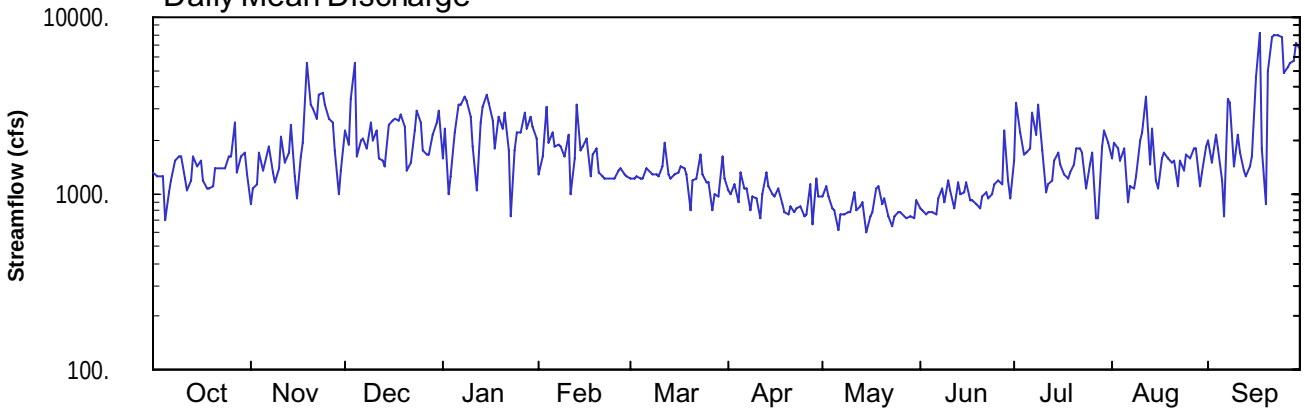
APALACHICOLA RIVER BASIN

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA

Latitude: 33°59'09" Longitude: 084°18'58" Hydrologic Unit Code: 03130001

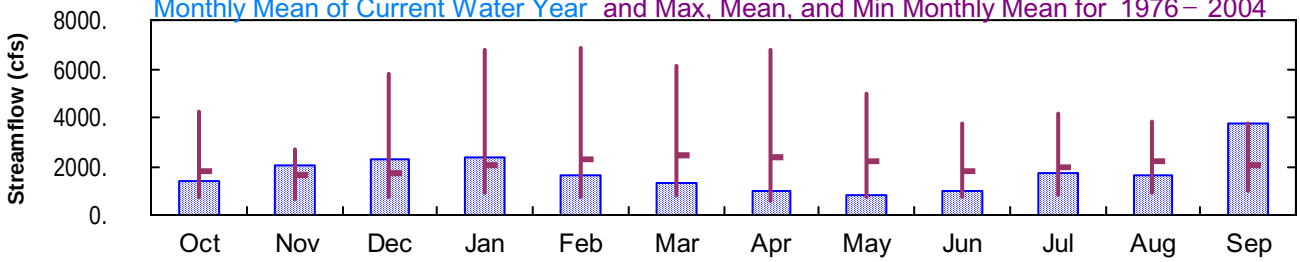
Fulton County Datum: 858.01 feet Drainage Area: 1220. mi²

Daily Mean Discharge

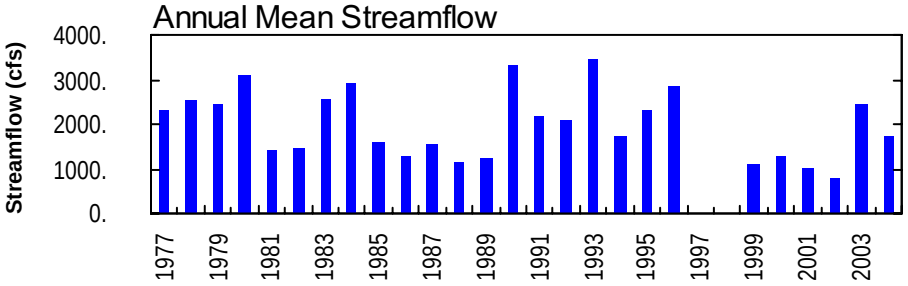


Monthly Statistics

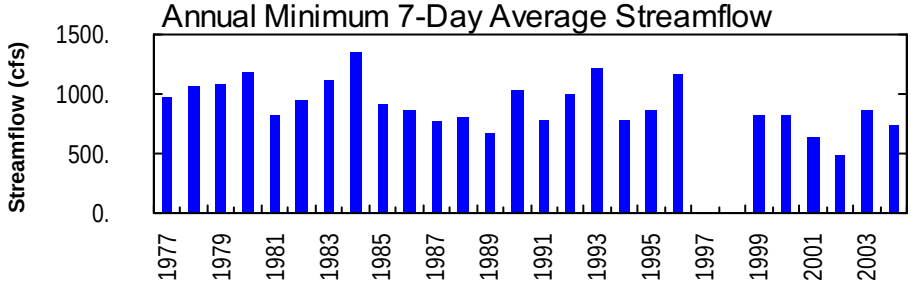
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1976 – 2004



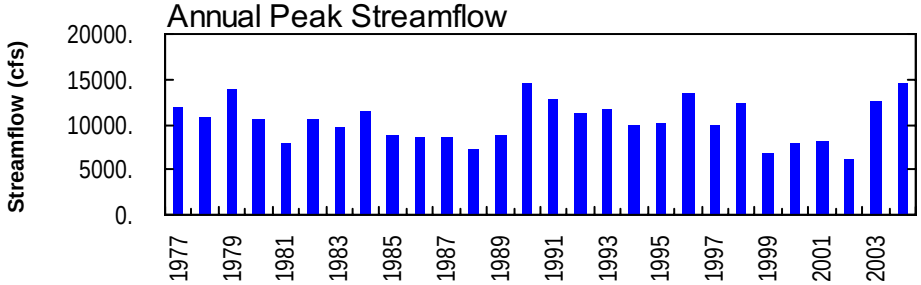
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02335450 - Chattahoochee River above Roswell, GA

APALACHICOLA RIVER BASIN
2004 Water Year

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA

LOCATION.—Lat 33°59'09", long 84°18'58", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130001, on right bank at Eves Road, 3.3 miles upstream from Big Creek, and 2.2 miles upstream from GA 400, 3.6 miles southeast of Roswell, and at mile 320.6.

DRAINAGE AREA.—1,220 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1941 to May 1960 (published as 02335500, Chattahoochee River "near Roswell"), July 1976 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 858.01 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to July 7, 1976, at site 1.8 miles downstream at datum 8.51 feet lower.

REMARKS.—Records good, except for periods of estimated discharge and from September 17-30, which are fair. Flow regulated by Lake Sidney Lanier since January 1956. Statistics prior to regulation are available upon request.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1941 to May 1960 (published as 02335500, Chattahoochee River "near Roswell"), July 1976 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 858.01 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to July 7, 1976, at site 1.8 miles downstream at datum 8.51 feet lower.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.94 feet, September 17; minimum gage-height recorded, 2.69 feet, May 29.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335909 LONGITUDE 0841858 NAD27 DRAINAGE AREA 1220.00* CONTRIBUTING DRAINAGE AREA DATUM 858.01 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1310	871	2250	1590	1270	1210	1030	971	818	1540	e1560	2000
2	1240	1080	1870	2360	1610	1230	986	1090	804	3290	e1920	1510
3	1250	1140	3430	993	3140	1240	1120	957	768	2190	1800	2180
4	1250	1680	5510	1250	1950	1220	888	830	772	1660	1550	1780
5	709	1360	1610	2210	2220	1210	1320	792	776	1700	1810	1170
6	1010	1660	1980	3150	1860	1400	1060	619	752	1790	898	737
7	1190	1860	2050	3150	1900	1340	1050	761	945	2890	1110	3430
8	1530	1300	1810	3540	1820	1290	793	755	1070	2180	1070	3300
9	1620	1160	2550	3350	1600	1280	969	781	893	3200	1250	1410
10	1620	1380	2010	2710	2140	1250	942	777	1190	1740	2010	2180
11	1220	2070	2270	1840	991	1410	713	1020	1050	1030	2240	1700
12	1050	1480	1590	1030	1590	1940	994	793	822	1120	3560	1360
13	1190	1710	1520	2530	3210	1280	1320	836	1140	1190	1450	1240
14	1630	2440	1420	3090	1760	1210	1090	882	986	1540	2360	1410
15	1420	1260	2480	3640	1850	1290	993	608	1020	1690	1180	1600
16	1560	928	2570	3300	2050	1330	969	739	1140	1470	1070	4560
17	1180	1640	2680	2610	1230	1440	1050	778	908	1290	1580	8050
18	1070	1940	2590	1790	1650	1390	875	1070	923	1210	e1680	1820
19	1080	5570	2780	2710	1810	1280	785	1090	876	1330	e1590	862
20	1100	3140	2370	2360	1330	801	763	861	831	1460	1510	4970
21	1370	e3000	1350	2870	1250	1200	836	943	972	1770	1550	7760
22	1380	2670	1500	1770	1230	1230	788	737	1010	1780	1090	7830
23	1380	3650	2250	738	1210	1640	822	655	943	1710	1520	7860
24	1390	3700	2920	1750	1230	1280	837	736	994	1060	1340	7650
25	1630	3160	2500	2200	1220	1150	746	783	1130	1450	1670	4820
26	1600	2630	1750	2200	1340	1150	771	774	1170	1720	e1590	5260
27	2490	2530	1650	2890	1400	810	1140	743	1120	719	e1810	5440
28	1320	1740	1680	2360	1280	982	660	731	2250	731	1800	5640
29	1630	978	2140	2740	1240	974	1210	736	1180	1830	1100	7060
30	1720	1350	2500	2420	---	1610	962	719	946	2270	1310	6620
31	1280	---	2940	2060	---	1220	---	911	---	1930	1830	---
TOTAL	42419	61077	70520	73201	48381	39287	28482	25478	30199	52480	49808	113209
MEAN	1368	2036	2275	2361	1668	1267	949	822	1007	1693	1607	3774
MAX	2490	5570	5510	3640	3210	1940	1320	1090	2250	3290	3560	8050
MIN	709	871	1350	738	991	801	660	608	752	719	898	737
CFSM	1.12	1.67	1.86	1.94	1.37	1.04	0.78	0.67	0.83	1.39	1.32	3.09
IN.	1.29	1.86	2.15	2.23	1.48	1.20	0.87	0.78	0.92	1.60	1.52	3.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	1817	1633	1683	2026	2321	2431	2390	2177	1793	1984	2189	2059
MAX	4239	2659	5797	6797	6872	6114	6784	4952	3743	4157	3844	3774
(WY)	1992	1990	1993	1993	1996	1990	1980	2003	2003	2003	1994	2004
MIN	695	624	729	909	715	838	596	717	703	842	910	945
(WY)	2002	2002	2002	1989	2002	2002	2002	2002	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	954542		634541			
ANNUAL MEAN	2615		1734		2039	
HIGHEST ANNUAL MEAN					3485	1993
LOWEST ANNUAL MEAN					789	2002
HIGHEST DAILY MEAN	9270	Mar 6	8050	Sep 17	10900	Mar 17 1990
LOWEST DAILY MEAN	702	Apr 9	608	May 15	323	May 28 1989
ANNUAL SEVEN-DAY MINIMUM	973	Jan 6	737	May 23	486	Apr 5 2002
MAXIMUM PEAK FLOW			14600	Sep 17	14600	Sep 17 2004
MAXIMUM PEAK STAGE			9.94	Sep 17	9.94	Sep 17 2004
ANNUAL RUNOFF (CFSM)	2.14		1.42		1.67	
ANNUAL RUNOFF (INCHES)	29.11		19.35		22.71	
10 PERCENT EXCEEDS	5420		2930		4010	
50 PERCENT EXCEEDS	1940		1380		1430	
90 PERCENT EXCEEDS	1020		799		736	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335909 LONGITUDE 0841858 NAD27 DRAINAGE AREA 1220.00* CONTRIBUTING DRAINAGE AREA DATUM 858.01 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.49	3.08	4.28	3.75	3.51	3.48	3.27	3.17	3.05	3.74	---	3.91
2	3.43	3.28	3.94	4.34	3.76	3.48	3.22	3.30	3.03	4.96	---	3.57
3	3.43	3.34	5.03	3.24	4.90	3.49	3.36	3.17	2.99	4.13	3.83	4.04
4	3.42	3.78	6.19	3.47	4.04	3.48	3.12	3.03	3.00	3.80	3.64	3.76
5	2.90	3.54	3.79	4.24	4.28	3.46	3.53	3.00	3.00	3.83	3.86	3.26
6	3.22	3.80	4.10	4.90	3.99	3.64	3.30	2.80	2.97	3.89	3.06	2.84
7	3.39	3.92	4.15	4.90	4.04	3.59	3.28	2.97	3.17	4.64	3.25	4.90
8	3.67	3.48	3.91	5.14	3.98	3.54	3.02	2.95	3.30	4.14	3.21	4.93
9	3.73	3.36	4.51	5.03	3.77	3.53	3.20	2.98	3.13	4.87	3.36	3.50
10	3.76	3.55	4.14	4.60	4.23	3.50	3.17	2.99	3.42	3.78	3.97	4.07
11	3.40	4.08	4.32	3.93	3.26	3.65	2.92	3.24	3.27	3.24	4.12	3.71
12	3.26	3.61	3.80	3.27	3.80	4.07	3.22	3.00	3.06	3.33	5.04	3.43
13	3.38	3.81	3.74	4.48	4.94	3.51	3.53	3.05	3.39	3.40	3.57	3.33
14	3.74	4.39	3.66	4.86	3.93	3.44	3.31	3.09	3.22	3.68	4.20	3.47
15	3.57	3.45	4.45	5.21	3.97	3.52	3.22	2.79	3.28	3.81	3.31	3.62
16	3.69	3.14	4.53	4.99	4.16	3.55	3.19	2.94	3.39	3.63	3.20	5.32
17	3.36	3.78	4.59	4.55	3.49	3.62	3.28	2.99	3.15	3.46	3.63	7.29
18	3.26	4.02	4.54	3.90	3.86	3.59	3.10	3.28	3.17	3.39	---	3.95
19	3.28	6.23	4.66	4.46	3.99	3.49	3.00	3.31	3.12	3.48	---	3.13
20	3.30	4.80	4.38	4.33	3.59	3.03	2.98	3.08	3.07	3.59	3.56	5.79
21	3.53	---	3.54	4.73	3.52	3.41	3.05	3.18	3.22	3.83	3.59	7.31
22	3.54	4.45	3.66	3.94	3.49	3.45	2.99	2.95	3.27	3.84	3.20	7.34
23	3.54	5.12	4.30	2.99	3.48	3.82	3.03	2.86	3.20	3.78	3.56	7.35
24	3.55	5.15	4.76	3.81	3.49	3.49	3.04	2.95	3.26	3.24	3.41	7.26
25	3.73	4.87	4.47	4.24	3.49	3.37	2.95	3.00	3.39	3.57	3.70	5.78
26	3.77	4.56	3.87	4.27	3.60	3.37	2.97	2.99	3.42	3.81	---	6.03
27	4.44	4.50	3.78	4.73	3.65	3.04	3.33	2.95	3.37	2.89	---	6.18
28	3.51	3.91	3.81	4.37	3.54	3.22	2.85	2.94	4.31	2.91	3.77	6.27
29	3.78	3.25	4.13	4.64	3.51	3.21	3.41	2.94	3.44	3.86	3.19	6.99
30	3.86	3.57	4.46	4.39	---	3.77	3.17	2.94	3.21	4.21	3.39	6.79
31	3.46	---	4.76	4.16	---	3.41	---	3.15	---	3.95	3.79	---
MEAN	3.53	---	4.27	4.32	3.84	3.49	3.17	3.03	3.24	3.76	---	4.97
MAX	4.44	---	6.19	5.21	4.94	4.07	3.53	3.31	4.31	4.96	---	7.35
MIN	2.90	---	3.54	2.99	3.26	3.03	2.85	2.79	2.97	2.89	---	2.84

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA

LOCATION.—Lat 33°59'09", long 84°18'58", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130001, on right bank at Eves Road, 3.3 miles upstream from Big Creek, and 2.2 miles upstream from GA 400, 3.6 miles southeast of Roswell, and at mile 320.6.

DRAINAGE AREA.—1,220 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—January 29, 2004 to September 30, 2004**.**

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: January 29, 2004 to September 30, 2004**.**

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 21.8°C, September 17; minimum recorded, 6.3°C, February 8.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335909 LONGITUDE 0841858 NAD27 DRAINAGE AREA 1220.00 CONTRIBUTING DRAINAGE AREA DATUM 858.01 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	7.8	7.2	7.4
30	---	---	---	---	---	---	---	---	---	8.2	7.6	7.8
31	---	---	---	---	---	---	---	---	---	8.2	7.4	7.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335909 LONGITUDE 0841858 NAD27 DRAINAGE AREA 1220.00 CONTRIBUTING DRAINAGE AREA DATUM 858.01 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	7.4	7.8	10.4	8.1	9.2	11.5	10.4	11.0	13.1	12.4	12.7
2	7.6	6.9	7.3	11.4	9.7	10.5	11.7	10.2	11.0	13.7	12.9	13.3
3	7.5	6.7	7.1	11.5	10.4	10.8	---	---	---	13.7	13.1	13.4
4	7.6	7.1	7.3	11.3	10.3	10.8	---	---	---	13.7	12.3	13.0
5	7.4	7.2	7.3	11.0	10.3	10.6	---	---	---	14.4	12.5	13.4
6	7.4	7.3	7.3	12.2	10.8	11.4	12.6	10.2	11.3	15.4	13.3	14.2
7	7.4	6.9	7.1	12.2	11.0	11.6	12.5	11.1	11.8	15.8	14.2	15.0
8	7.4	6.3	6.8	11.1	9.9	10.4	13.3	11.2	12.1	16.0	14.2	15.1
9	7.4	6.8	7.1	10.3	9.0	9.6	13.6	12.2	13.0	16.0	14.5	15.2
10	7.3	7.0	7.2	10.3	8.7	9.4	13.3	12.0	12.6	15.6	14.4	15.0
11	8.1	7.3	7.7	10.4	8.8	9.5	12.5	11.5	12.0	15.5	14.2	14.6
12	8.0	7.6	7.7	10.2	9.1	9.5	12.5	11.7	12.1	14.7	13.8	14.2
13	7.8	7.2	7.5	11.1	8.8	9.7	11.9	11.4	11.7	14.8	14.1	14.4
14	8.3	7.8	8.0	11.5	9.0	10.1	11.6	10.8	11.2	14.8	14.0	14.4
15	8.2	7.9	8.0	11.4	9.8	10.5	12.7	10.7	11.6	15.5	14.0	14.6
16	---	---	---	11.8	10.0	10.7	13.6	11.4	12.4	15.5	14.7	15.1
17	---	---	---	11.9	9.7	10.6	13.7	12.1	12.9	15.2	14.2	14.6
18	8.2	7.1	7.7	11.1	9.5	10.1	14.4	12.2	13.2	14.8	13.5	13.9
19	8.4	7.5	7.9	12.0	9.1	10.3	15.2	12.8	13.9	14.0	13.1	13.5
20	8.6	7.7	8.1	12.6	9.8	11.1	15.3	14.1	14.8	15.3	13.9	14.4
21	9.7	8.2	8.9	12.6	11.0	11.8	15.2	13.6	14.3	15.5	14.5	15.0
22	9.6	8.4	9.0	11.1	10.0	10.5	15.1	13.1	14.1	15.8	14.3	14.8
23	8.9	8.2	8.4	10.4	9.0	9.6	15.4	13.6	14.5	16.2	15.3	15.7
24	8.5	8.0	8.2	11.9	8.9	10.0	15.3	13.5	14.5	16.2	15.3	15.8
25	8.4	8.1	8.3	12.7	9.5	10.8	15.5	13.7	14.6	16.1	14.9	15.6
26	8.1	7.1	7.4	13.0	10.2	11.5	15.4	14.1	14.5	16.5	15.2	15.8
27	7.4	6.9	7.1	13.7	10.7	12.1	14.3	12.5	13.2	16.7	15.4	16.0
28	8.8	7.0	7.8	13.9	12.1	13.2	14.5	12.4	13.3	16.7	15.5	16.1
29	9.2	7.7	8.4	13.7	12.4	13.1	14.4	12.8	13.3	16.5	15.1	15.5
30	---	---	---	13.4	12.0	12.5	13.1	12.4	12.8	15.5	14.4	15.0
31	---	---	---	12.4	11.5	11.9	---	---	---	15.8	15.0	15.4
MONTH	---	---	---	13.9	8.1	10.8	---	---	---	16.7	12.3	14.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335909 LONGITUDE 0841858 NAD27 DRAINAGE AREA 1220.00 CONTRIBUTING DRAINAGE AREA DATUM 858.01 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.7	14.9	15.3	16.4	15.7	15.8	---	---	---	15.3	12.0	13.2
2	15.6	14.5	15.0	16.9	15.1	15.8	---	---	---	14.2	12.7	13.5
3	15.2	14.5	14.9	16.9	14.1	14.8	15.1	12.2	13.9	14.2	11.7	12.9
4	15.5	14.4	14.9	15.7	14.6	15.1	15.1	12.7	14.2	14.3	11.6	13.2
5	15.7	14.6	15.1	15.1	14.3	14.7	16.1	12.2	13.9	15.6	13.9	14.6
6	15.7	14.6	15.1	15.2	15.0	15.1	18.8	15.0	16.6	17.1	15.3	16.0
7	15.7	14.7	15.0	15.1	13.2	13.8	18.5	15.1	16.1	19.4	17.1	18.3
8	15.7	14.9	15.3	14.6	13.0	13.6	16.0	14.5	15.2	20.2	19.4	20.1
9	15.2	14.6	14.8	14.6	12.8	13.4	15.3	13.6	14.2	20.2	19.0	19.5
10	15.7	14.9	15.2	14.5	12.7	13.2	14.4	11.6	12.6	19.0	12.7	14.8
11	15.5	13.9	14.6	15.9	14.5	14.9	14.0	11.1	12.5	15.7	13.1	14.6
12	16.4	15.1	15.6	16.0	15.1	15.5	16.8	12.7	14.7	15.6	13.9	14.8
13	16.4	15.8	16.0	15.9	15.3	15.6	19.3	16.8	18.1	15.6	14.2	14.7
14	16.2	15.9	16.1	15.7	14.4	15.0	18.8	12.0	14.3	14.7	12.7	13.7
15	16.2	15.5	15.8	16.2	15.2	15.5	15.1	14.3	14.7	14.6	12.3	13.4
16	16.6	15.9	16.1	16.4	15.1	15.6	15.9	14.4	15.1	21.3	12.5	15.1
17	16.8	15.9	16.3	15.4	14.6	15.0	15.3	12.6	14.0	21.8	20.1	21.4
18	16.8	16.0	16.4	15.8	14.9	15.2	---	---	---	21.1	18.7	20.0
19	17.0	16.0	16.5	15.9	14.6	15.2	---	---	---	18.7	16.5	17.6
20	17.0	16.2	16.7	15.5	14.2	14.7	15.0	12.6	13.9	17.1	11.2	13.3
21	17.0	16.0	16.3	14.9	13.5	14.1	14.8	12.4	13.8	12.5	11.5	12.0
22	16.2	15.4	15.8	14.4	13.3	13.9	16.1	14.2	15.1	12.3	11.4	11.9
23	16.6	16.0	16.3	15.3	12.3	14.1	15.8	12.7	14.2	12.4	11.4	12.0
24	16.6	15.9	16.1	16.4	14.9	15.6	14.9	13.1	14.0	12.5	11.6	12.1
25	16.2	15.7	15.8	16.0	13.0	14.3	14.8	12.2	13.4	13.5	11.6	12.5
26	16.4	15.8	16.0	16.6	13.9	15.0	15.3	12.5	14.0	14.0	11.3	12.6
27	16.5	16.1	16.3	18.0	15.5	16.8	15.0	12.1	13.7	17.7	12.1	13.3
28	17.6	16.4	16.8	18.0	16.4	17.2	14.8	12.1	13.7	18.6	14.3	17.0
29	17.9	17.5	17.7	17.4	12.4	14.2	15.3	14.4	14.9	14.3	12.6	13.0
30	17.5	16.4	16.8	16.2	12.9	14.2	15.5	13.7	14.6	12.8	11.9	12.4
31	---	---	---	---	---	---	15.5	12.2	14.0	---	---	---
MONTH	17.9	13.9	15.8	---	---	---	---	---	---	21.8	11.2	14.8

2004 Water Year

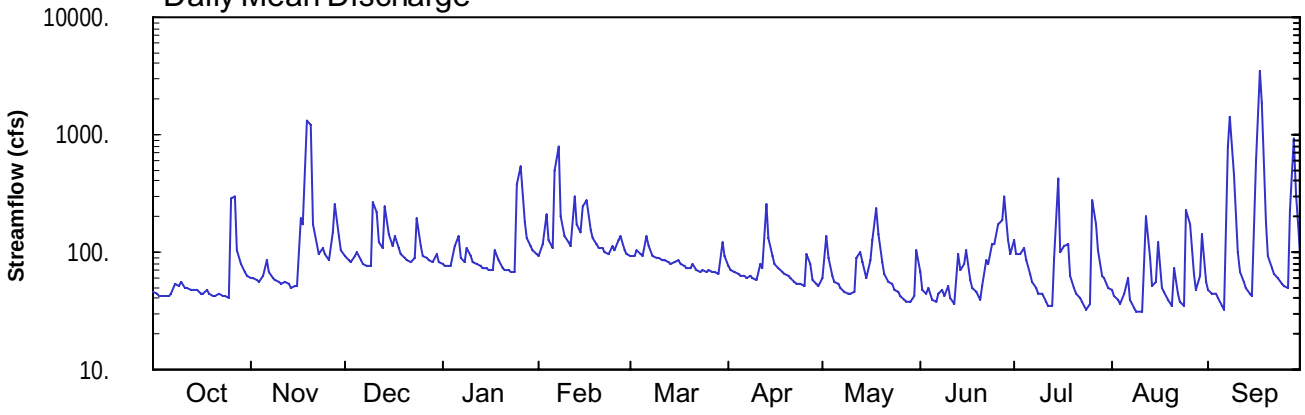
APALACHICOLA RIVER BASIN

02335700 BIG CREEK NEAR ALPHARETTA, GA

Latitude: 34°03'02" Longitude: 084°16'10" Hydrologic Unit Code: 03130001

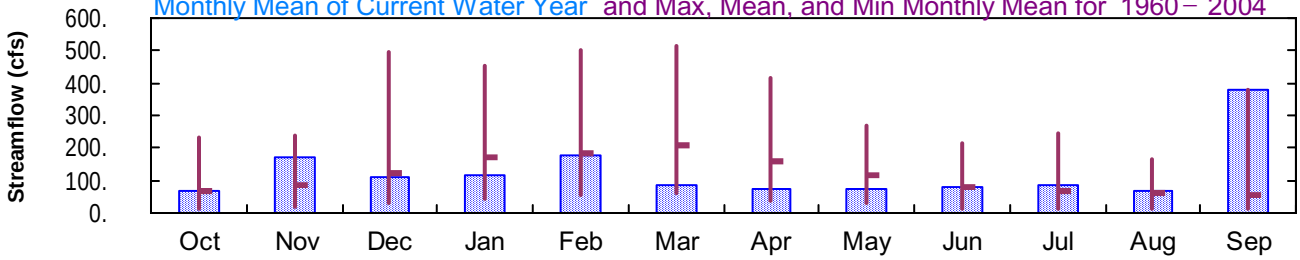
Fulton County Datum: 960.80 feet Drainage Area: 72. mi²

Daily Mean Discharge

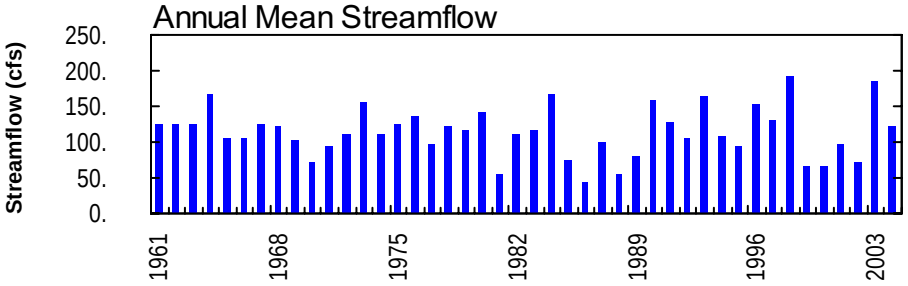


Monthly Statistics

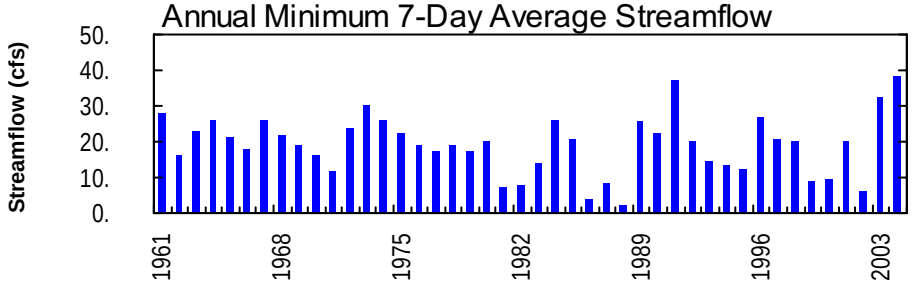
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1960 – 2004



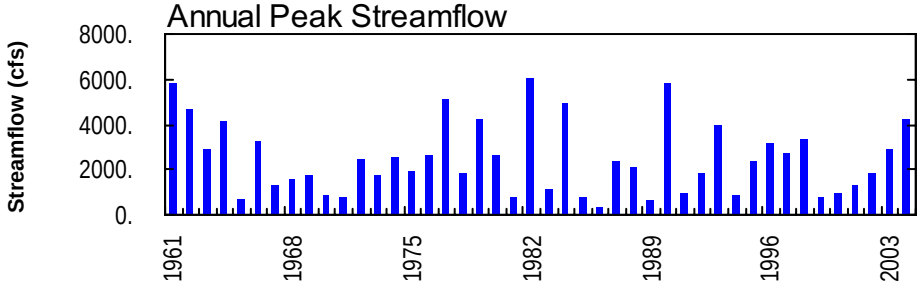
Annual Mean Streamflow

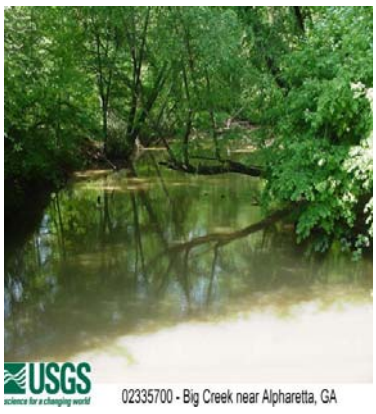


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2004 Water Year

02335700 BIG CREEK NEAR ALPHARETTA, GA

LOCATION.—Lat 34°03'02", long 84°16'10", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on left bank at downstream side of bridge on Kimball Bridge Road, 2.6 miles southeast of Alpharetta, and 9.4 miles upstream from mouth.

DRAINAGE AREA.—72.0 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1960 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 960.80 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Soil Conservation Service).

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/20	0645	1,550	9.07
02/07	1130	866	7.23
09/08	0930	1,510	9.00
09/17	1815	4,230*	11.93*
09/28	0100	993	7.64

02335700 BIG CREEK NEAR ALPHARETTA, GA—continued.

WATER–STAGE RECORDS

PERIOD OF RECORD.—May 1960 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 960.80 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Soil Conservation Service).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.93 feet, September 17; minimum gage-height recorded, 1.53 feet, August 11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 18, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335700 BIG CREEK NEAR ALPHARETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340302 LONGITUDE 0841610 NAD83 DRAINAGE AREA 72.00* CONTRIBUTING DRAINAGE AREA DATUM 960.80 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	60	93	79	91	93	77	59	68	128	48	47
2	45	59	85	77	117	94	71	136	49	96	42	44
3	43	57	82	77	207	105	68	88	44	94	39	45
4	43	56	93	76	126	97	65	64	49	110	36	40
5	42	63	100	113	108	91	62	56	40	85	44	35
6	43	85	86	138	487	139	61	53	37	64	61	32
7	45	67	79	88	787	114	61	49	43	57	39	806
8	53	60	77	82	199	94	62	46	47	49	33	1450
9	52	57	76	107	137	89	61	45	42	45	31	461
10	56	55	261	94	122	90	58	45	52	45	31	99
11	50	54	218	81	113	84	80	45	40	38	31	67
12	49	55	122	78	293	85	74	87	36	36	201	55
13	47	53	109	76	173	82	259	99	95	34	90	49
14	47	50	248	75	149	79	132	82	69	89	51	45
15	47	52	143	74	244	81	92	60	79	421	56	42
16	45	52	112	71	275	84	81	86	106	99	120	595
17	44	191	136	71	154	80	74	127	58	111	51	3500
18	47	173	107	103	130	76	68	238	50	116	45	1880
19	44	1320	96	85	117	74	65	142	45	63	39	182
20	42	1200	88	74	110	73	61	84	40	50	34	93
21	42	173	84	71	109	78	59	65	52	44	72	74
22	43	115	83	69	100	70	57	56	87	40	44	65
23	42	96	88	68	97	69	54	53	78	37	38	60
24	42	110	194	69	112	69	53	48	118	32	35	54
25	41	97	112	384	104	68	51	45	117	36	226	52
26	288	85	94	535	125	69	96	42	176	278	173	49
27	298	148	88	181	136	68	80	40	188	173	64	229
28	105	255	85	133	105	67	58	38	296	106	47	911
29	80	134	82	112	96	66	53	38	126	63	62	315
30	69	104	98	104	---	122	52	42	97	61	140	102
31	63	---	83	96	---	91	---	103	---	49	55	---
TOTAL	2043	5136	3502	3541	5123	2641	2245	2261	2424	2749	2078	11478
MEAN	65.9	171	113	114	177	85.2	74.8	72.9	80.8	88.7	67.0	383
MAX	298	1320	261	535	787	139	259	238	296	421	226	3500
MIN	41	50	76	68	91	66	51	38	36	32	31	32
CFSM	0.92	2.38	1.57	1.59	2.45	1.18	1.04	1.01	1.12	1.23	0.93	5.31
IN.	1.06	2.65	1.81	1.83	2.65	1.36	1.16	1.17	1.25	1.42	1.07	5.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2004, BY WATER YEAR (WY)

MEAN	66.2	85.0	122	169	186	211	158	114	81.3	65.7	58.6	57.0
MAX	231	242	495	453	502	512	415	272	216	243	166	383
(WY)	1990	1993	1984	1993	1961	1980	1979	2003	2003	2003	1967	2004
MIN	13.8	19.2	33.1	40.1	54.4	60.0	37.2	31.3	10.5	10.5	9.45	11.8
(WY)	1982	1982	1989	1981	1986	1988	1986	1988	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1960 - 2004	
ANNUAL TOTAL	59841		45221			
ANNUAL MEAN	164		124		115	
HIGHEST ANNUAL MEAN					192	1998
LOWEST ANNUAL MEAN					45.5	1986
HIGHEST DAILY MEAN	2220	Mar 7	3500	Sep 17	4480	Feb 3 1982
LOWEST DAILY MEAN	35	Sep 21	31	Aug 9 a	1.7	Jul 22 1986
ANNUAL SEVEN-DAY MINIMUM	38	Sep 15	39	Aug 5	2.3	Jul 15 1988
MAXIMUM PEAK FLOW			4230	Sep 17	6100	Feb 3 1982
MAXIMUM PEAK STAGE			11.93	Sep 17	13.05	Feb 3 1982
ANNUAL RUNOFF (CFSM)	2.28		1.72		1.59	
ANNUAL RUNOFF (INCHES)	30.92		23.36		21.61	
10 PERCENT EXCEEDS	276		184		202	
50 PERCENT EXCEEDS	102		76		69	
90 PERCENT EXCEEDS	49		42		26	

a Also Aug 10,11

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335700 BIG CREEK NEAR ALPHARETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340302 LONGITUDE 0841610 NAD83 DRAINAGE AREA 72.00* CONTRIBUTING DRAINAGE AREA DATUM 960.80 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.95	2.17	2.63	2.45	2.53	2.55	2.34	2.07	2.20	2.95	1.88	1.88
2	1.92	2.17	2.53	2.42	2.80	2.56	2.25	3.05	1.90	2.59	1.78	1.81
3	1.89	2.13	2.50	2.42	3.78	2.69	2.20	2.48	1.83	2.56	1.72	1.83
4	1.88	2.11	2.64	2.41	2.93	2.60	2.16	2.14	1.91	2.73	1.66	1.75
5	1.88	2.22	2.72	2.84	2.73	2.52	2.11	2.02	1.74	2.44	1.80	1.65
6	1.89	2.53	2.55	3.14	5.10	3.07	2.11	1.97	1.70	2.15	2.09	1.59
7	1.92	2.29	2.46	2.57	6.92	2.80	2.10	1.91	1.80	2.03	1.72	6.30
8	2.07	2.18	2.43	2.50	3.70	2.56	2.11	1.86	1.87	1.90	1.60	8.85
9	2.04	2.14	2.41	2.80	3.06	2.49	2.10	1.83	1.79	1.83	1.56	5.08
10	2.11	2.10	4.11	2.65	2.89	2.50	2.06	1.83	1.95	1.83	1.56	2.78
11	2.01	2.08	3.89	2.49	2.79	2.44	2.36	1.84	1.75	1.71	1.57	2.41
12	2.00	2.09	2.99	2.44	4.45	2.45	2.29	2.46	1.67	1.66	3.56	2.22
13	1.97	2.06	2.83	2.41	3.45	2.40	4.21	2.62	2.50	1.64	2.49	2.11
14	1.96	2.02	4.20	2.39	3.20	2.36	3.01	2.40	2.22	2.16	1.94	2.04
15	1.96	2.04	3.21	2.38	4.02	2.39	2.53	2.08	2.32	5.18	1.96	1.99
16	1.92	2.05	2.87	2.34	4.33	2.43	2.39	2.39	2.69	2.62	2.82	4.45
17	1.91	3.62	3.14	2.34	3.25	2.37	2.30	2.94	2.05	2.68	1.93	11.37
18	1.97	3.26	2.80	2.76	2.98	2.32	2.21	3.90	1.92	2.81	1.84	9.27
19	1.91	8.53	2.68	2.53	2.84	2.30	2.16	3.10	1.84	2.13	1.72	3.64
20	1.88	8.07	2.58	2.38	2.76	2.28	2.11	2.43	1.74	1.92	1.64	2.75
21	1.88	3.51	2.52	2.34	2.75	2.34	2.07	2.16	1.91	1.82	2.25	2.50
22	1.90	2.90	2.51	2.32	2.63	2.24	2.03	2.02	2.46	1.75	1.82	2.37
23	1.87	2.68	2.57	2.30	2.60	2.22	1.99	1.97	2.34	1.69	1.70	2.29
24	1.88	2.84	3.72	2.31	2.77	2.23	1.97	1.89	2.84	1.59	1.65	2.20
25	1.86	2.69	2.86	4.75	2.68	2.21	1.94	1.84	2.80	1.66	3.28	2.16
26	4.11	2.53	2.65	5.88	2.92	2.22	2.54	1.79	3.45	4.30	3.34	2.12
27	4.44	3.14	2.57	3.53	3.05	2.20	2.37	1.74	3.30	3.43	2.15	3.35
28	2.78	4.23	2.53	3.01	2.69	2.19	2.05	1.71	4.42	2.68	1.87	7.37
29	2.47	3.12	2.49	2.78	2.58	2.18	1.97	1.70	2.93	2.13	2.03	4.48
30	2.30	2.78	2.70	2.69	---	2.88	1.96	1.77	2.59	2.10	3.04	2.87
31	2.22	---	2.51	2.59	---	2.52	---	2.61	---	1.90	2.01	---
MEAN	2.15	2.94	2.83	2.75	3.28	2.44	2.27	2.21	2.28	2.34	2.06	3.58
MAX	4.44	8.53	4.20	5.88	6.92	3.07	4.21	3.90	4.42	5.18	3.56	11.37
MIN	1.86	2.02	2.41	2.30	2.53	2.18	1.94	1.70	1.67	1.59	1.56	1.59

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335700 BIG CREEK NEAR ALPHARETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340302 LONGITUDE 0841610 NAD83 DRAINAGE AREA 72.00* CONTRIBUTING DRAINAGE AREA DATUM 960.80 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.06	---	0.00	0.00	0.00	0.24
2	0.00	0.00	0.00	0.00	0.58	0.10	0.00	---	0.00	0.12	0.00	0.02
3	0.00	0.00	0.06	0.00	0.06	0.00	0.00	---	0.00	0.07	0.00	0.00
4	0.00	0.00	0.25	0.00	0.08	0.00	0.00	0.01	0.00	0.43	0.00	0.00
5	0.00	0.15	0.03	0.38	0.03	0.00	0.00	0.00	0.00	0.02	0.24	0.00
6	0.00	0.03	0.00	0.00	1.59	0.45	0.00	0.00	0.00	0.01	0.00	0.04
7	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	4.02
8	0.39	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
9	0.04	0.00	0.00	0.21	0.00	0.01	0.00	0.00	0.06	0.00	0.00	0.00
10	0.02	0.00	0.88	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.02	0.00
11	0.01	0.00	0.00	0.00	0.15	0.00	0.29	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.73	0.00	0.45	0.06	0.00	0.00	1.59	0.00
13	0.00	0.00	0.53	0.00	0.00	0.00	0.52	0.00	0.81	0.00	0.00	0.00
14	0.04	0.00	0.20	0.00	0.25	0.00	0.02	0.00	0.01	0.44	0.00	0.00
15	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.50	0.01	0.38	0.00
16	0.00	0.06	0.12	0.00	0.00	0.08	0.00	1.11	0.04	0.00	0.00	5.28
17	0.02	1.22	0.13	0.23	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.07
18	0.00	2.03	0.00	0.08	0.00	0.00	0.00	0.76	0.44	0.00	0.00	0.00
19	0.00	1.21	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.18	0.00
21	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.32	0.22	0.00	0.04	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.01	0.00	0.00
23	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
24	0.00	0.26	0.08	0.00	0.04	0.00	0.00	0.00	0.75	0.28	0.45	0.00
25	0.00	0.00	0.00	2.01	0.12	0.00	0.00	0.00	0.61	1.20	0.53	0.00
26	1.96	0.00	0.00	0.02	0.46	0.00	---	0.00	0.01	0.47	0.00	0.00
27	0.02	0.94	0.00	0.00	0.03	0.00	---	0.00	0.79	0.12	0.00	2.88
28	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.07	0.43	0.05	0.00	0.01
29	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.08	0.06	0.00
30	0.00	0.00	0.15	0.00	---	0.59	0.00	0.00	0.13	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.76	---	0.01	0.00	---
TOTAL	2.50	5.97	3.20	2.98	4.70	1.42	---	---	6.41	4.16	3.49	12.64

2004 Water Year

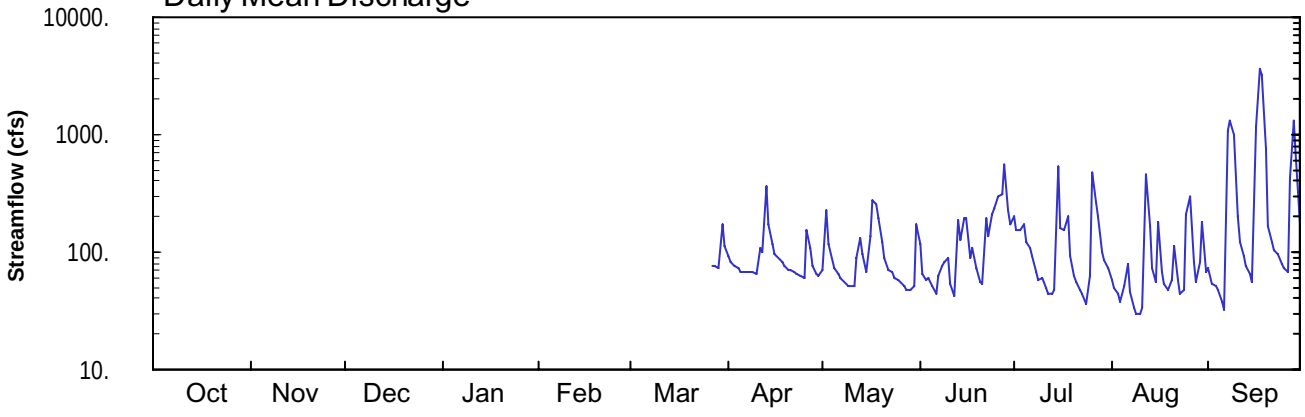
APALACHICOLA RIVER BASIN

02335757 BIG CREEK BELOW HOG WALLOW CREEK AT ROSWELL, GA

Latitude: 34°01'03" Longitude: 084°21'12" Hydrologic Unit Code: 03130001

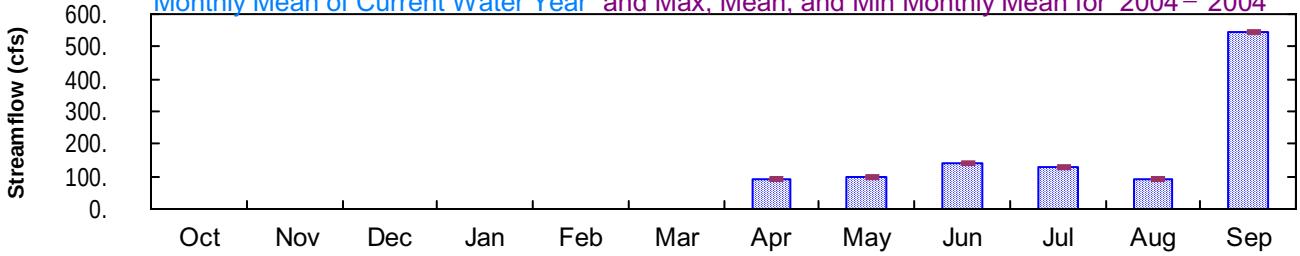
Fulton County Datum: 940.00 feet Drainage Area: 103. mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2004 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02335757 BIG CREEK BELOW HOG WALLOW CREEK, AT ROSWELL, GA

LOCATION.—Lat 34°01'03", long 84°21'12", referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, on downstream side of footbridge on Oxbo Road, 0.5 miles downstream from Grimes Bridge Road.

DRAINAGE AREA.—103 square miles, approximately.

COOPERATION.—City of Roswell.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 26, 2004 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 940.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER–STAGE RECORDS

PERIOD OF RECORD.— March 26, 2004 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 940.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.50 feet, September 17; minimum gage-height recorded, 2.36 feet, August 10.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335757 BIG CREEK BELOW HOG WALLOW CREEK AT ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340103 LONGITUDE 0842112 NAD83 DRAINAGE AREA 103.16* CONTRIBUTING DRAINAGE AREA DATUM 940.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	92	70	116	199	57	73
2	---	---	---	---	---	---	81	224	66	157	50	54
3	---	---	---	---	---	---	76	118	57	154	44	52
4	---	---	---	---	---	---	73	84	61	171	38	48
5	---	---	---	---	---	---	67	72	51	122	52	38
6	---	---	---	---	---	---	68	65	44	110	80	32
7	---	---	---	---	---	---	68	60	62	91	45	1070
8	---	---	---	---	---	---	69	55	76	67	34	1320
9	---	---	---	---	---	---	68	52	82	59	30	1010
10	---	---	---	---	---	---	65	52	87	59	30	202
11	---	---	---	---	---	---	107	52	53	50	34	120
12	---	---	---	---	---	---	100	88	43	45	454	91
13	---	---	---	---	---	---	367	130	185	44	164	76
14	---	---	---	---	---	---	173	96	127	47	72	64
15	---	---	---	---	---	---	118	69	192	529	55	56
16	---	---	---	---	---	---	97	137	197	160	179	1180
17	---	---	---	---	---	---	89	271	89	152	68	3690
18	---	---	---	---	---	---	81	252	110	205	54	3270
19	---	---	---	---	---	---	77	193	73	92	47	759
20	---	---	---	---	---	---	71	122	55	64	58	166
21	---	---	---	---	---	---	70	90	54	55	113	123
22	---	---	---	---	---	---	67	70	195	48	58	105
23	---	---	---	---	---	---	64	66	137	44	44	95
24	---	---	---	---	---	---	61	61	214	36	47	80
25	---	---	---	---	---	---	59	58	240	62	207	72
26	---	---	---	---	---	---	156	55	296	482	297	68
27	---	---	---	---	---	77	106	51	306	268	81	416
28	---	---	---	---	---	76	75	47	559	202	57	1310
29	---	---	---	---	---	74	65	47	225	98	83	593
30	---	---	---	---	---	171	64	51	172	85	180	183
31	---	---	---	---	---	114	---	174	---	72	69	---
TOTAL	---	---	---	---	---	---	2794	3032	4224	4029	2881	16416
MEAN	---	---	---	---	---	---	93.1	97.8	141	130	92.9	547
MAX	---	---	---	---	---		367	271	559	529	454	3690
MIN	---	---	---	---	---		59	47	43	36	30	32
CFSM	---	---	---	---	---	---	0.90	0.95	1.36	1.26	0.90	5.30
IN.	---	---	---	---	---	---	1.01	1.09	1.52	1.45	1.04	5.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	93.1	97.8	141	130	92.9	547
MAX	---	---	---	---	---	---	93.1	97.8	141	130	92.9	547
(WY)	---	---	---	---	---	---	2004	2004	2004	2004	2004	2004
MIN	---	---	---	---	---	---	93.1	97.8	141	130	92.9	547
(WY)	---	---	---	---	---	---	2004	2004	2004	2004	2004	2004

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335757 BIG CREEK BELOW HOG WALLOW CREEK AT ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340103 LONGITUDE 0842112 NAD83 DRAINAGE AREA 103.16* CONTRIBUTING DRAINAGE AREA DATUM 940.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	2.89	2.76	2.94	3.30	2.62	2.72
2	---	---	---	---	---	---	2.83	3.45	2.68	3.13	2.56	2.59
3	---	---	---	---	---	---	2.80	3.01	2.62	3.11	2.51	2.57
4	---	---	---	---	---	---	2.78	2.85	2.65	3.18	2.46	2.54
5	---	---	---	---	---	---	2.74	2.77	2.57	2.97	2.56	2.47
6	---	---	---	---	---	---	2.75	2.73	2.51	2.91	2.76	2.41
7	---	---	---	---	---	---	2.75	2.69	2.61	2.83	2.52	5.63
8	---	---	---	---	---	---	2.75	2.65	2.74	2.69	2.43	6.35
9	---	---	---	---	---	---	2.75	2.62	2.73	2.63	2.39	5.54
10	---	---	---	---	---	---	2.72	2.63	2.80	2.63	2.39	3.31
11	---	---	---	---	---	---	2.94	2.63	2.59	2.56	2.43	2.97
12	---	---	---	---	---	---	2.92	2.85	2.50	2.52	3.97	2.83
13	---	---	---	---	---	---	3.90	3.06	3.21	2.51	3.15	2.75
14	---	---	---	---	---	---	3.24	2.90	2.99	2.52	2.72	2.67
15	---	---	---	---	---	---	3.01	2.75	3.17	4.30	2.60	2.61
16	---	---	---	---	---	---	2.92	3.02	3.29	3.14	3.21	5.46
17	---	---	---	---	---	---	2.88	3.57	2.82	3.07	2.70	11.30
18	---	---	---	---	---	---	2.83	3.49	2.90	3.32	2.59	10.51
19	---	---	---	---	---	---	2.80	3.27	2.73	2.84	2.54	4.85
20	---	---	---	---	---	---	2.77	2.98	2.60	2.67	2.58	3.13
21	---	---	---	---	---	---	2.76	2.83	2.59	2.60	2.94	2.95
22	---	---	---	---	---	---	2.74	2.71	3.27	2.54	2.63	2.87
23	---	---	---	---	---	---	2.72	2.69	3.04	2.52	2.51	2.83
24	---	---	---	---	---	---	2.70	2.65	3.32	2.45	2.54	2.74
25	---	---	---	---	---	---	2.68	2.63	3.44	2.56	3.12	2.69
26	---	---	---	---	---	---	3.15	2.60	3.65	4.19	3.58	2.67
27	---	---	---	---	---	2.80	2.95	2.57	3.54	3.57	2.78	3.70
28	---	---	---	---	---	2.80	2.79	2.54	4.36	3.30	2.61	6.29
29	---	---	---	---	---	2.79	2.73	2.54	3.40	2.87	2.76	4.41
30	---	---	---	---	---	3.23	2.72	2.57	3.19	2.80	3.22	3.21
31	---	---	---	---	---	2.99	---	3.17	---	2.72	2.70	---
MEAN	---	---	---	---	---	---	2.86	2.84	2.98	2.93	2.74	3.99
MAX	---	---	---	---	---	---	3.90	3.57	4.36	4.30	3.97	11.30
MIN	---	---	---	---	---	---	2.68	2.54	2.50	2.45	2.39	2.41

APALACHICOLA RIVER BASIN
2004 Water Year

02335757 BIG CREEK BELOW HOG WALLOW CREEK, AT ROSWELL, GA

LOCATION.—Lat 34°01'03", long 84°21'12", referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, on downstream side of footbridge on Oxbo Road, 0.5 miles downstream from Grimes Bridge Road.

DRAINAGE AREA.—103 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—January 27, 2004 to September 30, 2004**.**

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: January 27, 2004 to September 30, 2004**.**

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 26.4°C, August 29; minimum recorded, 3.1°C, January 29.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335757 BIG CREEK BELOW HOG WALLOW CREEK AT ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340103 LONGITUDE 0842112 NAD83 DRAINAGE AREA 103.16 CONTRIBUTING DRAINAGE AREA DATUM 940.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	5.0	3.9	4.3
29	---	---	---	---	---	---	---	---	---	4.4	3.1	3.7
30	---	---	---	---	---	---	---	---	---	5.5	4.1	4.7
31	---	---	---	---	---	---	---	---	---	5.5	4.4	5.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335757 BIG CREEK BELOW HOG WALLOW CREEK AT ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340103 LONGITUDE 0842112 NAD83 DRAINAGE AREA 103.16 CONTRIBUTING DRAINAGE AREA DATUM 940.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.6	4.7	5.2	11.7	8.4	9.7	14.1	12.3	12.9	18.9	17.3	18.0
2	5.6	4.3	5.2	13.6	11.5	12.4	13.3	11.1	12.3	19.0	17.9	18.4
3	5.5	4.4	5.0	15.2	13.5	14.3	14.9	11.8	13.3	17.9	15.6	16.7
4	6.0	5.0	5.5	15.4	14.4	14.9	14.5	12.4	13.5	15.7	13.8	14.8
5	5.9	5.5	5.6	15.7	14.8	15.2	14.4	11.4	13.0	17.0	13.7	15.4
6	6.9	5.6	6.1	16.5	15.6	16.0	15.2	11.7	13.5	18.7	15.7	17.3
7	6.9	5.5	6.3	16.1	14.8	15.4	15.9	12.8	14.4	19.7	17.0	18.4
8	5.5	4.3	4.9	14.8	12.2	13.0	16.8	14.4	15.5	20.5	17.9	19.3
9	5.7	5.0	5.3	12.2	10.6	11.2	17.3	14.6	15.9	20.8	19.1	20.0
10	6.3	5.3	5.7	11.0	9.5	10.3	15.9	14.2	15.2	21.2	19.4	20.3
11	7.2	6.2	6.6	11.0	9.0	10.1	15.5	13.9	15.1	21.2	19.8	20.5
12	7.3	6.7	6.9	11.8	10.1	10.9	15.5	14.6	15.3	20.6	19.9	20.4
13	7.4	6.2	6.8	12.1	10.1	11.2	14.8	13.0	14.1	21.2	20.0	20.5
14	8.4	7.4	7.8	13.2	11.0	12.1	13.0	11.9	12.4	20.9	20.2	20.5
15	8.4	7.9	8.3	14.4	12.8	13.6	13.9	11.4	12.6	21.3	19.9	20.7
16	7.9	6.8	7.1	15.8	14.3	14.9	15.4	12.9	14.2	22.5	19.9	20.7
17	6.9	6.4	6.7	15.0	13.6	14.3	16.8	14.3	15.6	21.2	20.7	21.0
18	7.5	6.0	6.8	14.0	12.5	13.1	18.2	15.3	16.8	20.8	20.1	20.4
19	8.2	6.3	7.2	14.8	12.3	13.5	18.9	16.2	17.6	21.2	20.2	20.7
20	8.8	7.3	7.9	15.4	13.1	14.3	19.0	16.9	18.0	21.9	20.4	21.2
21	10.1	8.8	9.4	15.4	13.8	14.9	18.5	17.0	17.8	22.7	21.2	22.0
22	10.1	8.7	9.5	13.8	11.3	12.2	19.2	16.7	18.0	22.5	21.4	21.9
23	9.7	8.6	8.9	11.7	9.5	10.7	19.6	17.2	18.6	22.7	20.9	21.9
24	9.2	8.8	9.0	12.5	9.6	11.1	20.1	17.8	19.0	22.5	20.9	21.8
25	9.3	8.5	8.9	---	---	---	20.1	18.4	19.3	23.1	21.3	22.3
26	8.5	6.3	7.2	---	---	---	19.6	18.3	18.8	23.6	21.9	22.7
27	6.3	5.7	6.0	17.0	14.6	15.8	18.3	16.7	17.5	23.7	22.1	22.8
28	7.8	5.5	6.6	18.2	15.3	16.8	16.7	14.7	15.9	23.7	22.4	22.8
29	8.6	6.8	7.7	18.3	16.4	17.3	17.3	15.0	16.2	22.6	21.9	22.2
30	---	---	---	17.4	15.9	16.8	17.7	16.7	17.1	23.0	21.5	22.3
31	---	---	---	17.0	14.0	15.4	---	---	---	22.8	21.7	22.1
MONTH	10.1	4.3	6.9	---	---	---	20.1	11.1	15.6	23.7	13.7	20.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335757 BIG CREEK BELOW HOG WALLOW CREEK AT ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340103 LONGITUDE 0842112 NAD83 DRAINAGE AREA 103.16 CONTRIBUTING DRAINAGE AREA DATUM 940.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.7	20.8	21.2	23.2	22.4	22.7	25.4	24.1	24.8	23.5	22.4	23.2
2	21.3	20.0	20.7	23.3	22.3	22.9	25.4	24.4	24.8	23.1	22.3	22.6
3	21.1	20.0	20.7	23.8	22.5	23.2	25.4	24.0	24.7	22.3	21.9	22.1
4	21.9	20.3	21.2	25.6	23.1	23.8	25.7	24.4	24.9	22.3	21.5	21.9
5	21.5	20.4	21.0	24.9	23.9	24.4	26.3	24.3	24.8	22.8	21.7	22.2
6	21.8	20.6	21.1	24.8	23.4	24.1	24.6	22.9	23.7	22.5	22.1	22.2
7	21.4	21.0	21.1	24.5	22.7	23.6	23.0	21.5	22.3	22.5	21.8	22.1
8	21.7	20.9	21.2	24.6	22.8	23.8	22.5	21.1	21.7	22.3	22.1	22.2
9	24.0	21.1	21.7	24.5	23.0	23.8	22.1	20.8	21.5	22.7	21.7	22.1
10	23.5	22.1	22.8	24.8	23.2	24.0	21.6	21.0	21.3	22.6	21.9	22.3
11	24.3	22.4	23.4	25.4	23.5	24.5	22.4	20.6	21.4	22.5	21.8	22.2
12	25.1	23.2	24.1	25.4	24.1	24.6	22.6	21.6	22.1	22.3	21.6	22.0
13	24.8	23.8	24.1	25.8	24.1	24.9	22.2	21.1	21.7	21.9	21.2	21.6
14	24.7	23.4	23.9	25.9	24.4	25.0	21.1	19.8	20.6	21.3	20.5	21.0
15	24.3	23.3	23.8	25.2	23.4	24.0	21.8	20.4	21.0	21.0	20.5	20.7
16	24.4	23.5	24.0	24.2	23.6	24.0	22.7	21.3	22.2	22.6	20.8	21.6
17	25.0	23.4	24.2	26.0	23.4	24.0	23.0	21.8	22.4	22.5	22.1	22.3
18	25.7	23.5	24.5	24.8	24.2	24.5	23.4	22.3	22.8	22.1	21.3	21.8
19	25.6	23.9	24.8	24.4	23.5	24.0	23.4	22.2	22.8	21.3	20.0	20.4
20	25.2	23.7	24.5	23.7	22.5	23.2	24.4	22.6	23.2	20.0	18.7	19.1
21	24.5	23.2	23.8	24.2	22.6	23.5	24.5	22.9	23.4	18.8	18.0	18.4
22	24.9	23.1	23.8	24.2	23.0	23.7	24.0	22.6	23.3	19.0	17.8	18.4
23	24.2	23.5	23.8	25.3	23.7	24.4	24.0	22.8	23.3	19.6	17.9	18.8
24	23.5	22.9	23.2	25.7	24.3	24.9	23.8	22.7	23.3	20.3	18.7	19.5
25	23.8	22.5	23.1	25.4	23.7	24.7	23.7	23.0	23.4	20.4	19.4	19.9
26	23.7	23.2	23.4	24.8	23.4	23.9	23.7	23.1	23.4	20.2	19.3	19.9
27	23.9	22.8	23.2	24.5	24.0	24.3	23.9	23.2	23.6	20.6	19.7	20.0
28	23.4	22.8	23.0	25.0	23.9	24.4	24.4	23.4	23.9	20.6	20.0	20.3
29	23.1	22.4	22.7	24.3	23.5	23.9	26.4	23.2	24.2	20.6	20.1	20.4
30	23.7	22.4	22.8	24.9	23.7	24.3	24.0	23.4	23.7	20.3	19.4	19.7
31	---	---	---	25.7	23.8	24.5	24.1	23.0	23.5	---	---	---
MONTH	25.7	20.0	22.9	26.0	22.3	24.0	26.4	19.8	23.0	23.5	17.8	21.0

APALACHICOLA RIVER BASIN
2004 Water Year

02335810 CHATTAHOOCHEE RIVER AT MORGAN FALLS DAM, AT SANDY SPRINGS, GA

LOCATION.—Lat 33°58'06", long 84°22'58", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on upstream side of Morgan Falls Dam 3.9 miles upstream from mouth of Sope Creek at river mile 312.6.

DRAINAGE AREA.—1,370 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1988 to current year.

REVISED RECORDS.—WDR GA-90-1: 1988-89.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 12.52 feet below National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment. Prior to October 1, 2001, the datum of gage was 0.00 feet referenced to NGVD of 1929.

REMARKS.—Records good. Flow regulated by Lake Sidney Lanier since January 1956.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 866.62 feet, September 16, 2004; minimum gage-height recorded, 857.60 feet, November 9, 1989. Extremes have been adjusted to current gage datum.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 866.62 feet, September 16; minimum gage-height recorded, 859.93 feet, July 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 25, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335810 CHATTAHOOCHEE RIVER AT MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335806 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00* CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	865.87	865.90	865.56	865.82	865.83	865.88	865.74	865.85	865.90	865.69	865.63	865.27
2	865.77	865.87	864.83	865.84	865.71	865.93	865.84	865.79	865.93	864.84	865.53	865.14
3	865.65	865.27	864.12	865.95	865.79	865.93	865.91	865.84	865.93	865.03	865.60	865.12
4	865.90	865.18	865.08	865.87	865.74	865.93	865.80	865.72	865.90	865.11	865.41	865.23
5	865.96	865.15	864.87	865.67	865.35	865.93	865.74	865.66	865.89	865.38	865.56	865.82
6	865.85	865.03	865.62	865.74	865.47	865.90	865.77	865.37	865.91	863.94	865.49	865.15
7	865.67	---	865.75	865.61	865.69	865.88	865.89	865.13	865.94	864.33	865.76	865.03
8	865.12	---	865.67	865.52	865.63	865.88	865.76	865.20	865.93	864.41	865.73	864.98
9	865.59	---	865.71	865.59	865.69	865.92	865.74	865.14	865.96	864.61	865.45	865.35
10	865.58	---	865.56	865.62	865.72	865.95	865.78	865.14	865.96	865.63	864.98	865.08
11	865.81	864.94	865.69	865.54	865.57	865.91	865.66	865.67	865.93	865.89	864.90	865.30
12	865.74	865.46	865.40	865.72	865.48	865.84	865.79	865.77	865.89	865.94	865.09	865.91
13	865.36	865.67	865.31	865.48	865.61	865.75	865.77	865.84	865.92	865.58	865.47	865.65
14	864.72	865.45	865.61	865.51	865.52	865.85	865.80	865.90	865.90	865.05	865.22	865.32
15	865.23	865.62	865.41	865.59	865.64	865.88	865.88	865.50	865.92	865.38	865.83	865.30
16	865.38	865.56	865.06	865.21	865.67	865.69	865.89	865.37	865.89	865.54	865.86	865.51
17	865.67	865.42	865.33	865.57	865.89	865.86	865.87	865.90	865.92	865.49	865.69	865.17
18	865.95	864.88	865.35	865.63	865.94	865.77	865.84	865.93	865.91	865.52	865.56	865.53
19	865.94	865.36	865.38	864.74	865.97	865.66	865.82	865.88	865.93	865.46	865.59	865.57
20	865.72	865.15	865.53	864.79	865.94	865.72	865.36	865.90	865.92	865.48	865.56	864.42
21	865.18	864.97	865.45	865.75	865.97	865.55	865.03	865.90	865.85	865.52	865.70	865.58
22	865.28	864.67	865.39	865.88	865.96	865.60	864.94	865.88	865.90	865.51	865.79	865.31
23	865.24	864.76	865.36	865.85	865.94	865.72	864.79	865.89	865.90	865.47	865.80	865.59
24	865.24	864.70	865.62	865.86	865.95	865.77	864.79	865.91	865.92	865.39	865.80	865.15
25	865.71	864.77	865.79	865.01	865.93	865.84	864.52	865.88	865.90	865.83	865.43	865.06
26	865.67	865.14	865.58	865.51	865.80	865.79	---	865.85	865.92	865.34	865.47	864.67
27	865.60	864.99	865.62	865.74	865.92	865.92	---	865.85	865.93	865.54	865.18	---
28	865.81	---	865.67	865.63	865.95	865.91	865.31	865.89	865.59	865.52	865.38	---
29	865.85	865.85	865.66	865.60	865.91	865.79	865.60	865.85	865.82	865.20	865.76	---
30	865.79	865.86	865.75	865.79	---	865.58	865.89	865.87	865.76	865.15	865.64	---
31	865.71	---	865.71	865.68	---	865.67	---	865.93	---	865.39	865.41	---
MEAN	865.60	---	865.43	865.59	865.76	865.81	---	865.72	865.90	865.30	865.52	---
MAX	865.96	---	865.79	865.95	865.97	865.95	---	865.93	865.96	865.94	865.86	---
MIN	864.72	---	864.12	864.74	865.35	865.55	---	865.13	865.59	863.94	864.90	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335810 CHATTAHOOCHEE RIVER AT MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335806 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00* CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	---	0.00	0.50
2	0.00	0.00	0.00	0.00	0.67	0.08	0.00	0.39	0.00	---	0.00	0.10
3	0.00	0.00	0.05	0.00	0.08	0.00	0.00	0.00	0.01	---	0.00	0.00
4	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
5	0.00	0.36	0.01	0.45	0.03	0.00	0.00	0.00	0.00	---	2.60	0.00
6	0.01	0.26	0.00	0.00	1.56	0.45	0.00	0.00	0.00	---	0.00	0.00
7	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	3.60
8	0.69	0.00	0.00	0.05	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.25	0.00	0.02	0.00	0.00	0.00	0.30	0.00	0.00
10	0.01	0.00	0.91	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00
11	0.01	0.00	0.00	0.00	0.16	0.00	0.33	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.01	0.71	0.00	0.34	0.01	0.00	0.00	1.20	0.00
13	0.00	0.00	0.53	0.00	0.00	0.00	0.46	0.01	0.01	0.00	0.00	0.00
14	0.06	0.00	0.21	0.00	0.35	0.00	0.00	0.01	0.01	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	1.47	0.00	0.00	0.00
16	0.00	0.01	0.18	0.00	0.01	0.09	0.00	0.01	0.08	0.00	0.00	4.60
17	0.04	0.44	0.15	0.23	0.00	0.00	0.00	0.00	0.01	2.70	0.00	0.00
18	0.01	1.61	0.00	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
19	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.30	0.00
21	0.01	0.00	0.00	0.00	0.05	0.01	0.00	0.00	1.13	0.00	0.10	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.76	0.00	0.00	0.00
23	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
24	0.00	0.25	0.00	0.00	0.03	0.00	0.00	0.00	0.17	0.40	0.10	0.00
25	0.00	0.00	0.00	2.04	0.15	0.00	0.00	0.00	0.33	1.90	2.30	0.10
26	2.08	0.00	0.00	0.02	0.42	0.00	1.69	0.00	0.17	0.80	0.00	0.00
27	0.02	0.92	0.01	0.00	0.01	0.00	0.02	0.00	1.07	0.00	0.00	---
28	0.01	0.05	0.00	0.00	0.01	0.00	0.00	0.01	0.57	0.00	0.00	---
29	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.81	0.00	0.50	0.10	---
30	0.00	0.01	0.16	0.00	---	0.67	0.00	0.02	---	0.00	0.10	---
31	0.00	---	0.00	0.00	---	0.15	---	0.95	---	0.00	0.00	---
TOTAL	2.98	5.13	3.24	3.13	4.71	1.48	2.87	2.57	---	---	6.80	---

2004 Water Year

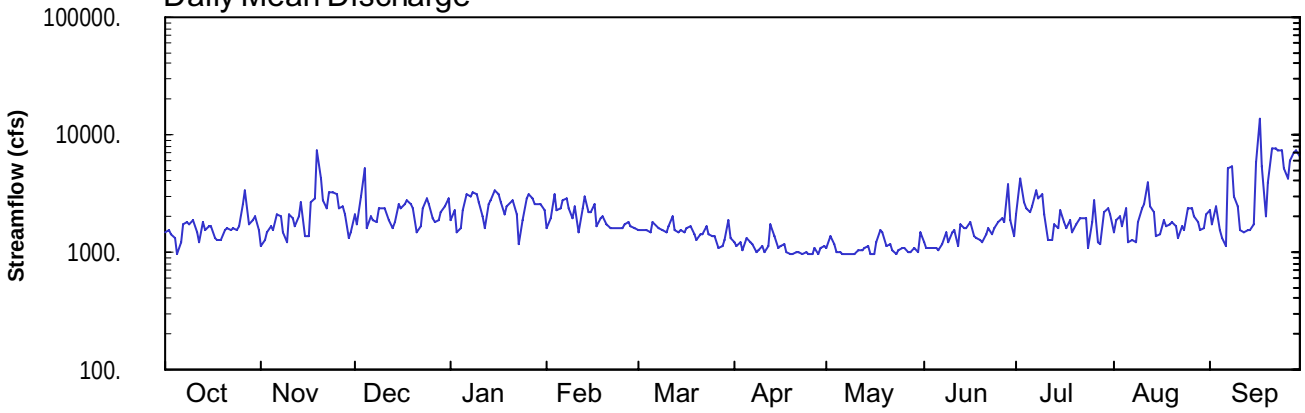
APALACHICOLA RIVER BASIN

02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA

Latitude: 33°58'05" Longitude: 084°22'58" Hydrologic Unit Code: 03130001

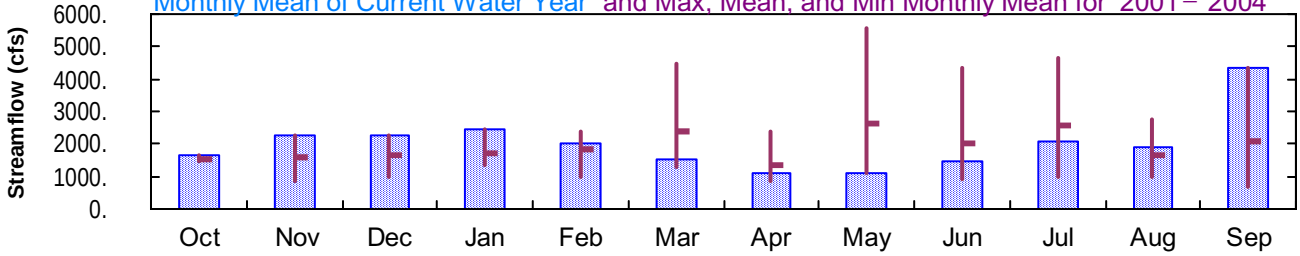
Fulton County Datum: -12.52 feet Drainage Area: 1370. mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



APALACHICOLA RIVER BASIN
2004 Water Year

02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, AT SANDY SPRINGS, GA

LOCATION.—Lat 33°58'05", long 84°22'58", referenced to North American Datum (NAD) of 1983, Cobb-Fulton County Line, Hydrologic Unit 03130001, on left bank 400.00 feet downstream of Morgan Falls Dam, 3.8 miles upstream from mouth of Sope Creek.

DRAINAGE AREA.—1,370 square miles, approximately.

COOPERATION.—Georgia Power.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 9, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 12.52 feet below National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.--Records good, except for periods of estimated discharge, which are fair. Flow regulated by Lake Sidney Lanier since January 1956.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 9, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 12.52 feet below National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum gage-height recorded, 824.71 feet, September 17; minimum gage-height recorded, 810.56 feet, July 10.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335805 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00* CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1470	e1140	2140	1870	1620	1530	1240	1080	e1200	2090	1480	2290
2	1570	e1250	1710	2260	1910	1530	1120	1360	e1100	4190	1850	1700
3	1400	e1500	2980	1450	3150	1560	1210	1160	e1080	2700	2050	2460
4	1300	e1670	5090	1590	2260	1530	1050	1000	e1100	2350	1680	1510
5	973	1530	1590	2230	2330	1500	1340	982	1100	2170	2330	1320
6	1200	2100	1980	3070	2750	1770	1190	957	1050	2470	1200	1120
7	1700	1990	1850	2960	2840	1680	1180	951	1180	3390	1240	5110
8	1800	1460	1810	3220	2350	1570	1010	951	1480	2850	1200	5290
9	1700	1220	2360	3110	1910	1530	1020	951	1210	3070	1770	3040
10	1860	2090	2390	2700	2430	1470	1140	956	1470	2110	2350	2430
11	1500	1960	2390	2050	1450	1670	999	1030	1520	1250	2530	1530
12	1220	1640	1880	1630	2350	2060	1140	1030	1130	1270	3970	1480
13	1800	2010	1600	2530	2980	1520	1710	1080	1730	1750	2450	1560
14	1560	2640	1800	2810	2160	1450	1370	1130	1570	1590	2170	1510
15	1630	1390	2520	3380	2200	1550	1100	978	1620	2280	1350	1710
16	1630	1350	2400	3090	2590	1500	1110	966	1790	1780	1400	5710
17	1290	2610	2540	2630	1630	1610	1150	1210	1350	1620	1900	13600
18	1290	2850	2730	2080	1930	1660	1000	1560	1310	1850	1680	5410
19	1270	7460	2520	2480	2040	1420	977	e1490	1260	1480	1750	2050
20	1520	4160	2380	2630	1730	1270	976	1130	1200	1760	1800	3880
21	1580	2750	1480	2770	1620	1410	989	1190	1410	1940	1680	7480
22	1540	2330	1660	2090	1600	1400	984	1040	1600	1950	1300	7660
23	1610	3200	2370	1170	1570	1680	976	951	1430	1930	1660	7440
24	1520	3260	2850	1850	1590	1400	986	1020	1570	1070	1560	7460
25	1630	3160	2500	2910	1610	1370	979	e1070	1830	1780	2350	5090
26	2580	2400	1910	3110	1740	1360	977	1070	1970	2710	2340	4310
27	3350	2460	1810	2900	1780	1100	1100	1010	1800	1240	2000	6030
28	1700	2070	1840	2600	1630	1110	971	1020	3710	1150	1770	6930
29	1890	1300	2180	2550	1580	1260	1070	e1100	1880	2220	e1550	7410
30	1990	1490	2500	2590	---	1890	1130	984	1350	2400	e1600	6480
31	e1560	---	2840	2230	---	1310	---	e1500	---	2080	2090	---
TOTAL	50633	68440	70600	76540	59330	46670	33194	33907	45000	64490	58050	131000
MEAN	1633	2281	2277	2469	2046	1505	1106	1094	1500	2080	1873	4367
MAX	3350	7460	5090	3380	3150	2060	1710	1560	3710	4190	3970	13600
MIN	973	1140	1480	1170	1450	1100	971	951	1050	1070	1200	1120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	1549	1594	1639	1692	1808	2410	1362	2613	2046	2560	1665	2089
MAX	1633	2281	2277	2469	2366	4466	2414	5579	4355	4636	2775	4367
(WY)	2004	2004	2004	2004	2003	2003	2003	2003	2003	2003	2003	2004
MIN	1465	856	1000	1353	1002	1258	836	1094	928	963	974	679
(WY)	2003	2002	2002	2002	2002	2002	2001	2004	2002	2002	2001	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	1098663		737854			
ANNUAL MEAN	3010		2016		2462	
HIGHEST ANNUAL MEAN					2909	2003
LOWEST ANNUAL MEAN					2016	2004
HIGHEST DAILY MEAN	12100	Mar 6	13600	Sep 17	13600	Sep 17 2004
LOWEST DAILY MEAN	973	Oct 5	951	May 7 a	630	Sep 23 2001
ANNUAL SEVEN-DAY MINIMUM	1280	Jan 13	964	May 4	641	Sep 17 2001
MAXIMUM PEAK FLOW			20900	Sep 17	20900	Sep 17 2004
MAXIMUM PEAK STAGE			824.71	Sep 17	824.71	Sep 17 2004
10 PERCENT EXCEEDS	5950		3000		5290	
50 PERCENT EXCEEDS	2320		1660		1790	
90 PERCENT EXCEEDS	1290		1070		1110	

e Estimated
a Also May 8,9,23

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335805 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00* CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	811.65	---	812.72	812.15	811.71	811.68	811.37	811.27	---	812.89	811.96	812.93
2	811.78	---	812.24	812.66	812.11	811.68	811.21	811.77	---	814.92	812.45	812.21
3	811.61	---	813.74	811.58	813.70	811.74	811.36	811.42	---	813.37	812.68	813.15
4	811.44	---	815.55	811.78	812.57	811.70	811.08	811.14	---	813.02	812.24	811.98
5	810.97	811.74	812.00	812.59	812.65	811.67	811.53	811.09	811.31	812.83	813.00	811.69
6	811.33	812.34	812.59	813.67	813.20	812.02	811.34	811.04	811.22	813.17	811.50	811.37
7	811.94	812.23	812.42	813.52	813.31	811.92	811.33	811.03	811.43	814.13	811.57	815.17
8	812.03	811.67	812.31	813.83	812.67	811.78	811.03	811.03	811.93	813.60	811.51	815.72
9	811.88	811.37	813.03	813.69	812.11	811.74	811.06	811.03	811.51	813.85	812.33	813.81
10	812.06	812.25	813.07	813.16	812.77	811.65	811.27	811.04	811.92	812.63	813.01	813.13
11	811.69	812.22	813.05	812.32	811.51	811.93	811.02	811.19	811.95	811.56	813.25	812.04
12	811.37	811.84	812.42	811.72	812.67	812.42	811.28	811.19	811.39	811.59	814.54	811.88
13	811.98	812.15	812.02	812.90	813.49	811.71	812.18	811.28	812.27	812.29	813.15	812.05
14	811.74	812.72	812.30	813.28	812.44	811.62	811.69	811.37	812.05	812.05	812.80	812.00
15	811.84	811.54	813.16	813.99	812.50	811.76	811.24	811.08	812.10	812.94	811.73	812.24
16	811.86	811.44	813.01	813.65	812.98	811.71	811.27	811.06	812.35	812.33	811.79	815.34
17	811.38	812.56	813.17	813.05	811.76	811.84	811.35	811.50	811.75	812.11	812.45	820.78
18	811.39	812.90	813.39	812.35	812.15	811.91	811.07	812.03	811.69	812.44	812.17	815.77
19	811.41	816.33	813.13	812.85	812.29	811.60	811.02	---	811.60	811.89	812.22	812.65
20	811.76	814.76	812.96	813.03	811.90	811.39	811.03	811.37	811.50	812.29	812.36	814.36
21	811.78	813.47	811.73	813.22	811.77	811.60	811.07	811.49	811.80	812.52	812.17	817.20
22	811.78	812.99	812.00	812.33	811.74	811.60	811.06	811.20	812.11	812.55	811.66	817.31
23	811.86	813.96	812.91	811.07	811.70	811.99	811.05	811.03	811.87	812.54	812.13	817.18
24	811.75	814.04	813.49	811.99	811.73	811.61	811.08	811.17	812.07	811.26	812.03	817.18
25	811.82	813.88	813.06	813.41	811.76	811.57	811.07	---	812.43	812.30	812.99	815.46
26	812.59	813.04	812.24	813.63	811.92	811.56	811.07	811.26	812.58	813.39	813.01	814.79
27	813.26	813.14	812.13	813.39	811.99	811.12	811.31	811.16	812.33	811.55	812.63	816.26
28	811.88	812.66	812.20	813.00	811.81	811.15	811.07	811.17	814.51	811.41	812.32	816.82
29	812.11	811.66	812.59	812.93	811.74	811.42	811.24	---	812.68	812.90	---	817.15
30	812.23	811.91	813.01	813.00	---	812.28	811.38	811.10	811.98	813.11	---	816.57
31	---	---	813.42	812.53	---	811.47	---	---	---	812.72	812.71	---
MEAN	---	---	812.81	812.85	812.30	811.70	811.24	---	---	812.65	---	814.54
MAX	---	---	815.55	813.99	813.70	812.42	812.18	---	---	814.92	---	820.78
MIN	---	---	811.73	811.07	811.51	811.12	811.02	---	---	811.26	---	811.37

APALACHICOLA RIVER BASIN
2004 Water Year

02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, AT SANDY SPRINGS, GA

LOCATION.—Lat 33°58'05", long 84°22'58", referenced to North American Datum (NAD) of 1983, Cobb-Fulton County Line, Hydrologic Unit 03130001, on left bank 400.00 feet downstream of Morgan Falls Dam, 3.8 miles upstream from mouth of Sope Creek.

DRAINAGE AREA.—1,370 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—January 13, 2004 to September 30, 2004**.**

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: January 13, 2004 to September 30, 2004**.**

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 23.6°C, July 28; minimum recorded, 5.2°C, February 8.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335805 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00 CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	9.4	7.8	8.4
14	---	---	---	---	---	---	---	---	---	9.6	8.2	8.9
15	---	---	---	---	---	---	---	---	---	9.8	8.7	9.2
16	---	---	---	---	---	---	---	---	---	9.6	8.2	8.8
17	---	---	---	---	---	---	---	---	---	8.8	8.3	8.5
18	---	---	---	---	---	---	---	---	---	9.4	8.4	8.9
19	---	---	---	---	---	---	---	---	---	9.4	7.8	8.5
20	---	---	---	---	---	---	---	---	---	8.4	7.1	7.8
21	---	---	---	---	---	---	---	---	---	8.3	6.9	7.7
22	---	---	---	---	---	---	---	---	---	8.3	7.0	7.7
23	---	---	---	---	---	---	---	---	---	8.2	6.9	7.5
24	---	---	---	---	---	---	---	---	---	8.3	6.6	7.3
25	---	---	---	---	---	---	---	---	---	8.5	7.4	8.1
26	---	---	---	---	---	---	---	---	---	7.4	5.8	6.5
27	---	---	---	---	---	---	---	---	---	7.2	5.6	6.4
28	---	---	---	---	---	---	---	---	---	6.8	5.5	6.2
29	---	---	---	---	---	---	---	---	---	7.6	5.7	6.6
30	---	---	---	---	---	---	---	---	---	8.0	6.5	7.4
31	---	---	---	---	---	---	---	---	---	8.0	6.3	7.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335805 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00 CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.6	6.6	7.1	10.8	8.9	9.8	12.8	11.3	11.8	15.7	14.5	15.0
2	7.4	6.2	6.9	12.1	10.8	11.6	12.1	10.9	11.6	15.9	15.1	15.5
3	7.4	6.1	6.7	13.0	12.0	12.5	13.4	11.7	12.6	15.8	14.8	15.1
4	7.3	6.3	6.8	12.8	12.3	12.6	13.9	12.6	13.2	16.0	14.6	15.3
5	7.1	6.5	6.7	12.7	12.5	12.6	13.7	12.1	12.9	16.8	14.8	15.9
6	7.4	6.6	6.9	14.0	12.6	13.3	13.1	11.6	12.5	18.7	16.0	17.4
7	7.1	6.0	6.6	13.9	12.9	13.4	14.4	12.7	13.6	19.8	17.7	18.8
8	6.8	5.2	6.0	13.1	11.1	11.8	14.8	13.5	14.2	20.9	18.3	19.4
9	7.0	6.3	6.5	11.1	10.0	10.5	15.8	13.9	14.9	20.1	18.6	19.3
10	7.2	6.3	6.8	10.3	9.4	9.9	15.5	14.4	14.9	20.0	17.9	18.9
11	7.6	7.0	7.2	10.6	9.2	9.9	14.7	14.0	14.3	18.8	17.8	18.4
12	7.7	7.3	7.6	11.1	9.3	10.3	14.3	13.6	13.9	17.9	17.1	17.5
13	8.2	6.8	7.5	11.0	9.2	10.1	13.8	12.1	12.9	---	---	---
14	8.4	7.6	7.9	11.6	10.9	11.2	12.3	11.0	11.8	18.2	17.2	17.7
15	8.4	8.0	8.2	12.3	11.6	12.0	13.6	12.0	12.7	19.5	17.1	18.3
16	8.1	7.3	7.6	12.8	12.0	12.4	15.0	13.1	14.0	19.9	18.5	19.1
17	7.5	6.8	7.2	12.6	11.8	12.3	16.2	14.3	15.2	19.3	17.9	18.5
18	8.2	6.9	7.6	12.5	10.6	11.3	16.8	15.3	16.1	18.4	16.7	17.6
19	8.9	7.1	8.0	12.7	11.1	11.8	18.1	15.9	17.0	---	---	---
20	8.9	7.6	8.2	13.2	11.9	12.5	18.5	17.0	17.8	19.2	16.9	17.9
21	9.8	8.6	9.3	14.1	12.5	13.3	18.4	17.1	17.6	20.6	18.7	19.5
22	10.0	9.1	9.6	12.5	11.0	11.3	17.6	16.3	17.0	20.3	18.6	19.5
23	9.8	8.4	9.1	11.1	9.9	10.5	18.3	17.0	17.7	---	---	---
24	8.8	8.5	8.7	11.7	9.6	10.6	18.4	17.4	17.8	21.4	20.0	20.7
25	8.8	8.2	8.6	12.7	11.4	12.0	18.2	17.4	17.7	---	---	---
26	8.2	6.8	7.3	14.6	12.5	13.5	17.7	16.3	17.3	20.9	19.8	20.4
27	7.0	6.6	6.8	15.2	13.6	14.3	16.3	15.3	15.8	---	---	---
28	8.4	6.6	7.4	16.4	13.9	15.1	16.3	14.6	15.5	21.4	20.2	20.8
29	8.9	8.0	8.5	16.1	15.3	15.7	16.6	15.4	16.0	---	---	---
30	---	---	---	15.4	14.0	14.8	15.4	14.6	14.9	19.9	18.6	19.2
31	---	---	---	14.7	12.8	13.2	---	---	---	---	---	---
MONTH	10.0	5.2	7.6	16.4	8.9	12.1	18.5	10.9	14.8	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335805 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00 CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	20.0	18.4	19.2	19.0	16.6	17.6	17.4	14.7	15.8
2	---	---	---	19.9	15.8	17.8	19.0	16.6	17.9	16.4	15.5	15.9
3	19.3	17.9	18.6	19.4	13.6	16.2	18.1	15.5	16.9	16.4	13.3	14.5
4	---	---	---	19.1	17.7	18.3	18.7	16.4	17.6	15.8	14.6	15.2
5	20.0	18.7	19.3	19.5	17.2	18.2	18.6	15.8	17.0	17.6	15.0	16.2
6	20.5	18.5	19.5	20.8	17.3	18.7	20.9	18.1	19.4	19.1	17.6	18.4
7	19.7	18.1	19.1	18.0	13.1	15.7	21.3	19.4	20.2	20.8	19.1	20.1
8	19.2	16.4	17.7	18.2	12.9	15.5	20.0	18.9	19.4	21.5	20.2	21.1
9	19.4	18.4	19.0	17.6	13.1	14.8	18.9	17.1	17.9	22.9	20.7	21.7
10	20.0	17.7	18.8	16.3	12.7	14.3	18.1	13.5	15.2	22.3	16.6	18.5
11	19.6	17.7	18.5	20.1	16.3	18.1	15.5	13.0	14.0	18.4	16.5	17.4
12	21.4	18.6	19.9	20.9	19.7	20.1	17.8	14.6	16.0	18.2	16.1	17.3
13	21.3	19.7	20.4	20.9	19.8	20.3	20.7	17.0	18.7	18.1	16.8	17.5
14	21.5	19.9	20.7	20.9	17.0	18.6	20.5	15.1	17.1	17.6	16.0	16.6
15	21.3	19.4	20.7	21.1	17.3	19.4	17.5	15.3	16.3	16.5	15.1	15.6
16	21.0	19.4	20.2	20.6	19.1	20.0	19.1	17.4	18.2	21.4	15.3	16.7
17	22.2	20.5	21.2	20.1	17.4	18.3	18.8	16.9	17.9	22.3	21.0	21.7
18	22.1	20.9	21.4	21.1	18.7	19.8	17.8	15.6	16.9	22.2	21.1	21.6
19	22.8	20.8	21.7	21.1	18.2	19.5	18.0	15.7	17.0	21.2	19.8	20.5
20	23.3	21.5	22.2	19.8	17.4	18.6	17.8	16.0	16.9	19.8	12.6	15.9
21	22.1	19.6	21.0	18.6	16.1	17.2	17.3	16.3	16.8	13.5	12.0	12.7
22	20.7	18.6	19.6	17.5	15.5	16.6	18.7	16.6	17.5	13.3	11.9	12.6
23	21.0	20.0	20.4	18.3	15.7	17.0	18.8	17.0	17.9	13.4	11.9	12.6
24	20.5	19.7	20.2	20.0	17.4	18.6	17.6	16.1	17.0	13.5	12.1	12.8
25	19.9	19.0	19.5	20.0	17.3	18.6	17.8	15.6	16.9	14.2	12.5	13.3
26	20.0	19.2	19.6	20.2	18.1	19.2	18.6	16.4	17.8	14.7	12.9	13.7
27	20.5	19.8	20.1	21.1	19.4	20.4	18.1	16.1	16.9	17.6	12.8	13.5
28	20.7	18.7	19.9	23.6	20.6	22.2	17.3	15.7	16.6	19.5	15.9	18.6
29	22.4	20.3	21.3	23.0	16.8	18.8	17.8	16.3	17.0	15.9	13.4	14.7
30	22.1	19.7	20.9	17.1	15.5	16.3	19.2	17.7	18.6	14.0	12.9	13.3
31	---	---	---	19.8	16.6	17.9	19.2	15.9	17.1	---	---	---
MONTH	---	---	---	23.6	12.7	18.2	21.3	13.0	17.4	22.9	11.9	16.5

2004 Water Year

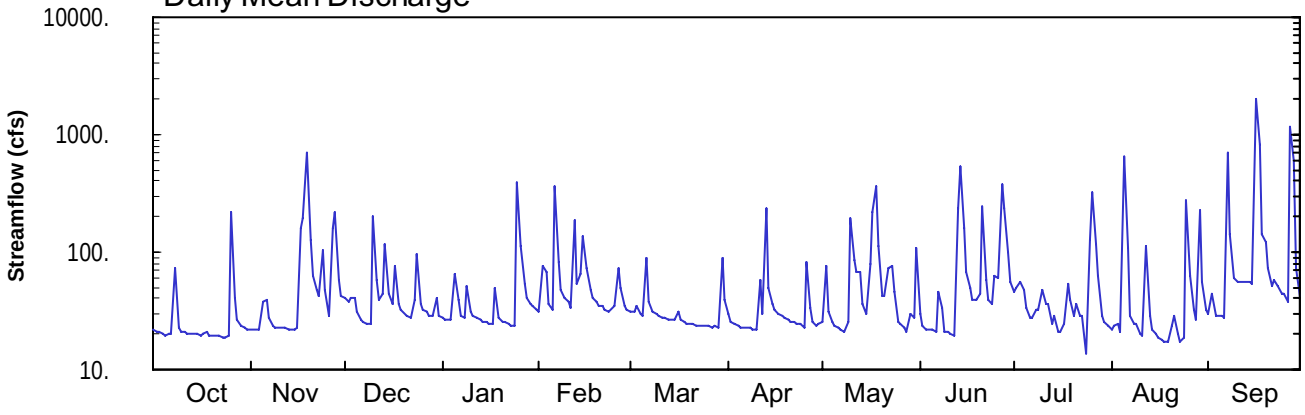
APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA

Latitude: 33°57'14" Longitude: 084°26'36" Hydrologic Unit Code: 03130001

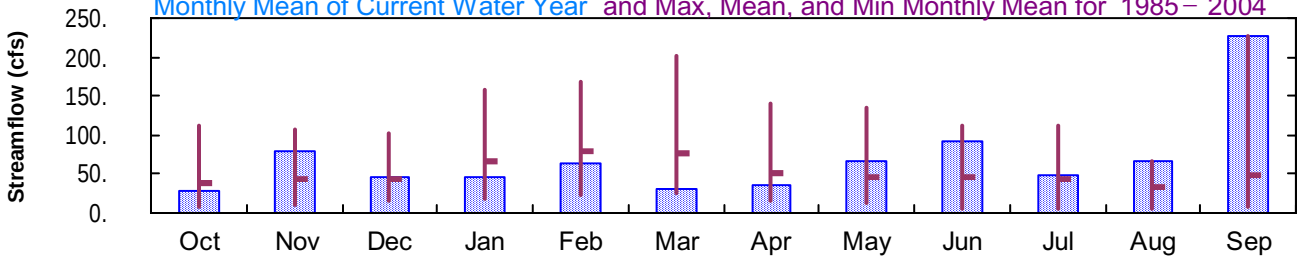
Cobb County Datum: 881.37 feet Drainage Area: 29.2 mi²

Daily Mean Discharge

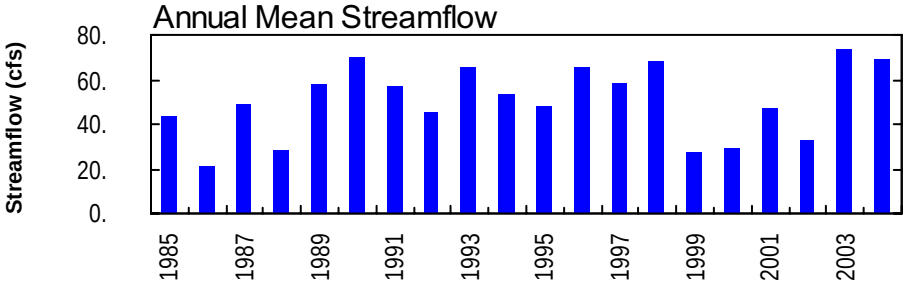


Monthly Statistics

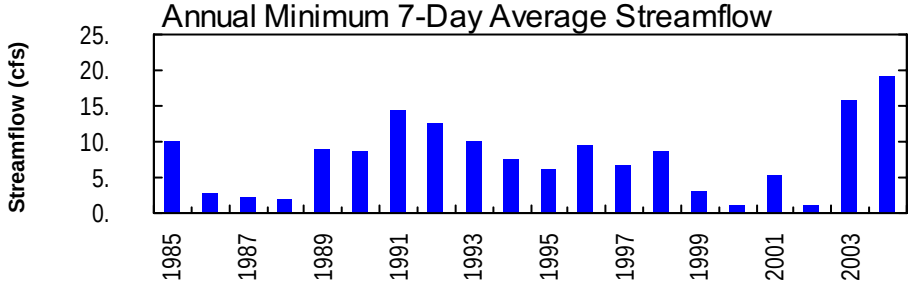
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1985 – 2004



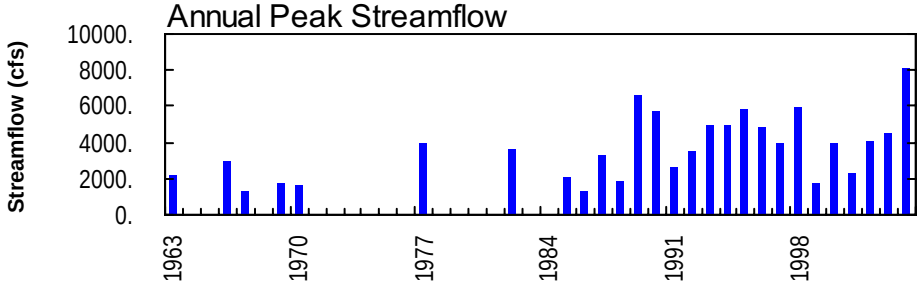
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02335870 SOPE CREEK NEAR MARIETTA, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°57'14", long 84°26'36", referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, on downstream side of bridge on Lower Roswell Road (South Roswell Road), 0.3 miles downstream from Bishop Creek, 6.1 miles east of Marietta, and 2.6 miles upstream from mouth.

DRAINAGE AREA.—29.2 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Atlanta Regional Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1984 to current year. Occasional low-flow measurements, water years 1944, 1951, 1953-55, 1957, 1961.

REVISED RECORDS.—WDR GA-89-1: 1985(P), 1986(M), 1987 (P, daily discharge, and monthly runoff), 1988(P).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 881.37 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records fair, except those for periods of estimated daily discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than a base discharge of 900 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
10/26	1000	907	7.30
11/19	0400	2,590	11.01
02/06	1245	1,510	9.03
05/10	2045	1,140	8.07
05/17	1500	1,220	8.29
05/18	1945	1,890	9.81
06/13	2345	2,640	11.09
06/27	2000	1,840	9.72
07/25	2330	1,500	9.00
08/05	1945	3,100	11.83
08/25	1530	1,460	8.91
08/29	1715	1,070	7.84
09/07	0815	2,060	10.10
09/16	2200	8,160*	17.47*
09/27	2145	2,950	11.70

02335870 SOPE CREEK NEAR MARIETTA, GA--continued.
(National Water-Quality Assessment station)

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 881.37 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.47 feet, September 16; minimum gage-height recorded, 1.74 feet, August 20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 29, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335870 SOPE CREEK NEAR MARIETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335714 LONGITUDE 0842636 NAD83 DRAINAGE AREA 29.20* CONTRIBUTING DRAINAGE AREA DATUM 881.37 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	22	e40	27	31	31	30	26	30	45	22	29
2	21	22	e38	27	76	30	26	77	24	49	23	43
3	21	22	e40	26	67	35	24	31	22	55	24	29
4	21	22	41	26	36	29	23	25	22	47	21	29
5	20	38	31	64	32	29	23	24	21	33	662	28
6	20	39	27	38	369	87	23	22	21	28	108	28
7	20	28	25	29	82	38	22	22	46	28	e29	702
8	73	23	24	28	48	31	22	21	33	e32	e24	142
9	22	22	24	51	40	30	22	26	21	e32	e24	61
10	21	22	204	31	37	29	22	194	21	e48	20	57
11	21	22	57	28	34	28	58	85	20	e36	19	56
12	20	22	39	27	190	27	30	68	20	e36	112	55
13	20	22	45	27	54	27	239	68	236	e25	29	55
14	20	22	115	26	65	27	50	36	527	e28	22	55
15	20	22	44	26	136	27	36	30	158	e21	20	54
16	19	23	36	25	72	31	32	79	68	e21	19	2020
17	20	159	75	25	48	26	30	219	e49	e25	18	813
18	21	191	37	50	41	25	29	363	e40	54	17	e143
19	20	717	33	28	37	25	28	111	e40	e40	17	e122
20	19	e127	30	25	35	24	26	43	e44	e28	23	e72
21	20	e63	29	25	35	25	26	e43	e250	e36	28	e51
22	19	e47	28	25	32	23	26	e73	57	e28	20	e58
23	19	e42	39	24	31	23	24	e75	39	e28	17	e51
24	19	e104	95	24	33	23	24	e47	36	14	19	e44
25	20	e47	36	397	35	23	23	26	62	129	279	e44
26	216	e29	32	110	72	23	83	24	59	326	64	e37
27	41	e161	30	54	49	23	33	22	372	117	32	e1190
28	26	e222	29	41	35	23	26	21	236	62	26	e600
29	24	e58	29	36	32	23	24	30	101	29	231	e72
30	23	e42	41	34	---	88	24	28	57	25	56	e43
31	22	---	29	32	---	39	---	109	---	23	32	---
TOTAL	909	2402	1422	1436	1884	972	1108	2068	2732	1528	2057	6783
MEAN	29.3	80.1	45.9	46.3	65.0	31.4	36.9	66.7	91.1	49.3	66.4	226
MAX	216	717	204	397	369	88	239	363	527	326	662	2020
MIN	19	22	24	24	31	23	22	21	20	14	17	28
CFSM	1.00	2.74	1.57	1.59	2.22	1.07	1.26	2.28	3.12	1.69	2.27	7.74
IN.	1.16	3.06	1.81	1.83	2.40	1.24	1.41	2.63	3.48	1.95	2.62	8.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	37.1	43.2	42.4	65.1	78.5	76.5	49.8	46.6	46.2	42.4	34.1	48.2
MAX	112	107	101	159	170	201	139	136	114	113	66.4	226
(WY)	1996	1993	1993	1993	1995	1990	1998	2003	1989	1989	2004	2004
MIN	7.07	11.3	14.6	18.5	23.2	25.1	16.0	12.3	4.65	4.89	5.71	7.30
(WY)	1988	2002	1989	1986	1986	1988	1986	2000	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	24895		25301			
ANNUAL MEAN	68.2		69.1		50.7	
HIGHEST ANNUAL MEAN					73.8	2003
LOWEST ANNUAL MEAN					21.8	1986
HIGHEST DAILY MEAN	1550	May 6	2020	Sep 16	2530	Feb 16 1995
LOWEST DAILY MEAN	14	Sep 21	14	Jul 24	0.79	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	16	Sep 15	19	Oct 19	1.2	Aug 14 2000
MAXIMUM PEAK FLOW			8160	Sep 16	8160	Sep 16 2004
MAXIMUM PEAK STAGE			17.47	Sep 16	17.47	Sep 16 2004
INSTANTANEOUS LOW FLOW					0.61	Jul 21 1988
ANNUAL RUNOFF (CFSM)	2.34		2.37		1.74	
ANNUAL RUNOFF (INCHES)	31.72		32.23		23.58	
10 PERCENT EXCEEDS	114		116		90	
50 PERCENT EXCEEDS	38		30		25	
90 PERCENT EXCEEDS	21		21		9.4	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335870 SOPE CREEK NEAR MARIETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335714 LONGITUDE 0842636 NAD83 DRAINAGE AREA 29.20* CONTRIBUTING DRAINAGE AREA DATUM 881.37 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.07	2.00	---	2.00	2.05	2.06	2.04	1.93	1.96	2.29	1.97	2.03
2	2.05	2.00	---	1.99	2.54	2.05	1.96	2.60	1.85	2.34	1.98	2.22
3	2.05	2.00	---	1.98	2.53	2.12	1.94	2.01	1.81	2.40	1.99	2.02
4	2.05	1.99	2.20	1.97	2.14	2.03	1.92	1.92	1.80	2.32	1.91	2.02
5	2.03	2.20	2.06	2.43	2.07	2.02	1.91	1.89	1.79	2.14	4.42	2.01
6	2.04	2.26	1.98	2.17	4.23	2.70	1.90	1.85	1.79	2.06	2.96	2.01
7	2.03	2.09	1.96	2.02	2.70	2.17	1.89	1.84	2.07	2.06	---	5.69
8	2.66	2.00	1.94	2.01	2.30	2.06	1.89	1.83	1.97	---	---	3.07
9	2.08	1.98	1.94	2.32	2.20	2.04	1.88	1.90	1.79	---	---	2.36
10	2.05	1.98	3.58	2.06	2.15	2.02	1.88	3.02	1.79	---	1.86	2.32
11	2.04	1.97	2.41	2.01	2.11	2.01	2.37	2.65	1.78	---	1.83	2.31
12	2.03	1.97	2.18	2.00	3.53	2.00	2.02	2.39	1.78	---	2.85	2.30
13	2.02	1.96	2.24	1.98	2.38	1.98	3.80	2.46	3.41	---	2.02	2.30
14	2.02	1.95	3.01	1.97	2.51	1.98	2.30	2.07	4.55	---	1.89	2.30
15	2.01	1.96	2.24	1.96	3.15	1.98	2.11	1.97	3.12	---	1.86	2.29
16	2.00	1.97	2.14	1.95	2.59	2.05	2.05	2.47	2.49	---	1.83	6.71
17	2.00	3.19	2.61	1.94	2.31	1.98	2.02	3.44	---	---	1.81	5.40
18	2.02	3.10	2.15	2.31	2.21	1.96	2.00	3.99	---	2.45	1.79	---
19	1.99	5.47	2.08	2.00	2.15	1.95	1.98	2.94	---	---	1.79	---
20	1.98	---	2.04	1.96	2.12	1.94	1.95	2.30	---	---	1.88	---
21	1.99	---	2.02	1.96	2.12	1.95	1.93	---	---	---	1.99	---
22	1.98	---	2.00	1.95	2.07	1.92	1.93	---	2.39	---	1.85	---
23	1.96	---	2.14	1.93	2.06	1.92	1.91	---	2.17	---	1.79	---
24	1.96	---	2.78	1.93	2.09	1.92	1.91	---	2.12	1.85	1.82	---
25	1.98	---	2.14	4.67	2.12	1.92	1.88	1.90	2.46	2.63	3.57	---
26	3.59	---	2.07	2.98	2.59	1.92	2.63	1.87	2.42	4.20	2.48	---
27	2.31	---	2.05	2.37	2.31	1.92	2.06	1.83	3.87	3.06	2.07	---
28	2.09	---	2.03	2.21	2.12	1.92	1.93	1.80	3.96	2.53	1.97	---
29	2.05	---	2.02	2.14	2.07	1.91	1.89	1.93	2.89	2.12	3.59	---
30	2.02	---	2.19	2.11	---	2.71	1.90	1.92	2.43	2.04	2.40	---
31	2.01	---	2.02	2.07	---	2.17	---	2.74	---	1.99	2.07	---
MEAN	2.10	---	---	2.17	2.40	2.04	2.06	---	---	---	---	---
MAX	3.59	---	---	4.67	4.23	2.71	3.80	---	---	---	---	---
MIN	1.96	---	---	1.93	2.05	1.91	1.88	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335870 SOPE CREEK NEAR MARIETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335714 LONGITUDE 0842636 NAD83 DRAINAGE AREA 29.20* CONTRIBUTING DRAINAGE AREA DATUM 881.37 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.01	0.00	0.01
2	0.00	0.00	0.00	0.00	0.67	0.10	0.00	0.32	0.00	0.19	0.00	0.33
3	0.00	0.00	0.14	0.00	0.09	0.00	0.00	0.00	0.00	0.06	0.00	0.00
4	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00
5	0.00	0.34	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.02	0.17	0.00	0.00	1.37	0.46	0.00	0.00	0.00	0.03	0.00	0.07
7	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	3.11
8	0.67	0.00	0.00	0.01	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.04
9	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00
10	0.03	0.00	0.02	0.00	0.03	0.00	0.00	0.54	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.16	0.00	0.42	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.71	0.00	0.36	0.33	0.00	0.01	0.97	0.00
13	0.00	0.00	0.01	0.00	0.00	0.00	0.61	0.01	4.33	0.00	0.00	0.00
14	0.04	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.02	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.81	0.00	0.00	0.00
16	0.00	0.01	0.01	0.00	0.01	0.07	0.00	0.20	0.06	0.00	0.00	4.54
17	0.05	0.53	0.00	0.01	---	0.00	0.00	1.36	0.05	0.00	0.00	0.11
18	0.00	1.84	0.00	0.00	0.00	0.00	0.00	0.38	0.01	0.00	0.00	0.00
19	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00
21	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	1.22	0.00	0.01	0.00
22	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.08	0.00	0.02	0.00
23	0.00	0.00	0.01	---	0.00	0.00	0.00	0.00	0.17	0.00	0.01	0.00
24	0.00	0.31	0.01	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00
25	0.00	0.00	0.00	2.08	0.12	0.00	0.00	0.00	0.36	0.00	1.35	0.00
26	1.69	0.00	0.00	0.01	0.42	0.00	0.79	0.00	0.10	0.00	0.00	0.00
27	0.02	1.08	0.00	0.00	0.11	0.00	0.00	0.00	0.97	0.00	0.00	3.63
28	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.59	0.00	0.00	0.01
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.54	0.00
30	0.00	0.00	0.00	0.00	---	0.78	0.01	0.01	0.07	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.11	---	0.78	---	0.00	0.00	---
TOTAL	2.54	5.27	0.47	---	---	1.56	2.23	4.51	9.00	0.49	3.51	11.85

APALACHICOLA RIVER BASIN
2004 Water Year

02335870 SOPE CREEK NEAR MARIETTA, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°57'14", long 84°26'36", referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, on downstream side of bridge on Lower Roswell Road (South Roswell Road), 0.3 miles downstream from Bishop Creek, 6.1 miles east of Marietta, and 2.6 miles upstream from mouth.

DRAINAGE AREA.—29.2 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program

.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1993 to current year.

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT													
17...	1400	1028	80020	26.00	2.0	40	3.5	745	9.5	93	7.3	104	13.4
NOV													
20...	1400	1028	80020	2.39	54	10	18	744	9.5	94	7.0	79	13.9
DEC													
15...	1500	1028	80020	2.22	40	10	3.7	748	10.7	91	6.8	80	7.7
JAN													
22...	1500	1028	80020	1.95	26	10	1.7	746	12.0	99	7.3	91	6.4
FEB													
18...	1345	1028	80020	2.20	39	10	1.6	750	10.6	93	7.3	87	8.9
MAR													
25...	1115	1028	80020	1.91	25	10	.6	757	10.4	98	7.1	98	12.2
APR													
20...	1600	1028	80020	1.96	24	40	2.6	746	8.6	98	7.1	97	20.8
MAY													
20...	1730	1028	80020	2.23	49	10	12	749	7.5	90	6.9	85	23.3
JUN													
29...	1130	1028	80020	2.74	76	10	40	749	7.7	90	6.6	64	22.3
JUL													
19...	1415	1028	80020	2.04	22	10	5.4	741	7.5	94	7.0	88	25.1
AUG													
18...	1145	1028	80020	1.80	12	10	2.7	746	8.2	94	6.9	107	21.2
SEP													
13...	1030	1028	80020	2.30	38	10	5.1	747	8.1	91	6.9	100	20.5

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)
OCT													
17...	32	39	7.07	3.6	<.04	.42	<.008	<.02	<.006	.007	.57	<.1	<.1
NOV													
20...	19	23	5.21	5.0	E.03	.62	<.008	.05	<.006	.041	.87	.4	.4
DEC													
15...	22	27	5.82	4.9	.06	.64	<.008	<.02	<.006	.016	.84	.3	.3
JAN													
22...	27	32	5.89	4.3	<.04	.72	<.008	<.02	<.006	.009	.76	.1	.1
FEB													
18...	25	30	5.97	5.4	E.04	.80	E.004	.03	<.006	.019	.93	.2	.2
MAR													
25...	30	35	6.91	4.1	E.02	.60	<.008	.04	<.006	.008	.69	.3	.3
APR													
20...	29	35	6.24	3.0	<.04	.55	<.008	.04	<.006	.012	.72	.2	.2
MAY													
20...	25	31	5.63	4.0	E.02	.57	E.005	.06	E.003	.029	.82	.5	.5
JUN													
29...	18	22	3.78	4.2	E.02	.45	<.008	.13	E.003	.069	.81	1.5	1.5
JUL													
19...	22	27	5.81	3.8	<.04	.42	<.008	.06	E.003	.016	.62	.3	.3
AUG													
18...	30	37	8.67	.8	E.02	.56	<.008	<.02	<.006	.011	.64	.3	.3
SEP													
13...	30	37	7.48	3.5	<.04	E.06	<.008	.06	<.006	.012	.69	.4	.4

Date	Organic carbon, water, fltrd, mg/L (00681)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT													
17...	1.5	<.006	E.028	<.006	<.004	<.005	.065	<.050	<.010	<.002	<.041	<.020	<.005
NOV													
20...	3.0	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
15...	1.7	<.006	<.006	<.006	<.005	<.005	.026	<.050	<.010	<.004	E.008	<.020	<.005
JAN													
22...	1.1	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
18...	1.3	<.006	E.011	<.006	<.005	<.005	E.398	<.050	<.010	<.004	<.041	<.020	<.005
MAR													
25...	1.2	<.006	E.009	<.006	<.005	<.005	.095	<.050	<.010	<.004	<.041	<.020	<.005
APR													
20...	1.4	<.006	E.010	<.006	<.005	<.005	.091	<.050	<.010	<.004	<.041	<.020	<.005
MAY													
20...	2.4	<.006	E.010	<.006	<.005	<.005	.111	<.050	<.010	<.004	E.016	<.020	<.005
JUN													
29...	3.8	<.006	E.007	<.006	<.005	<.005	.035	<.050	<.010	<.004	E.036	<.020	<.005
JUL													
19...	2.0	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	1.2	<.006	E.005	<.006	<.005	<.005	.013	<.050	<.010	<.004	<.041	<.020	<.005
SEP													
13...	1.6	--	--	--	--	--	--	--	--	--	--	--	--

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
OCT													
17...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
NOV													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
15...	<.006	<.018	<.003	<.012	.014	<.009	<.02	<.004	<.009	<.005	<.029	E.004	<.024
JAN													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
18...	<.006	<.018	<.003	E.005	<.005	<.009	<.02	<.004	<.009	<.005	E.005	E.005	E.007
MAR													
25...	<.006	<.018	<.003	E.004	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
APR													
20...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
MAY													
20...	<.006	<.018	<.003	<.012	.012	<.009	<.02	<.004	<.009	<.005	<.029	<.013	E.006
JUN													
29...	<.006	<.018	<.003	E.004	.011	<.009	<.02	<.004	<.009	<.005	<.029	E.004	E.005
JUL													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024
SEP													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)
OCT													
17...	<.007	<.003	<.004	<.035	<.027	<.006	E.007	<.006	<.002	<.007	<.003	<.010	<.004
NOV													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
15...	E.009	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004
JAN													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
18...	E.010	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004
MAR													
25...	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004
APR													
20...	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004
MAY													
20...	E.017	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004
JUN													
29...	E.021	<.003	E.003	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004
JUL													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004
SEP													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)
OCT													
17...	<.022	<.011	E.01	<.004	<.010	<.011	--	<.005	<.02	<.034	<.02	<.005	<.002
NOV													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
15...	<.022	<.011	.01	<.004	<.025	<.011	<.02	2.04	E.01	<.034	<.02	<.010	<.002
JAN													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
18...	E.013	<.011	.01	<.004	<.025	<.011	<.02	.590	.02	<.034	<.02	<.010	<.002
MAR													
25...	<.022	<.011	.01	<.004	<.025	<.011	<.02	.159	E.05	<.034	<.02	<.010	<.002
APR													
20...	<.022	<.011	.03	<.004	<.025	<.011	<.02	.155	.03	<.034	<.02	<.010	<.002
MAY													
20...	E.015	<.011	.05	<.004	<.025	<.011	<.02	.116	E.05	<.034	<.02	<.010	<.002
JUN													
29...	<.022	<.011	.03	<.004	<.025	<.011	<.02	.048	.02	<.034	<.02	<.010	<.002
JUL													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.022	<.011	.02	<.004	<.025	<.011	<.02	.013	.02	<.034	<.02	<.010	<.002
SEP													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT				
17...	<.009	88	3	.02
NOV				
20...	--	90	18	2.6
DEC				
15...	<.009	89	8	.85
JAN				
22...	--	93	3	.21
FEB				
18...	E.004	96	7	.76
MAR				
25...	<.009	90	5	.35
APR				
20...	<.009	69	6	.36
MAY				
20...	<.009	96	10	1.3
JUN				
29...	<.009	97	37	7.6
JUL				
19...	--	82	7	.43
AUG				
18...	<.009	--	8	.25
SEP				
13...	--	--	5	.54

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY								
28...	0900	80020	2.7	68	70.50	399	1.9	6.5

Remark codes used in this table:
< -- Less than
E -- Estimated value

APALACHICOLA RIVER BASIN
2004 Water Year

02335870 SOPE CREEK NEAR MARIETTA, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°57'14", long 84°26'36", referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, on downstream side of bridge on Lower Roswell Road (South Roswell Road), 0.3 miles downstream from Bishop Creek, 6.1 miles east of Marietta, and 2.6 miles upstream from mouth.

DRAINAGE AREA.—29.2 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Atlanta Regional Commission.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—1993 to present. Current water year data: May 28, 2004 (invertebrates) and November 19, 2004 (fishes).

REMARKS.—Data collection protocols used are from the Revised Protocols for Sampling Algal, Invertebrate, and Fish Communities as Part of the National Water-Quality Assessment Program (USGS, Open File Report 02-150, 2002). The Biological Group of the USGS National Water Quality Laboratory identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 180 meters. Invertebrate data abbreviations: QMH-qualitative sample, RTH-quantitative sample, sp.-species, L-larvae, A-adult, P-pupae. Fish abbreviations: sp.-species, 11A-pass 1, 11B-pass 2, TL-total length, mm-millimeters, g-grams.

Invertebrates

Sample Type	Order	Family	Scientific Name	Lifestage	Abundance
QMH	Ephemeroptera	Baetidae	Centroptilum/Procloeon sp.	L	1
QMH	Ephemeroptera	Baetidae	Baetis sp.	L	1
QMH	Ephemeroptera	Baetidae	Baetis flavistriga McDunnough	L	1
QMH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	1
QMH	Ephemeroptera	Baetidae	Pseudocloeon sp.	L	1
QMH	Odonata	Coenagrionidae	Argia sp.	L	1
QMH	Odonata	Aeshnidae	Boyeria vinosa (Say)	L	1
QMH	Odonata	Gomphidae	Progomphus obscurus (Rambur)	L	1
QMH	Hemiptera	Gerridae	Gerrinae	L	1
QMH	Hemiptera	Gerridae	Aquarius remigis (Say)	A	1
QMH	Hemiptera	Gerridae	Rheumatobates sp.	L	1
QMH	Hemiptera	Veliidae	Microvelia sp.	A	1
QMH	Hemiptera	Veliidae	Microvelia sp.	L	1
QMH	Hemiptera	Veliidae	Rhagovelia obesa Uhler	A	1
QMH	Trichoptera	Hydropsychidae	Ceratopsyche sparna (Ross)	L	1
QMH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	1
QMH	Trichoptera	Hydropsychidae	Hydropsyche sp.	L	1
QMH	Trichoptera	Hydropsychidae	Hydropsyche depravata group	L	1
QMH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	A	1
QMH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	L	1
QMH	Diptera	Chironomidae	Chironomidae	L	1
QMH	Diptera	Chironomidae	Dicrotendipes sp.	L	1
QMH	Diptera	Chironomidae	Phaenopsectra sp.	L	1
QMH	Diptera	Chironomidae	Polypedilum sp.	L	1
QMH	Diptera	Chironomidae	Robackia sp.	L	1
QMH	Diptera	Chironomidae	Tribelos sp.	L	1
QMH	Diptera	Chironomidae	Paratanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Rheotanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Tanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Brillia sp.	L	1

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Sample Type	Order	Family	Scientific Name	Lifestage	Abundance
QMH	Diptera	Chironomidae	Cricotopus sp.	L	1
QMH	Diptera	Chironomidae	Cricotopus bicinctus group	L	1
QMH	Diptera	Chironomidae	Parametriocnemus sp.	L	1
QMH	Diptera	Chironomidae	Rheocricotopus sp.	L	1
QMH	Diptera	Chironomidae	Tvetenia sp.	L	1
QMH	Diptera	Chironomidae	"Thienemannimyia group sp.	L	1
QMH	Diptera	Chironomidae	Ablabesmyia sp.	L	1
QMH	Diptera	Chironomidae	Zavrelimyia sp.	L	1
QMH	Diptera	Simuliidae	Simulium sp.	L	1
QMH	Diptera	Simuliidae	Simulium sp.	P	1
QMH	Diptera	Tipulidae	Tipula sp.	L	1
RTH	Basommatophora	Ancylidae	Ancylidae		12
RTH	Megadrile				23
RTH	Tubificida	Naididae	Naididae		23
RTH	Acari				46
RTH	Decapoda	Cambaridae	Cambaridae		2
RTH	Ephemeroptera	Baetidae	Baetidae L		196
RTH	Ephemeroptera	Baetidae	Acentrella sp.	L	23
RTH	Ephemeroptera	Baetidae	Baetis sp.	L	58
RTH	Ephemeroptera	Baetidae	Baetis flavistriga McDunnough	L	184
RTH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	35
RTH	Ephemeroptera	Baetidae	Heterocloeon sp.	L	12
RTH	Hemiptera	Veliidae	Rhagovelia obesa Uhler	A	12
RTH	Trichoptera	Hydropsychidae	Hydropsychidae	L	438
RTH	Trichoptera	Hydropsychidae	Ceratopsyche sparna (Ross)	L	161
RTH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	92
RTH	Trichoptera	Hydropsychidae	Hydropsyche sp.	L	334
RTH	Trichoptera	Hydropsychidae	Hydropsyche depravata group	L	92
RTH	Coleoptera	Elmidae	Stenelmis sp.	A	12
RTH	Coleoptera	Psephenidae	Ectopria sp.	L	12
RTH	Diptera	Chironomidae	Chironomidae	P	12
RTH	Diptera	Chironomidae	Chironominae	P	35
RTH	Diptera	Chironomidae	Phaenopsectra/Tribelos sp.	L	12
RTH	Diptera	Chironomidae	Polypedilum sp.	L	23
RTH	Diptera	Chironomidae	Paratanytarsus sp.	L	12
RTH	Diptera	Chironomidae	Rheotanytarsus sp.	L	945
RTH	Diptera	Chironomidae	Rheotanytarsus sp.	P	69
RTH	Diptera	Chironomidae	Tanytarsus sp.	L	12
RTH	Diptera	Chironomidae	Orthocladiinae	P	46
RTH	Diptera	Chironomidae	Cricotopus/Orthocladius sp.	L	35
RTH	Diptera	Chironomidae	Brillia sp.	L	12
RTH	Diptera	Chironomidae	Cardiocladius sp.	L	35
RTH	Diptera	Chironomidae	Cricotopus sp.	L	69
RTH	Diptera	Chironomidae	Cricotopus bicinctus group	L	35
RTH	Diptera	Chironomidae	Eukiefferiella sp.	L	46
RTH	Diptera	Chironomidae	Rheocricotopus sp.	L	23
RTH	Diptera	Chironomidae	Thienemanniella sp.	L	35
RTH	Diptera	Simuliidae	Simuliidae	L	242
RTH	Diptera	Simuliidae	Simulium sp.	L	23
RTH	Diptera	Tipulidae	Tipula sp.	L	2
RTH	Diptera	Tipulidae	Antocha sp.	L	115
RTH	Diptera	Empididae	Hemerodromia sp.	L	23

Fishes

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight (g)
Micropterus salmoides	largemouth bass	11A	1545	1	250	178
Micropterus salmoides	largemouth bass	11A	1545	1	250	182
Ameiurus brunneus	snail bullhead	11A	1545	1	270	225
Lepomis cyanellus	green sunfish	11A	1545	1	156	64
Micropterus salmoides	largemouth bass	11A	1545	1	248	179
Nocomis leptocephalus	bluehead chub	11A	1545	1	160	47
Nocomis leptocephalus	bluehead chub	11A	1545	1	122	17
Lepomis cyanellus	green sunfish	11A	1545	1	78	7
Lepomis cyanellus	green sunfish	11A	1545	1	122	28
Hypentelium nigricans	northern hog sucker	11A	1545	1	180	65

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight (g)
Hypentelium nigricans	northern hog sucker	11A	1545	1	166	47
Hypentelium nigricans	northern hog sucker	11A	1545	1	147	35
Hypentelium nigricans	northern hog sucker	11A	1545	1	180	60
Hypentelium nigricans	northern hog sucker	11A	1545	1	173	55
Hypentelium nigricans	northern hog sucker	11A	1545	1	136	26
Campostoma pauciradii	bluefin stoneroller	11A	1545	1	133	29
Hypentelium nigricans	northern hog sucker	11A	1545	1	145	35
Percina nigrofasciata	blackbanded darter	11A	1545	1	78	5
Percina nigrofasciata	blackbanded darter	11A	1545	1	68	2.7
Percina nigrofasciata	blackbanded darter	11A	1545	1	70	3.2
Percina nigrofasciata	blackbanded darter	11A	1545	1	76	5.2
Percina nigrofasciata	blackbanded darter	11A	1545	1	84	6.4
Percina nigrofasciata	blackbanded darter	11A	1545	1	85	6.2
Percina nigrofasciata	blackbanded darter	11A	1545	1	60	1.9
Percina nigrofasciata	blackbanded darter	11A	1545	1	62	2.1
Percina nigrofasciata	blackbanded darter	11A	1545	1	61	2.1
Percina nigrofasciata	blackbanded darter	11A	1545	1	49	1.1
Percina nigrofasciata	blackbanded darter	11A	1545	1	70	3.4
Ameiurus brunneus	snail bullhead	11A	1545	1	48	1.4
Ameiurus brunneus	snail bullhead	11A	1545	1	64	3.2
Ameiurus brunneus	snail bullhead	11A	1545	1	68	3.4
Percina nigrofasciata	blackbanded darter	11A	1545	1	63	2.1
Percina nigrofasciata	blackbanded darter	11A	1545	1	85	7
Percina nigrofasciata	blackbanded darter	11A	1545	1	60	1.7
Micropterus salmoides	largemouth bass	11A	1545	1	75	4.9
Percina nigrofasciata	blackbanded darter	11A	1545	1	69	2.5
Percina nigrofasciata	blackbanded darter	11A	1545	1	94	9
Percina nigrofasciata	blackbanded darter	11A	1545	1	71	3.2
Percina nigrofasciata	blackbanded darter	11A	1545	1	77	4.3
Percina nigrofasciata	blackbanded darter	11A	1545	1	68	3.1
Percina nigrofasciata	blackbanded darter	11A	1545	1	73	4.4
Percina nigrofasciata	blackbanded darter	11A	1545	1	78	4.8
Campostoma pauciradii	bluefin stoneroller	11A	1545	1	130	8.5
Hypentelium nigricans	northern hog sucker	11A	1545	1	162	43
Percina nigrofasciata	blackbanded darter	11A	1545	1	84	6.7
Cyprinella venusta	blacktail shiner	11A	1545	1	130	19.5
Ameiurus brunneus	snail bullhead	11A	1545	1	166	47
Percina nigrofasciata	blackbanded darter	11A	1545	1	72	3.8
Percina nigrofasciata	blackbanded darter	11A	1545	1	61	2.4
Percina nigrofasciata	blackbanded darter	11A	1545	1	46	1.2
Percina nigrofasciata	blackbanded darter	11A	1545	1	65	2.7
Notropis lutipinnis	yellowfin shiner	11A	1545	1	65	2.4
Notropis lutipinnis	yellowfin shiner	11A	1545	1	61	2
Notropis lutipinnis	yellowfin shiner	11A	1545	1	58	1.8
Notropis lutipinnis	yellowfin shiner	11A	1545	1	50	1.5
Percina nigrofasciata	blackbanded darter	11A	1545	1	60	2.1
Percina nigrofasciata	blackbanded darter	11A	1545	1	60	2.1
Percina nigrofasciata	blackbanded darter	11A	1545	1	65	2.5
Notropis lutipinnis	yellowfin shiner	11A	1545	1	75	3.6
Notropis lutipinnis	yellowfin shiner	11A	1545	1	54	1.4
Nocomis leptocephalus	bluehead chub	11A	1545	1	68	3.3
Lepomis cyanellus	green sunfish	11A	1545	1	80	8.8
Lepomis cyanellus	green sunfish	11A	1545	1	85	10.1
Catostomus commersoni	white sucker	11A	1545	1	128	25
Lepomis auritus	redbreast sunfish	11A	1545	1	162	61
Lepomis auritus	redbreast sunfish	11A	1545	1	168	65
Lepomis auritus	redbreast sunfish	11A	1545	1	165	37
Lepomis auritus	redbreast sunfish	11A	1545	1	93	11.9
Lepomis auritus	redbreast sunfish	11A	1545	1	100	15.2
Lepomis auritus	redbreast sunfish	11A	1545	1	163	64
Lepomis auritus	redbreast sunfish	11A	1545	1	120	25
Lepomis auritus	redbreast sunfish	11A	1545	1	86	9.7
Lepomis auritus	redbreast sunfish	11A	1545	1	96	15.3
Lepomis auritus	redbreast sunfish	11A	1545	1	130	33.9
Lepomis auritus	redbreast sunfish	11A	1545	1	88	11.9
Lepomis auritus	redbreast sunfish	11A	1545	1	63	5.6
Lepomis auritus	redbreast sunfish	11A	1545	1	70	6.4
Lepomis auritus	redbreast sunfish	11A	1545	1	89	12.1
Lepomis sp.	hybrid	11A	1545	1	120	26.2
Lepomis macrochirus	bluegill	11A	1545	1	140	41
Lepomis macrochirus	bluegill	11A	1545	1	102	17
Lepomis macrochirus	bluegill	11A	1545	1	115	28
Lepomis macrochirus	bluegill	11A	1545	1	122	27
Lepomis macrochirus	bluegill	11A	1545	1	90	11
Lepomis macrochirus	bluegill	11A	1545	1	118	25
Lepomis macrochirus	bluegill	11A	1545	1	111	21

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight (g)
Lepomis macrochirus	bluegill	11A	1545	1	113	22
Lepomis macrochirus	bluegill	11A	1545	1	102	15
Lepomis macrochirus	bluegill	11A	1545	1	105	20
Lepomis macrochirus	bluegill	11A	1545	1	92	12
Lepomis macrochirus	bluegill	11A	1545	1	95	13
Lepomis macrochirus	bluegill	11A	1545	1	74	6.1
Lepomis macrochirus	bluegill	11A	1545	1	99	14.7
Lepomis macrochirus	bluegill	11A	1545	1	81	8.7
Lepomis macrochirus	bluegill	11A	1545	1	57	3.7
Lepomis macrochirus	bluegill	11A	1545	1	86	9.2
Lepomis macrochirus	bluegill	11A	1545	1	58	3.9
Lepomis macrochirus	bluegill	11A	1545	1	74	9.7
Lepomis macrochirus	bluegill	11A	1545	1	85	6.4
Lepomis macrochirus	bluegill	11A	1545	1	75	5
Lepomis macrochirus	bluegill	11A	1545	1	68	5.5
Lepomis macrochirus	bluegill	11A	1545	1	70	6.5
Lepomis macrochirus	bluegill	11A	1545	1	75	6
Lepomis macrochirus	bluegill	11A	1545	1	73	6.8
Lepomis macrochirus	bluegill	11A	1545	1	76	6.9
Lepomis macrochirus	bluegill	11A	1545	1	35	1.1
Lepomis macrochirus	bluegill	11A	1545	1	62	3.6
Lepomis macrochirus	bluegill	11A	1545	1	60	3.5
Lepomis macrochirus	bluegill	11A	1545	1	55	2.7
Lepomis macrochirus	bluegill	11A	1545	1	55	2.8
Lepomis macrochirus	bluegill	11A	1545	1	58	3.5
Lepomis macrochirus	bluegill	11A	1545	1	52	2.4
Lepomis macrochirus	bluegill	11A	1545	1	41	1.6
Lepomis macrochirus	bluegill	11A	1545	1	35	1.2
Lepomis macrochirus	bluegill	11A	1545	1	41	1.5
Catostomus commersoni	white sucker	11B	900	1	279	201
Ameiurus brunneus	snail bullhead	11B	900	1	156	31
Hypentelium nigricans	northern hog sucker	11B	900	1	190	81
Ameiurus brunneus	snail bullhead	11B	900	1	168	48
Cyprinella venusta	blacktail shiner	11B	900	1	130	24
Lepomis cyanellus	green sunfish	11B	900	1	101	19
Notropis lutipinnis	yellowfin shiner	11B	900	1	65	4
Notropis lutipinnis	yellowfin shiner	11B	900	1	79	5
Notropis lutipinnis	yellowfin shiner	11B	900	1	64	4
Hypentelium nigricans	northern hog sucker	11B	900	1	123	21
Hypentelium nigricans	northern hog sucker	11B	900	1	85	7
Lepomis cyanellus	green sunfish	11B	900	1	90	14
Notropis lutipinnis	yellowfin shiner	11B	900	1	43	0.6
Ameiurus brunneus	snail bullhead	11B	900	1	76	1.6
Percina nigrofasciata	blackbanded darter	11B	900	1	94	4
Notropis lutipinnis	yellowfin shiner	11B	900	1	66	3
Notropis lutipinnis	yellowfin shiner	11B	900	1	55	2
Notropis lutipinnis	yellowfin shiner	11B	900	1	46	1
Percina nigrofasciata	blackbanded darter	11B	900	1	86	8
Percina nigrofasciata	blackbanded darter	11B	900	1	66	3
Percina nigrofasciata	blackbanded darter	11B	900	1	90	8
Percina nigrofasciata	blackbanded darter	11B	900	1	72	4
Percina nigrofasciata	blackbanded darter	11B	900	1	73	4
Percina nigrofasciata	blackbanded darter	11B	900	1	79	5
Percina nigrofasciata	blackbanded darter	11B	900	1	88	8
Percina nigrofasciata	blackbanded darter	11B	900	1	65	2
Percina nigrofasciata	blackbanded darter	11B	900	1	64	2
Percina nigrofasciata	blackbanded darter	11B	900	1	41	1
Percina nigrofasciata	blackbanded darter	11B	900	1	70	3
Percina nigrofasciata	blackbanded darter	11B	900	1	61	2
Percina nigrofasciata	blackbanded darter	11B	900	1	75	5
Percina nigrofasciata	blackbanded darter	11B	900	1	66	3
Lepomis auritus	redbreast sunfish	11B	900	1	162	64
Lepomis auritus	redbreast sunfish	11B	900	1	115	22
Lepomis auritus	redbreast sunfish	11B	900	1	90	14
Lepomis auritus	redbreast sunfish	11B	900	1	144	45
Lepomis auritus	redbreast sunfish	11B	900	1	123	28
Lepomis auritus	redbreast sunfish	11B	900	1	125	28
Lepomis auritus	redbreast sunfish	11B	900	1	112	23
Lepomis auritus	redbreast sunfish	11B	900	1	148	53
Lepomis auritus	redbreast sunfish	11B	900	1	109	20
Lepomis auritus	redbreast sunfish	11B	900	1	90	13
Lepomis macrochirus	bluegill	11B	900	1	108	19
Lepomis macrochirus	bluegill	11B	900	1	102	16
Lepomis macrochirus	bluegill	11B	900	1	105	18

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight (g)
Lepomis macrochirus	bluegill	11B	900	1	82	9
Lepomis macrochirus	bluegill	11B	900	1	81	8
Lepomis macrochirus	bluegill	11B	900	1	90	11
Lepomis macrochirus	bluegill	11B	900	1	98	13
Lepomis macrochirus	bluegill	11B	900	1	110	20
Lepomis macrochirus	bluegill	11B	900	1	68	7
Lepomis macrochirus	bluegill	11B	900	1	112	20
Lepomis macrochirus	bluegill	11B	900	1	122	26
Lepomis macrochirus	bluegill	11B	900	1	84	8
Lepomis macrochirus	bluegill	11B	900	1	84	8
Lepomis macrochirus	bluegill	11B	900	1	97	14
Lepomis macrochirus	bluegill	11B	900	1	84	9
Lepomis macrochirus	bluegill	11B	900	1	83	8
Lepomis macrochirus	bluegill	11B	900	1	70	5
Lepomis macrochirus	bluegill	11B	900	1	57	2
Lepomis auritus	redbreast sunfish	11B	900	1	60	4

APALACHICOLA RIVER BASIN
2004 Water Year

02335990 CHATTAHOOCHEE RIVER AT US 41, AT ATLANTA, GA

LOCATION.—Lat 33°52'05", Long 84°27'14", referenced to North American Datum (NAD) of 1983, Fulton-Cobb County line, Hydrologic Unit 03130001, on downstream side of US 41 bridge, 0.8 miles upstream of Chattahoochee River at Atlanta station 02336000, 0.2 miles downstream of Rottenwood Creek, 3.3 miles upstream from Peachtree Creek, and at mile 303.8.

DRAINAGE AREA.—1,440 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER–STAGE RECORDS

PERIOD OF RECORD.—June 1967 (revised) to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage 750.10 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Station is auxiliary gage for streamflow station 02336000 Chattahoochee River at Atlanta. Flow regulated by Lake Sidney Lanier since January 1956. Considerable diurnal fluctuation is caused by the operation of the Morgan Falls hydroelectric plant that is 8.7 miles above station.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 23.05 feet, September 17; minimum gage-height recorded, 4.05 feet, October 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 13, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335990 CHATTAHOOCHEE RIVER AT US 41, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335205 LONGITUDE 0842714 NAD27 DRAINAGE AREA 1440.00* CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.82	4.50	5.57	5.58	5.00	4.93	4.61	4.48	4.54	5.33	4.81	5.63
2	4.83	4.56	5.50	5.41	5.36	4.90	4.42	5.07	4.36	6.79	5.20	4.97
3	4.77	4.93	6.57	5.09	6.93	5.01	4.48	4.67	4.25	6.12	5.33	5.85
4	4.67	5.04	8.44	4.89	5.77	4.97	4.38	4.34	4.28	5.50	5.02	4.98
5	4.12	4.96	5.23	5.64	5.95	4.92	4.61	4.29	4.29	5.35	6.23	4.64
6	4.41	5.46	5.75	6.69	7.02	5.36	4.61	4.22	4.22	5.57	4.93	4.41
7	4.94	5.43	5.38	6.60	6.72	5.20	4.48	4.18	4.40	6.34	4.54	8.53
8	5.51	4.85	5.39	6.87	5.87	5.05	4.37	4.18	4.97	5.92	4.47	8.29
9	5.08	4.59	6.03	6.80	5.31	4.98	4.27	4.17	4.39	6.09	4.93	6.49
10	5.16	5.14	6.76	6.38	6.04	4.86	4.43	4.34	4.56	5.62	5.56	5.91
11	4.84	5.38	6.18	5.51	4.96	5.14	4.45	4.54	4.87	4.52	5.73	5.01
12	4.54	5.15	5.58	5.17	6.11	5.49	4.47	4.41	4.25	4.49	7.15	4.89
13	4.93	5.11	5.23	5.69	6.69	5.02	5.82	4.52	5.35	4.81	5.81	4.87
14	5.03	5.56	5.71	6.31	5.89	4.85	5.09	4.49	5.90	4.97	5.66	4.90
15	4.91	4.88	6.04	7.02	5.93	4.95	4.48	4.27	5.13	5.50	4.76	5.11
16	4.94	4.70	6.13	6.75	6.36	4.98	4.51	4.34	5.34	5.23	4.74	9.09
17	4.70	5.57	6.37	6.18	5.23	5.00	4.50	4.97	4.61	4.85	5.12	18.97
18	4.52	6.20	6.55	5.56	5.28	5.15	4.38	5.50	4.44	5.39	4.99	8.83
19	4.52	10.96	6.20	5.94	5.51	4.96	4.26	5.36	4.49	4.89	5.13	5.65
20	4.72	8.02	6.14	6.26	5.25	4.64	4.23	4.52	4.29	4.98	5.10	6.73
21	4.85	6.54	4.94	6.29	5.04	4.76	4.29	---	4.63	5.23	5.10	9.38
22	4.87	5.94	5.14	5.72	5.00	4.76	4.27	4.33	4.83	5.27	4.67	9.49
23	4.93	6.95	5.96	4.31	4.97	5.05	4.26	4.20	4.74	5.23	5.00	9.46
24	4.83	7.11	6.69	4.74	4.99	4.84	4.27	---	4.73	4.41	4.85	9.51
25	5.04	7.09	6.19	7.53	5.02	4.80	4.27	4.28	5.08	5.28	5.97	8.41
26	6.01	5.97	5.44	7.05	5.22	4.77	4.56	4.27	5.20	7.16	5.77	7.16
27	6.38	6.45	5.28	6.48	5.32	4.44	4.49	4.19	5.22	4.94	5.32	10.01
28	5.17	6.21	5.35	6.14	5.07	4.33	4.33	4.18	6.96	4.44	5.21	11.86
29	5.19	4.87	5.66	6.25	4.99	4.53	4.34	4.30	5.60	5.47	5.24	9.75
30	5.28	5.05	6.15	6.33	---	5.51	4.63	4.18	4.69	5.67	5.18	9.00
31	4.94	---	6.61	5.57	---	4.92	---	4.95	---	5.55	5.42	---
MEAN	4.95	5.77	5.94	6.02	5.61	4.94	4.49	---	4.82	5.38	5.26	7.59
MAX	6.38	10.96	8.44	7.53	7.02	5.51	5.82	---	6.96	7.16	7.15	18.97
MIN	4.12	4.50	4.94	4.31	4.96	4.33	4.23	---	4.22	4.41	4.47	4.41

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335990 CHATTAHOOCHEE RIVER AT US 41, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335205 LONGITUDE 0842714 NAD27 DRAINAGE AREA 1440.00* CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.15	0.00	0.07
2	0.00	0.00	0.00	0.00	0.68	0.06	0.00	0.25	0.00	0.21	0.00	0.08
3	0.00	0.00	0.03	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.01
4	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.44	0.00	0.40	0.01	0.00	0.00	0.00	0.00	0.00	0.48	0.00
6	0.05	0.17	0.00	0.00	0.87	0.34	0.00	0.00	0.00	0.10	0.00	0.09
7	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.05	0.00	2.45
8	0.62	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.02
9	0.00	0.00	0.01	0.21	0.00	0.06	0.00	0.05	0.00	0.01	0.00	0.00
10	0.00	0.00	0.85	0.00	0.07	0.00	0.00	0.01	0.00	0.02	0.00	0.00
11	0.00	0.00	0.00	0.00	0.18	0.00	0.35	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.01	0.64	0.00	0.39	0.20	0.00	0.01	1.56	0.00
13	0.00	0.00	0.40	0.00	0.00	0.00	0.45	0.02	1.24	0.00	0.00	0.00
14	0.03	0.00	0.13	0.00	0.40	0.00	0.00	0.00	0.02	0.00	0.00	0.00
15	---	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.89	0.00	0.00	0.00
16	---	0.00	0.28	---	0.00	0.18	0.00	0.77	0.21	0.00	0.00	4.37
17	---	0.44	0.11	---	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.05
18	---	1.04	0.00	---	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00
19	---	0.98	0.00	---	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
20	---	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00
21	---	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.55	0.00	0.00	0.00
22	---	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.25	0.00	0.00	0.00
23	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00
24	0.00	0.22	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.26	0.02	0.00
25	0.00	0.00	0.00	1.83	0.12	0.00	0.00	0.00	0.05	2.48	0.48	0.00
26	1.53	0.00	0.00	0.01	0.52	0.00	0.75	0.00	0.01	0.69	0.00	0.00
27	0.01	0.70	0.00	0.00	0.02	0.00	0.00	0.00	0.95	0.00	0.00	4.11
28	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.01
29	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.51	0.00
30	0.00	0.00	0.17	0.00	---	0.76	0.01	0.01	0.23	0.00	0.01	0.00
31	0.00	---	0.00	0.00	---	0.15	---	0.88	---	0.00	0.00	---
TOTAL	---	4.05	2.77	---	3.94	1.61	1.99	3.29	5.53	4.22	3.27	11.26

2004 Water Year

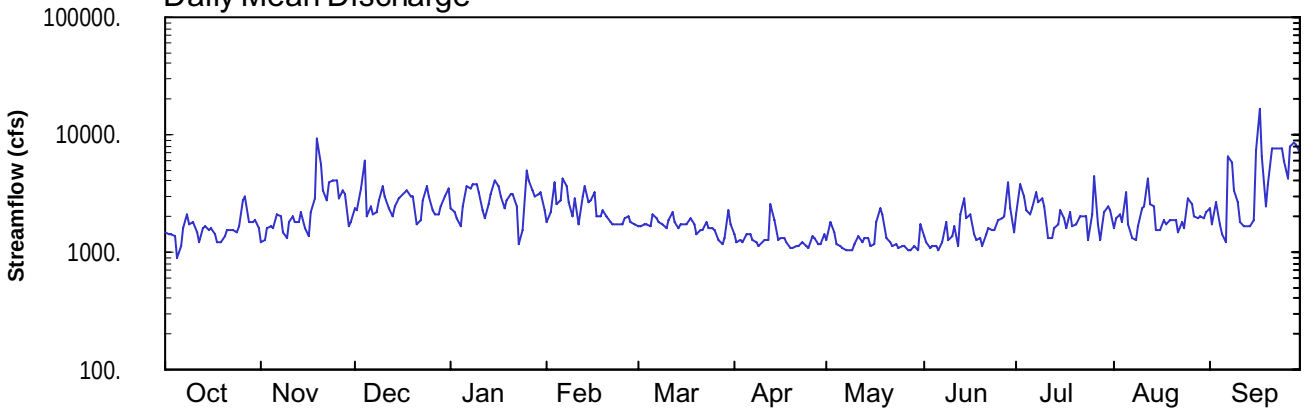
APALACHICOLA RIVER BASIN

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA

Latitude: 33°51'33" Longitude: 084°27'16" Hydrologic Unit Code: 03130001

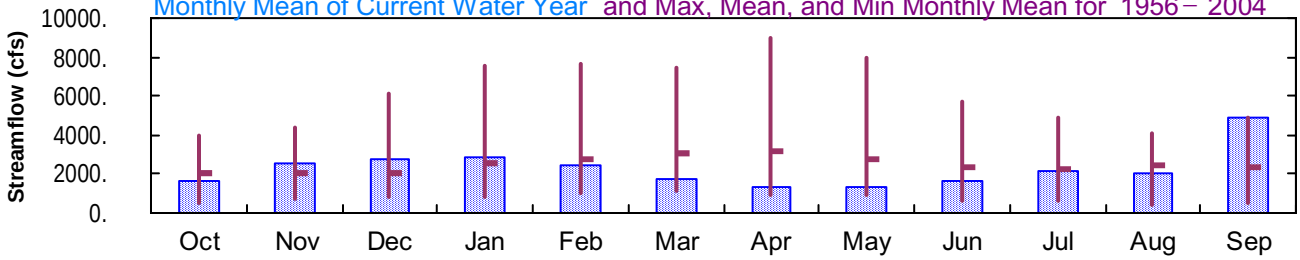
Fulton County Datum: 750.10 feet Drainage Area: 1450. mi²

Daily Mean Discharge

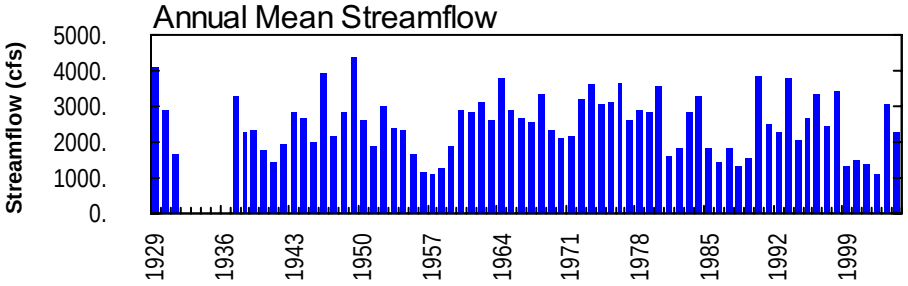


Monthly Statistics

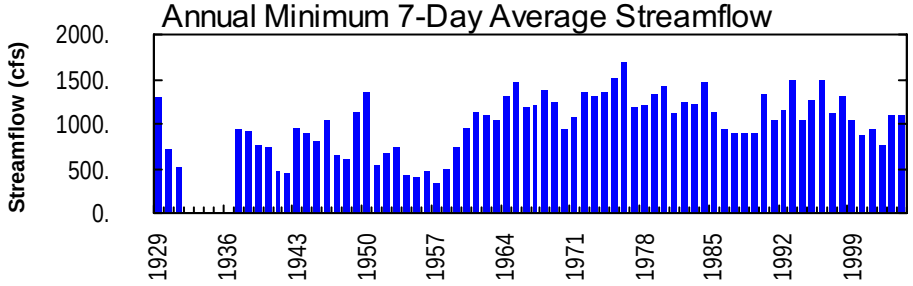
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1956 – 2004



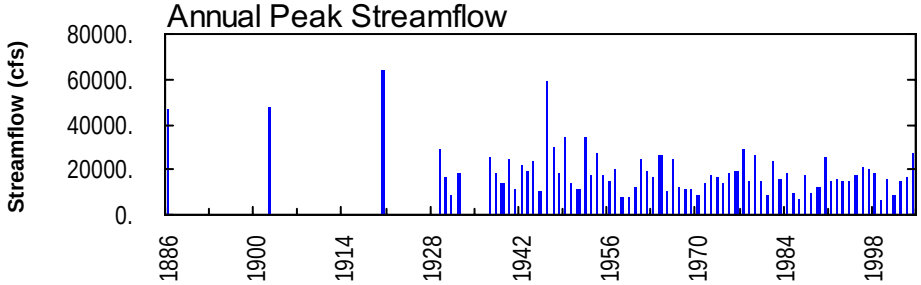
Annual Mean Streamflow

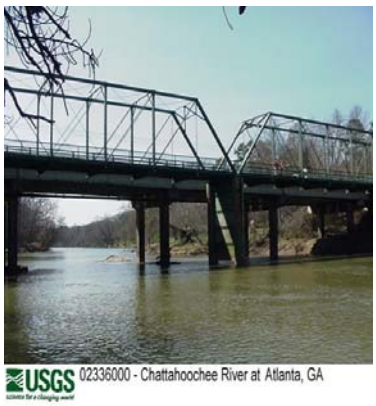


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2004 Water Year

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA

LOCATION.—Lat 33°51'33", long 84°27'16", referenced to North American Datum (NAD) of 1983, Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20.0 feet upstream from Paces Ferry Bridge, 1.0 mile downstream from Rottenwood Creek, 2.5 miles upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.—1,450 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division, Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1928 to December 1931, October 1936 to current year. Prior to October 1951, published as "near Vinings".

REVISED RECORDS.--WSP 972: 1932.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 750.10 feet above National Geodetic Vertical Datum (NGVD) of 1929. From August 3, 1928, to December 31, 1931, gage was a water-stage recorder, and November 15, 1936 to March 8, 1937, a non-recording gage was located at the same site and datum. Since June 1967, auxiliary water-stage recorder located at bridge on US 41, 0.8 miles upstream.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Lake Sidney Lanier since January 1956. Considerable diurnal fluctuation caused by operation of Morgan Falls hydroelectric plant 9.5 miles above station. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1896, 29.0 feet in December 1919, from flood marks at site 2.6 miles downstream and stage relation between the two sites.

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1928 to December 1931, October 1936 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 750.10 feet above National Geodetic Vertical Datum (NGVD) of 1929. From August 3, 1928, to December 31, 1931, gage was a water-stage recorder, and November 15, 1936 to March 8, 1937, a non-recording gage was located at the same site and datum. Since June 1967, auxiliary water-stage recorder located at bridge on US 41, 0.8 miles upstream.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.60 feet, September 17; minimum gage-height recorded, 2.66 feet, June 7.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00* CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1480	1210	2370	2360	1780	1670	1410	1290	1360	2080	1580	2390
2	1450	1250	2260	2200	2150	1650	1240	1810	1200	3720	1950	1720
3	1420	1570	3460	1910	3890	1750	1280	1460	1100	3000	2080	2610
4	1350	1670	6030	1670	2560	1710	1210	1170	1120	2270	1780	1740
5	896	1600	2030	2420	2730	1660	1420	1130	1140	2090	3220	1420
6	1120	2070	2500	3610	4200	2100	1410	1070	1040	2320	1750	1220
7	1580	2050	2130	3490	3650	1940	1280	1040	1200	3180	1340	6400
8	2120	1510	2170	3840	2630	1800	1210	1040	1770	2680	1280	5840
9	1720	1300	2800	3750	2050	1740	1130	1040	1240	2850	1690	3310
10	1780	1780	3680	3260	2820	1620	1240	1180	1380	2470	2320	2680
11	1490	1990	2970	2300	1730	1870	1260	1360	1670	1330	2480	1770
12	1230	1790	2320	1970	2930	2220	1270	1230	1120	1310	4300	1660
13	1570	1770	1990	2510	3580	1790	2590	1320	2110	1570	2550	1630
14	1670	2170	2470	3150	2680	1610	1830	1300	2860	1750	2410	1660
15	1560	1570	2820	4010	2710	1700	1280	1120	1950	2250	1520	1870
16	1580	1380	2940	3670	3190	1730	1310	1190	2120	1980	1520	7330
17	1400	2220	3200	3010	1980	1750	1300	1770	1420	1620	1880	16700
18	1230	2890	3420	2360	2010	1910	1200	2330	1270	2150	1760	6550
19	1220	9260	2990	2740	2230	1720	1100	2130	1310	1670	1890	2440
20	1390	5470	2930	3140	1980	1420	1080	1330	1140	1760	1850	3770
21	1510	3420	1740	3110	1780	1530	1140	e1240	1440	1990	1860	7570
22	1510	2740	1900	2490	1730	1530	1150	e1140	1610	2030	1460	7760
23	1560	3910	2730	1160	1710	1810	1190	e1150	1540	1980	1760	7680
24	1480	4120	3580	1550	1730	1610	1100	e1060	1510	1270	1630	7750
25	1680	4090	3000	4860	1760	1570	1100	1120	1840	2090	2860	6040
26	2770	2820	2250	4100	1960	1540	1350	1120	1970	4340	2530	4280
27	3030	3300	2070	3340	2050	1270	1290	1060	2050	1730	2050	7990
28	1830	3100	2110	2940	1810	1170	1160	1050	3940	1260	1950	8410
29	1800	1640	2460	3060	1730	1330	1170	1140	2370	2210	1980	8240
30	1890	1820	2960	3200	---	2280	1420	1050	1490	2420	1920	6910
31	1600	---	3490	2310	---	1710	---	1730	---	2300	2170	---
TOTAL	49916	77480	85770	89490	69740	52710	39120	40170	49280	67670	63320	147340
MEAN	1610	2583	2767	2887	2405	1700	1304	1296	1643	2183	2043	4911
MAX	3030	9260	6030	4860	4200	2280	2590	2330	3940	4340	4300	16700
MIN	896	1210	1740	1160	1710	1170	1080	1040	1040	1260	1280	1220
CFSM	1.11	1.78	1.91	1.99	1.66	1.17	0.90	0.89	1.13	1.51	1.41	3.39
IN.	1.28	1.99	2.20	2.30	1.79	1.35	1.00	1.03	1.26	1.74	1.62	3.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)

MEAN	2074	2079	2033	2520	2783	3097	3197	2728	2311	2275	2438	2322
MAX	4016	4393	6151	7506	7684	7482	8959	7955	5733	4872	4082	4911
(WY)	1992	1975	1993	1993	1990	1990	1964	1964	1973	2003	1984	2004
MIN	525	760	820	794	985	1084	941	955	640	567	426	480
(WY)	1958	1957	1957	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1956 - 2004	
ANNUAL TOTAL	1159726		832006			
ANNUAL MEAN	3177		2273		2486	
HIGHEST ANNUAL MEAN					3834	1990
LOWEST ANNUAL MEAN					1119	2002
HIGHEST DAILY MEAN	13300	Mar 6	16700	Sep 17	20500	Mar 17 1990
LOWEST DAILY MEAN	896	Oct 5	896	Oct 5	296	Sep 2 1957
ANNUAL SEVEN-DAY MINIMUM	1330	Oct 1	1090	May 24	340	Sep 1 1957
MAXIMUM PEAK FLOW			26900	Sep 17	28900	Mar 30 1977
MAXIMUM PEAK STAGE			22.60	Sep 17	23.03	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.19		1.57		1.71	
ANNUAL RUNOFF (INCHES)	29.75		21.35		23.30	
10 PERCENT EXCEEDS	5980		3620		4900	
50 PERCENT EXCEEDS	2490		1810		1830	
90 PERCENT EXCEEDS	1390		1190		1040	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00* CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.46	3.17	4.10	4.15	3.59	3.53	3.23	3.10	3.19	3.90	3.44	4.17
2	3.43	3.20	4.08	3.96	3.92	3.51	3.05	3.66	3.00	5.17	3.80	3.56
3	3.42	3.56	4.99	3.70	5.33	3.61	3.10	3.30	2.89	4.63	3.91	4.37
4	3.33	3.68	6.67	3.50	4.30	3.57	3.02	2.98	2.91	4.06	3.64	3.59
5	2.78	3.60	3.81	4.18	4.48	3.52	3.22	2.93	2.93	3.92	4.71	3.26
6	3.06	4.06	4.29	5.13	5.46	3.93	3.24	2.85	2.81	4.12	3.55	3.04
7	3.57	4.04	3.96	5.05	5.15	3.79	3.10	2.81	2.98	4.79	3.17	7.05
8	4.10	3.50	3.96	5.28	4.40	3.66	3.01	2.82	3.62	4.43	3.11	6.57
9	3.71	3.28	4.54	5.22	3.88	3.60	2.93	2.81	3.06	4.58	3.53	4.93
10	3.77	3.76	5.18	4.86	4.55	3.48	3.05	2.97	3.22	4.17	4.10	4.43
11	3.48	3.99	4.67	4.09	3.57	3.73	3.09	3.18	3.50	3.16	4.26	3.62
12	3.19	3.78	4.14	3.78	4.59	4.04	3.08	3.04	2.91	3.12	5.54	3.50
13	3.54	3.72	3.82	4.21	5.11	3.62	4.35	3.15	3.93	3.40	4.33	3.47
14	3.65	4.13	4.26	4.80	4.41	3.46	3.69	3.13	4.45	3.57	4.19	3.52
15	3.54	3.52	4.54	5.41	4.44	3.55	3.10	2.91	3.70	4.05	3.37	3.71
16	3.58	3.34	4.62	5.19	4.82	3.58	3.14	2.98	3.95	3.82	3.36	7.61
17	3.36	4.11	4.83	4.69	3.81	3.59	3.12	3.56	3.26	3.46	3.69	18.34
18	3.18	4.70	4.99	4.13	3.85	3.74	3.01	4.07	3.09	3.98	3.59	7.31
19	3.18	9.61	4.69	4.47	4.07	3.56	2.88	3.95	3.14	3.51	3.71	4.21
20	3.37	6.32	4.64	4.75	3.83	3.27	2.87	3.16	2.93	3.58	3.67	5.16
21	3.50	4.98	3.56	4.77	3.64	3.38	2.94	---	3.24	3.81	3.70	7.61
22	3.51	4.45	3.73	4.28	3.60	3.38	2.95	---	3.46	3.86	3.30	7.72
23	3.57	5.33	4.46	2.96	3.57	3.65	3.00	---	3.40	3.82	3.59	7.68
24	3.48	5.46	5.12	3.32	3.59	3.45	2.89	---	3.36	3.09	3.46	7.72
25	3.68	5.45	4.68	5.95	3.62	3.42	2.89	2.91	3.70	3.84	4.45	6.69
26	4.51	4.47	4.00	5.45	3.81	3.39	3.18	2.91	3.81	5.65	4.29	5.54
27	4.88	4.89	3.86	4.94	3.90	3.09	3.11	2.84	3.80	3.56	3.89	8.36
28	3.80	4.70	3.93	4.64	3.67	2.97	2.96	2.83	5.35	3.09	3.79	10.83
29	3.80	3.50	4.20	4.73	3.59	3.15	2.96	2.94	4.16	4.03	3.82	8.02
30	3.90	3.65	4.65	4.82	---	4.06	3.26	2.83	3.35	4.22	3.76	7.23
31	3.58	---	5.05	4.13	---	3.54	---	3.55	---	4.12	3.98	---
MEAN	3.58	4.33	4.45	4.53	4.16	3.54	3.11	---	3.44	3.95	3.83	6.09
MAX	4.88	9.61	6.67	5.95	5.46	4.06	4.35	---	5.35	5.65	5.54	18.34
MIN	2.78	3.17	3.56	2.96	3.57	2.97	2.87	---	2.81	3.09	3.11	3.04

APALACHICOLA RIVER BASIN
2004 Water Year

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA

LOCATION.—Lat 33°51'33", long 84°27'16", referenced to North American Datum (NAD) of 1983, Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20.0 feet upstream from Paces Ferry Bridge, 1.0 mile downstream from Rottenwood Creek, 2.5 miles upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.—1,450 square miles, approximately.

COOPERATION.—National Park Service, Cobb County Water System, Cobb County – Marietta Water Authority.

PERIOD OF RECORD.—May 6, 2002 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 6, 2002 to current year.
WATER TEMPERATURE: May 6, 2002 to current year.
TURBIDITY: May 6, 2002 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity records, which are fair.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 122 microsiemens, August 7, 2002; minimum recorded, 34 microsiemens, June 17, 2003, September 16, 2004.
WATER TEMPERATURE: Maximum recorded, 27.9°C, June 3, 4, 2002; minimum recorded, 2.7°C, January 24, 2003.
TURBIDITY: Maximum recorded, 1,080 NTU, September 17, 2004; minimum recorded, <2.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 97 microsiemens, on several days; minimum recorded, 34 microsiemens, September 16.
WATER TEMPERATURE: Maximum recorded, 25.8°C, June 20; minimum recorded, 5.2°C, February 8.
TURBIDITY: Maximum recorded, 1,080 NTU, September 17; minimum recorded, <2.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	75	64	67	77	66	74	82	68	74	60	58	59
2	---	---	---	84	73	78	70	60	63	75	59	64
3	82	71	76	86	78	82	69	59	63	66	59	61
4	81	72	75	84	70	79	63	49	53	83	60	71
5	80	74	76	---	---	---	63	51	57	84	68	75
6	91	75	83	---	---	---	75	61	67	68	58	62
7	92	79	85	76	66	72	70	61	65	60	58	59
8	83	62	75	72	65	67	70	62	65	58	56	57
9	80	71	74	---	---	---	71	58	63	59	55	57
10	80	69	73	---	---	---	62	53	58	60	55	57
11	77	70	73	---	---	---	68	60	64	65	58	61
12	78	72	74	---	---	---	68	62	64	74	60	66
13	87	77	82	81	68	74	69	65	68	80	63	70
14	86	76	80	---	---	---	69	66	67	64	58	61
15	80	66	70	69	64	66	76	65	70	61	55	57
16	80	68	72	79	65	73	65	58	60	59	54	57
17	79	68	72	87	72	79	60	57	58	62	56	58
18	80	73	76	80	58	70	60	55	57	65	59	61
19	85	80	82	58	47	52	59	56	58	75	63	68
20	91	77	84	57	54	55	61	57	58	74	52	57
21	88	75	81	67	57	61	63	58	61	69	56	60
22	---	---	---	66	59	62	73	63	69	64	56	59
23	84	68	74	70	53	58	73	59	64	68	63	65
24	82	68	73	65	53	58	60	57	58	87	68	75
25	84	70	76	64	52	57	60	57	59	89	48	63
26	77	50	68	63	59	62	60	57	58	64	58	62
27	75	69	72	62	51	58	68	58	63	67	59	63
28	72	67	69	61	55	60	72	60	66	64	59	61
29	75	66	71	69	60	64	73	60	67	65	59	61
30	76	67	70	81	69	76	72	58	62	63	57	59
31	72	65	67	---	---	---	65	57	60	71	59	64
MONTH	---	---	---	---	---	---	82	49	63	89	48	62

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	67	63	65	74	70	72	78	71	73	84	76	80
2	80	64	73	73	71	72	82	76	79	84	76	79
3	74	59	66	74	70	72	83	78	81	86	80	83
4	67	60	61	74	69	71	85	75	81	86	81	84
5	69	60	64	73	69	70	85	77	80	88	83	86
6	65	45	58	---	---	---	89	71	79	90	82	86
7	61	58	59	71	67	69	79	72	74	95	86	90
8	71	60	64	73	68	71	84	78	81	95	90	92
9	69	65	66	---	---	---	88	79	81	90	87	89
10	---	---	---	---	---	---	89	82	87	93	75	90
11	---	---	---	78	70	74	86	79	82	89	66	80
12	---	---	---	75	70	73	87	81	83	90	77	86
13	69	55	62	70	62	65	85	68	74	88	76	83
14	64	56	59	76	66	73	76	73	74	94	85	90
15	69	59	64	78	71	75	82	76	79	90	84	88
16	67	58	62	76	70	73	83	78	80	93	71	87
17	68	63	64	78	70	75	83	78	80	95	54	82
18	75	63	69	78	67	72	86	77	82	86	42	72
19	75	65	67	77	68	74	88	78	82	72	56	68
20	66	62	64	77	72	75	94	85	88	75	69	73
21	70	65	68	86	73	77	96	90	94	---	---	---
22	73	70	72	89	71	78	90	78	84	---	---	---
23	74	72	73	85	72	77	92	80	87	---	---	---
24	75	70	73	78	66	70	96	87	91	---	---	---
25	73	70	72	77	69	75	96	86	91	97	94	96
26	71	69	70	77	73	76	96	85	89	96	87	90
27	73	70	71	80	75	77	97	85	92	93	87	90
28	74	71	73	82	75	77	90	80	84	96	89	92
29	76	71	73	88	81	85	97	84	90	96	89	92
30	---	---	---	87	71	80	96	75	83	96	90	93
31	---	---	---	73	70	71	---	---	---	95	71	87
MONTH	---	---	---	---	---	---	97	68	83	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	92	84	87	84	78	80	70	61	63	71	55	60
2	90	84	87	81	61	70	75	67	71	74	55	62
3	93	90	91	71	57	62	73	64	68	74	55	64
4	92	84	89	80	57	68	71	63	67	74	55	63
5	94	86	90	76	65	69	71	49	64	70	58	62
6	94	85	90	77	65	69	65	51	58	74	65	70
7	93	64	87	74	55	64	81	65	73	70	40	56
8	97	82	90	70	55	61	83	74	79	53	48	51
9	87	85	86	76	55	63	82	70	76	58	50	53
10	91	85	88	66	54	58	76	60	69	70	56	61
11	94	81	87	69	55	61	68	56	61	71	56	62
12	84	79	80	78	68	75	66	52	57	70	61	64
13	91	69	79	82	72	77	65	53	59	73	66	69
14	81	61	73	82	70	74	70	57	65	76	67	71
15	83	68	79	78	65	71	62	55	57	74	63	66
16	85	71	79	75	64	68	71	62	67	63	34	53
17	82	79	81	76	69	71	79	68	74	39	36	38
18	89	81	86	74	67	70	72	64	68	41	35	38
19	92	85	89	78	67	71	72	64	68	52	40	46
20	90	88	88	79	70	75	71	65	68	65	42	55
21	93	79	87	77	66	70	73	63	67	47	39	44
22	91	78	84	71	61	65	72	64	67	45	41	43
23	88	78	83	74	62	66	---	---	---	45	38	41
24	85	78	82	71	63	65	---	---	---	45	37	41
25	89	81	85	83	47	73	74	56	66	46	39	42
26	82	79	80	74	47	61	71	56	62	51	40	44
27	82	59	77	66	53	61	74	58	63	45	35	40
28	82	59	70	80	66	72	73	58	63	43	37	40
29	71	63	67	86	66	80	69	40	54	45	40	42
30	78	71	75	70	60	64	79	52	68	45	41	43
31	---	---	---	69	58	63	80	59	71	---	---	---
MONTH	97	59	83	86	47	68	---	---	---	76	34	53

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.2	14.2	15.6	17.3	14.2	15.8	10.7	8.2	9.5	9.5	8.6	9.2
2	---	---	---	16.6	14.4	15.7	11.6	10.3	10.9	10.2	8.9	9.6
3	16.3	14.3	15.3	16.7	14.9	15.8	11.8	10.6	11.2	11.4	9.7	10.7
4	16.7	14.4	15.5	16.4	15.3	15.9	12.5	10.8	12.0	12.6	10.7	11.6
5	17.5	14.8	16.3	---	---	---	12.2	10.2	11.3	13.2	11.9	12.7
6	18.3	16.1	17.3	---	---	---	10.3	9.8	9.9	11.9	8.9	10.2
7	17.7	16.1	16.9	17.9	16.3	17.1	10.5	9.0	9.8	8.9	7.1	7.7
8	17.5	16.0	16.7	16.6	15.4	15.9	11.1	9.7	10.3	8.0	6.8	7.5
9	17.2	16.0	16.6	---	---	---	11.6	10.1	10.7	8.3	7.7	8.0
10	17.0	15.6	16.3	---	---	---	11.9	11.1	11.7	8.2	7.3	7.9
11	16.5	15.6	16.0	---	---	---	11.1	9.2	10.0	8.0	6.8	7.3
12	17.9	15.6	16.7	---	---	---	9.8	8.7	9.2	8.1	6.9	7.5
13	18.8	16.5	17.5	15.8	13.0	14.6	9.2	8.7	9.0	8.9	7.0	8.0
14	17.9	16.3	17.3	---	---	---	9.0	8.2	8.7	9.6	8.2	8.9
15	16.5	14.0	15.4	13.9	11.6	12.7	8.9	7.9	8.4	9.7	8.8	9.4
16	16.2	14.0	15.0	14.5	11.8	13.3	10.9	8.9	9.9	9.2	8.0	8.8
17	14.7	13.8	14.3	15.2	13.7	14.5	10.8	9.8	10.3	9.1	8.0	8.5
18	15.7	13.5	14.6	16.3	14.5	15.1	10.1	9.0	9.7	9.3	8.6	8.9
19	16.1	13.6	14.9	16.9	15.9	16.5	9.7	9.0	9.4	9.1	8.0	8.6
20	16.5	14.0	15.2	15.9	14.7	15.2	9.2	8.3	8.8	8.2	7.2	7.6
21	17.3	14.6	15.9	14.7	13.8	14.2	8.9	7.7	8.3	8.0	6.6	7.5
22	---	---	---	14.8	13.4	14.1	8.8	7.1	8.0	8.1	7.0	7.6
23	16.4	14.7	15.5	15.6	12.5	14.7	10.3	7.4	8.8	7.9	6.2	7.2
24	16.3	14.4	15.3	15.4	13.7	14.8	10.4	9.8	10.2	8.3	5.8	7.1
25	15.7	14.5	15.2	13.9	12.2	13.4	9.8	8.4	8.9	8.7	7.3	8.1
26	16.6	15.1	15.8	13.6	12.1	12.8	9.0	7.9	8.4	7.3	6.1	6.7
27	16.0	14.7	15.5	13.7	12.8	13.2	8.9	7.8	8.4	6.6	5.7	6.1
28	14.7	13.5	14.1	13.9	12.0	13.2	8.9	8.1	8.4	6.4	5.4	6.1
29	15.5	13.3	14.2	12.0	9.9	11.0	9.9	8.1	9.0	6.9	5.4	6.2
30	15.2	13.2	14.2	10.4	8.8	9.6	10.4	9.2	9.9	8.0	6.5	7.3
31	16.4	14.0	15.2	---	---	---	9.8	8.7	9.4	7.6	6.4	7.0
MONTH	---	---	---	---	---	---	12.5	7.1	9.6	13.2	5.4	8.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.1	6.6	7.3	12.0	8.3	10.1	13.5	11.3	12.4	17.4	15.5	16.4
2	7.0	6.0	6.6	13.3	10.8	12.0	13.7	10.4	12.2	17.7	15.7	16.8
3	7.4	6.0	6.7	14.4	12.0	13.0	15.0	11.3	13.2	17.1	14.6	15.8
4	7.2	6.0	6.7	14.4	12.7	13.5	15.1	12.0	13.6	18.0	13.6	15.9
5	7.0	6.5	6.7	14.2	12.6	13.4	15.2	11.7	13.5	19.1	14.6	17.0
6	7.4	6.6	6.9	---	---	---	15.6	12.3	13.9	20.6	16.1	18.5
7	7.4	5.9	6.7	15.3	13.3	14.2	16.0	12.0	14.0	22.1	17.6	20.0
8	6.4	5.2	5.9	13.7	11.5	12.6	16.6	13.9	15.2	23.0	18.6	21.0
9	7.0	6.0	6.5	---	---	---	17.4	14.0	15.8	22.4	19.7	21.2
10	---	---	---	---	---	---	16.7	14.1	15.6	22.3	19.3	20.8
11	---	---	---	11.9	9.1	10.4	15.9	14.5	15.3	22.6	19.6	20.8
12	---	---	---	12.0	9.7	10.6	15.7	14.5	15.1	20.7	18.3	19.5
13	8.2	6.9	7.6	12.3	10.0	11.0	14.7	12.1	13.7	20.3	18.7	19.5
14	8.2	7.8	8.0	13.5	10.2	11.8	13.6	11.2	12.3	20.1	18.6	19.3
15	8.5	8.1	8.3	13.9	11.5	12.7	15.3	11.1	13.2	21.4	17.9	19.7
16	8.1	7.5	7.8	14.7	12.2	13.2	16.6	12.3	14.5	22.5	18.9	20.5
17	7.7	7.0	7.4	14.6	11.8	13.0	17.8	13.7	15.9	21.4	19.4	20.3
18	8.7	6.4	7.5	13.1	11.1	12.2	19.2	14.9	17.2	22.2	18.9	19.8
19	9.1	7.3	8.0	14.7	11.0	12.6	19.8	15.9	18.1	20.0	17.7	18.8
20	9.1	8.0	8.5	15.4	11.9	13.4	20.3	17.2	18.9	21.2	17.5	19.3
21	10.9	8.4	9.5	15.0	12.7	13.8	20.1	17.4	18.8	---	---	---
22	11.1	8.7	9.8	13.4	10.8	12.1	20.1	16.8	18.7	---	---	---
23	9.8	9.0	9.3	12.7	9.5	10.9	20.6	17.0	18.9	---	---	---
24	9.3	8.5	8.9	13.1	10.0	11.4	21.2	17.6	19.5	---	---	---
25	9.0	8.3	8.7	15.0	10.6	12.7	20.7	17.8	19.4	24.4	21.2	22.7
26	8.5	6.6	7.3	16.4	12.0	14.1	19.7	17.4	18.4	24.4	21.1	22.8
27	7.3	6.5	6.8	17.1	13.3	15.2	18.7	15.9	17.3	24.3	20.9	22.6
28	9.0	6.2	7.5	17.7	14.1	16.0	18.4	14.3	16.5	23.9	21.3	22.6
29	9.9	7.3	8.5	17.6	15.6	16.5	18.7	15.3	17.1	22.8	21.2	22.0
30	---	---	---	16.9	14.5	15.9	17.7	16.1	16.5	23.7	20.4	22.0
31	---	---	---	14.8	12.6	14.1	---	---	---	22.6	19.9	21.1
MONTH	---	---	---	---	---	---	21.2	10.4	15.8	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.6	19.0	19.8	22.0	19.4	20.9	20.6	19.2	19.9	17.8	16.1	17.2
2	20.8	19.1	20.0	19.4	17.6	18.4	21.1	18.8	19.7	18.2	16.1	17.2
3	21.5	18.8	20.2	19.8	16.9	18.5	19.1	18.3	18.7	16.8	14.4	16.0
4	22.5	19.2	20.7	20.3	16.5	18.5	21.1	18.1	19.3	17.7	14.4	16.1
5	22.6	19.0	20.8	21.1	19.2	19.9	22.2	18.4	19.6	18.4	16.1	17.3
6	22.7	19.9	21.3	21.0	19.1	19.9	22.7	19.5	21.1	19.9	17.7	18.7
7	21.6	20.3	20.9	20.4	15.7	17.9	22.9	19.6	21.2	21.5	19.8	20.8
8	20.7	19.1	19.5	17.9	16.0	17.0	23.0	20.0	21.5	21.5	20.4	21.0
9	21.5	18.8	20.0	18.0	14.5	16.7	21.3	18.6	20.1	22.8	20.8	21.8
10	22.2	19.5	20.8	17.4	14.5	16.0	18.7	14.5	17.3	22.4	17.5	20.9
11	22.7	19.7	21.2	20.9	16.0	18.4	16.3	14.1	15.0	20.2	17.4	18.5
12	23.4	19.4	21.4	22.4	19.7	21.2	18.1	14.6	16.5	19.2	18.0	18.6
13	24.0	21.8	22.7	23.7	21.0	22.2	20.0	17.2	18.6	19.4	17.9	18.6
14	23.4	21.6	22.4	23.7	20.7	22.0	21.1	16.9	19.5	19.6	17.3	18.2
15	24.0	21.7	22.5	21.1	19.0	20.0	18.4	15.8	17.1	17.3	16.5	16.8
16	23.1	20.3	21.7	22.1	20.5	21.1	20.7	17.6	19.0	21.2	16.5	18.0
17	23.9	21.1	22.6	22.0	20.0	20.9	20.9	18.4	19.5	22.2	21.1	21.7
18	25.1	22.0	23.5	22.4	19.2	20.9	19.2	17.8	18.5	22.2	21.2	21.7
19	24.7	22.1	23.6	23.0	20.4	21.6	18.9	17.5	18.1	21.8	20.2	21.0
20	25.8	22.5	24.0	21.5	19.5	20.5	19.4	17.7	18.6	20.3	13.4	18.1
21	24.3	22.3	23.3	20.3	17.9	19.1	19.1	17.7	18.6	13.7	12.5	13.1
22	23.1	21.4	22.1	19.2	17.7	18.3	19.8	17.4	18.6	13.5	12.5	13.0
23	22.9	20.9	21.7	20.0	17.7	18.6	---	---	---	13.6	12.5	13.0
24	22.2	21.3	21.7	22.4	18.4	20.3	---	---	---	13.8	12.7	13.2
25	21.9	20.4	21.2	23.4	19.9	21.3	20.3	17.7	18.5	14.3	12.9	13.5
26	21.7	20.0	20.9	23.2	19.5	21.3	19.7	17.6	18.8	15.7	13.6	14.4
27	22.8	20.3	21.5	22.8	20.7	21.8	20.6	17.7	19.1	17.8	13.2	14.4
28	22.5	20.1	20.7	24.9	21.4	23.0	19.3	17.1	18.1	19.5	17.1	18.7
29	22.7	20.8	21.8	24.0	19.0	22.1	22.6	18.1	20.2	19.0	14.3	15.7
30	23.5	22.0	22.6	19.3	17.2	18.4	21.4	18.5	20.1	14.3	13.3	13.9
31	---	---	---	20.1	16.9	18.4	20.0	17.8	19.2	---	---	---
MONTH	25.8	18.8	21.6	24.9	14.5	19.8	---	---	---	22.8	12.5	17.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	35	10	15	30	6.6	11	28	9.5	13	20	5.2	11
2	27	9.6	14	59	7.6	12	43	9.7	14	16	4.3	7.0
3	17	9.9	13	42	6.5	12	73	7.2	29	19	4.9	7.8
4	20	8.1	12	52	7.5	16	134	43	66	17	4.0	6.5
5	12	7.1	8.6	62	9.0	15	49	7.3	13	38	5.1	13
6	15	7.3	9.5	80	13	21	22	7.9	11	46	17	23
7	28	8.3	14	48	17	24	20	5.5	7.4	26	10	17
8	126	12	30	26	9.3	12	23	5.1	8.5	28	10	17
9	31	11	17	14	6.7	9.0	15	8.4	12	31	9.3	17
10	40	11	14	27	6.7	8.8	87	13	32	26	6.9	12
11	25	8.9	12	21	10	13	69	21	42	14	5.5	7.8
12	18	8.2	10	18	7.5	12	76	21	34	11	4.3	6.9
13	25	7.4	12	34	8.3	13	22	11	16	16	4.2	8.0
14	25	9.5	17	22	12	16	29	12	18	23	7.7	13
15	28	11	15	27	5.9	9.0	65	12	23	48	7.5	17
16	17	9.6	13	16	5.2	8.8	67	13	28	36	8.1	14
17	22	6.6	11	168	6.0	32	31	13	23	19	6.6	11
18	19	6.1	8.8	200	22	30	39	13	22	14	6.1	9.4
19	13	6.7	9.3	559	130	323	20	12	15	30	7.3	10
20	13	7.0	9.8	560	105	338	25	8.8	14	54	5.3	15
21	21	8.6	12	224	56	77	14	5.1	8.3	16	5.5	9.1
22	17	9.1	12	83	20	34	13	4.6	7.1	9.6	3.6	5.4
23	17	8.3	11	95	24	52	21	6.1	11	5.4	2.7	3.4
24	14	8.3	10	66	26	48	32	16	23	12	2.7	3.2
25	26	8.4	13	88	18	44	38	14	26	187	7.1	62
26	389	8.1	47	41	12	19	28	7.6	14	124	67	81
27	83	36	57	119	14	23	18	5.9	9.8	151	32	84
28	73	18	37	80	19	33	15	6.0	8.6	34	11	18
29	35	13	18	25	17	21	25	6.0	10	21	8.5	14
30	27	9.4	16	30	11	16	27	11	15	38	7.7	15
31	28	8.8	16	---	---	---	27	12	18	13	5.7	7.6
MAX	389	36	57	560	130	338	134	43	66	187	67	84
MIN	12	6.1	8.6	14	5.2	8.8	13	4.6	7.1	5.4	2.7	3.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10	3.9	6.4	7.0	<2.0	<2.0	16	4.8	6.9	12	3.5	5.3
2	52	4.4	6.5	2.7	<2.0	<2.0	7.2	3.8	4.5	29	7.1	16
3	81	13	35	4.3	<2.0	<2.0	9.9	2.9	4.3	18	7.1	10
4	90	29	62	3.2	<2.0	<2.0	11	3.7	5.0	13	6.0	8.7
5	34	9.3	20	6.2	<5.0	<2.0	29	3.8	4.9	14	4.6	6.8
6	587	8.2	71	33	<2.0	16	19	5.9	10	8.0	2.8	5.0
7	213	69	110	10	3.7	6.7	13	3.3	6.7	8.0	2.7	4.2
8	334	55	163	10	3.0	4.6	15	3.7	7.3	7.3	<2.0	3.7
9	104	17	26	---	<2.0	---	16	3.7	7.5	7.2	<2.0	3.5
10	---	---	---	---	---	---	25	4.4	9.0	402	2.4	4.1
11	---	---	---	14	3.7	6.2	53	6.5	17	1020	10	32
12	---	---	---	20	4.4	9.0	42	6.7	15	231	4.7	8.9
13	114	31	62	14	5.5	7.7	335	24	64	156	11	20
14	83	13	23	9.1	4.5	5.5	40	25	30	19	6.5	11
15	47	7.1	16	19	4.9	6.4	54	18	27	14	4.2	7.3
16	43	21	28	19	6.2	7.7	23	8.0	12	387	4.7	8.5
17	49	17	37	17	5.6	8.0	25	5.0	8.4	614	14	48
18	24	5.9	11	20	7.2	11	15	4.0	7.1	799	24	45
19	9.5	<2.0	5.0	14	5.2	7.3	9.4	2.8	4.5	551	26	47
20	7.7	<2.0	2.4	10	5.1	6.4	7.3	2.9	3.9	29	14	19
21	5.6	<2.0	<2.0	18	4.2	5.9	11	3.3	5.0	---	---	---
22	5.3	<2.0	2.1	13	6.1	8.5	9.5	3.9	5.4	---	---	---
23	7.6	<2.0	2.0	14	5.1	7.5	9.2	4.1	5.8	---	---	---
24	3.0	<2.0	<2.0	13	4.7	6.4	10	4.3	5.8	---	---	---
25	3.0	<2.0	<2.0	18	4.0	5.9	12	4.1	5.7	16	5.7	8.4
26	7.3	<2.0	3.4	13	4.1	6.4	42	4.4	18	10	3.7	6.1
27	7.2	<2.0	<2.0	13	3.8	5.7	18	7.0	11	8.6	3.5	4.7
28	7.0	<2.0	<2.0	11	3.2	4.9	13	4.8	6.7	8.4	2.4	4.3
29	2.2	<2.0	<2.0	18	3.5	7.2	18	3.8	5.4	36	3.4	5.2
30	---	---	---	89	6.2	27	16	4.5	7.8	24	3.4	6.8
31	---	---	---	20	6.4	12	---	---	---	159	4.2	40
MAX	---	---	---	---	---	---	335	25	64	---	---	---
MIN	---	---	---	---	---	---	7.2	2.8	3.9	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20	6.7	11	66	30	45	206	34	66	32	13	20
2	11	5.9	7.7	238	30	131	49	31	38	22	11	13
3	9.2	3.8	6.3	814	68	253	57	27	33	35	15	20
4	8.0	2.9	5.5	81	37	54	37	18	25	17	10	14
5	7.6	2.9	4.9	57	25	37	712	22	30	17	7.6	12
6	8.0	2.6	4.1	64	29	37	333	25	46	14	6.5	9.1
7	502	2.3	4.0	122	34	54	31	20	26	256	8.6	145
8	90	7.2	16	79	28	58	30	15	21	302	161	206
9	41	7.2	21	78	26	37	34	15	22	164	72	122
10	19	8.1	11	56	11	29	73	15	26	73	43	62
11	32	5.9	14	19	9.1	13	47	15	27	48	25	34
12	9.5	4.1	5.6	21	7.6	12	427	20	141	54	19	32
13	415	4.7	75	27	6.4	14	284	56	81	31	11	14
14	846	21	70	32	14	20	161	58	100	13	9.2	10
15	338	14	19	71	17	34	65	21	28	18	9.4	11
16	184	22	30	86	53	64	46	21	28	474	9.8	16
17	33	16	21	114	20	40	70	23	40	1080	384	498
18	19	8.8	14	134	22	39	56	32	42	535	221	295
19	19	5.8	9.3	34	13	23	74	25	54	223	84	134
20	12	4.5	7.2	36	12	22	78	25	45	161	63	77
21	122	5.0	8.3	34	14	22	89	25	36	122	50	74
22	66	8.8	19	28	14	20	63	27	33	72	37	50
23	46	14	19	24	12	17	---	---	---	74	34	40
24	29	11	17	18	6.7	11	---	---	---	78	30	38
25	37	12	21	668	7.5	20	313	6.7	11	40	19	28
26	54	21	34	681	71	112	67	33	50	65	17	21
27	548	16	23	230	24	48	45	17	26	318	26	33
28	495	98	139	42	16	24	20	10	15	233	102	128
29	298	119	185	64	21	39	422	10	60	239	37	66
30	125	42	65	61	31	37	165	20	31	46	26	32
31	---	---	---	389	60	215	47	15	25	---	---	---
MAX	846	119	185	814	71	253	---	---	---	1080	384	498
MIN	7.6	2.3	4.0	18	6.4	11	---	---	---	13	6.5	9.1

APALACHICOLA RIVER BASIN
2004 Water Year

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA

LOCATION.—Lat 33°51'33", long. 84°27'16", Reference to North American Datum (NAD) of 1983 Fulton County, Hydrologic Unit Code 03130001, 30 feet upstream from new bridge on Paces Ferry Road, 1.0 mile downstream from Rottenwood Creek, 2.5 miles upstream from Peachtree Creek, and at river mile 303.0.

DRAINAGE AREA.—1,450 square miles.

COOPERATION.—National Park Service, Upper Chattahoochee Riverkeeper, Cobb County Water System, Cobb-Marietta Water Authority.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 1937 to April 1938, September 1957 to September 1960, January 1962 to January 1969, September 1971 to September 1979, September 1988 to October 1988, July 1995, March 1999 to current year.

REMARKS.—Bacteriological and turbidity laboratory analyses are by the U.S. Geological Survey and the National Park Service at the Georgia Water Science Center Laboratory.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Turbdty white light, det ang 9030 corrctd NTRU (63676)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
OCT				
01...	0820	9.0	110	3720
03...	0830	9.0	120	3670
06...	0840	9.0	710	6940
08...	0820	37	3200	>24200
10...	0815	12	230	5110
15...	0840	16	220	6870
17...	1045	8.0	130	5010
20...	0830	6.5	71	4840
22...	0925	7.7	100	3270
24...	0845	6.9	73	918
27...	0830	30	2300	>242000
29...	0900	11	310	10300
31...	0900	6.5	110	1780
NOV				
03...	0915	5.1	98	3740
05...	0915	12	140	3060
07...	0950	16	300	10600
12...	0910	9.9	97	2490
14...	0920	8.7	96	3650
17...	0945	13	820	61300
19...	1205	260	5900	>242000
21...	0940	58	1300	27900
24...	0935	37	150	7450
DEC				
01...	0935	8.2	65	1620
03...	0930	17	95	2200
05...	0845	10	140	2160
08...	0920	6.3	56	1280
10...	0910	21	410	9670
12...	0930	26	280	10500
15...	0800	6.5	480	8720
17...	0900	21	320	10700
19...	1000	10	180	3150
22...	0910	6.1	76	2000
29...	0910	5.2	37	817
JAN				
05...	0900	4.7	57	444

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Turbdty white light, det ang 9030 corrctd NTRU (63676)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
07...	0930	13	380	2970
09...	0900	12	170	1310
12...	0850	5.1	55	764
14...	1050	12	38	776
16...	0830	13	63	617
21...	0945	8.2	64	554
23...	0840	3.0	36	724
26...	0915	60	1200	18500
28...	0925	4.1	160	2470
30...	0930	9.7	40	680
FEB				
02...	0930	3.8	76	857
04...	0900	46	160	3780
06...	0920	10	140	2310
09...	0900	15	210	1390
11...	0915	4.0	51	775
13...	0915	45	300	6090
18...	0930	9.8	170	2460
20...	1000	6.3	43	642
23...	0940	4.6	68	990
25...	0950	3.8	170	1030
MAR				
01...	0905	3.3	47	828
03...	0840	4.4	56	1190
05...	0930	4.4	48	2000
08...	0850	2.3	71	1840
10...	1020	3.4	22	1410
12...	0930	3.4	47	1510
15...	0930	3.6	47	2790
17...	0850	3.7	68	1840
19...	1000	4.8	68	2180
22...	0845	3.3	39	2260
24...	0910	4.2	36	2030
26...	0920	4.4	47	2550
29...	0830	3.3	27	4000
31...	0915	9.2	200	12700
APR				
02...	0945	3.4	49	2740
05...	0845	4.1	12	2440
07...	0830	<2.0	34	1750
09...	0810	2.6	23	1950
12...	0815	3.5	150	9800
14...	0830	18	630	24200
16...	0815	8.0	66	4260
19...	0830	3.5	45	4350
21...	0830	4.1	30	4080
23...	0915	3.9	160	3470
26...	0915	12	440	12700
28...	0815	6.0	170	4840
30...	0930	6.0	100	6480
MAY				
05...	0830	6.5	43	9210
07...	0940	3.7	57	7370
10...	0810	4.2	150	6790
12...	0815	5.3	210	15500
14...	0800	4.9	150	11400
17...	0900	23	1800	242000
19...	0830	30	1800	>2420
21...	0930	7.4	200	17700
24...	0930	5.6	140	19200
26...	0930	5.0	51	15500
28...	0820	4.5	37	9030
JUN				
02...	0815	6.7	190	13000
04...	0845	10	67	2420
07...	0900	3.7	37	3970
09...	0845	13	300	12000
14...	0700	270	20000	>242000
16...	0815	29	1000	81600
18...	0805	13	190	29100
21...	1100	5.1	120	17800

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Turbdty white light, det ang 9030 corrctd NTRU (63676)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
23...	0805	12	300	32600
28...	0815	76	1800	98000
30...	0745	61	270	23900
JUL				
07...	0835	50	850	>2420
12...	0815	10	170	48800
14...	0930	20	140	15500
21...	0845	12	99	6130
26...	0830	54	3000	141000
28...	0830	25	920	8660
AUG				
02...	0830	26	270	7100
04...	0846	10	93	6350
09...	0840	14	76	8160
11...	0830	9.2	110	13000
18...	0820	13	87	4330
23...	0730	3.7	160	16900
25...	0900	5.6	87	3660
30...	0830	30	1800	64900
SEP				
01...	0750	21	250	10700
08...	0810	190	5300	240000
13...	0730	9.3	130	7820
15...	0815	5.3	220	9400
20...	0845	--	270	34500
22...	0825	41	33	4350
27...	0830	25	120	8360
29...	0800	84	1400	130000

0Remark codes used in this table:
< -- Less than
> -- Greater than

2004 Water Year

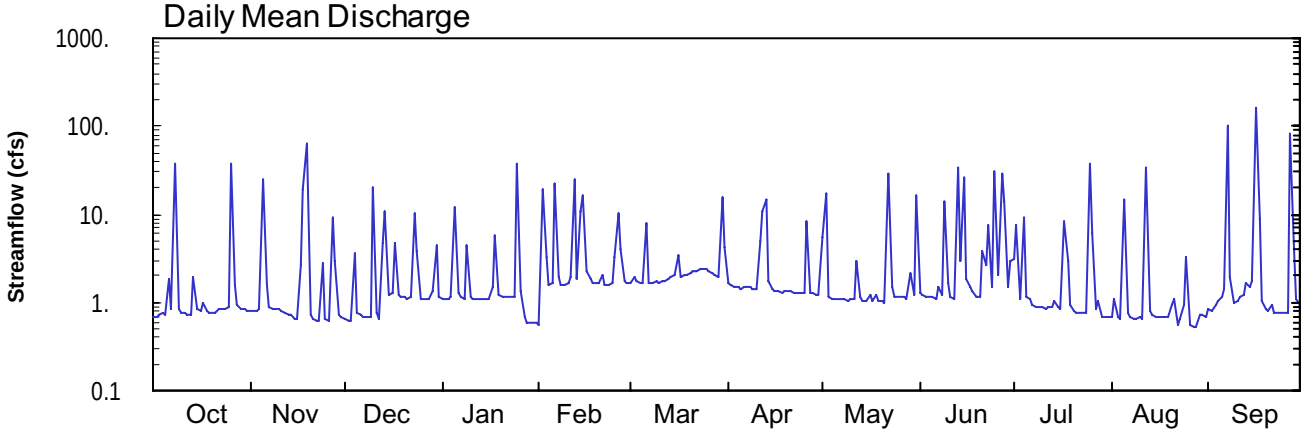
APALACHICOLA RIVER BASIN

02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA

Latitude: 33°54'20" Longitude: 084°13'30" Hydrologic Unit Code: 03130001

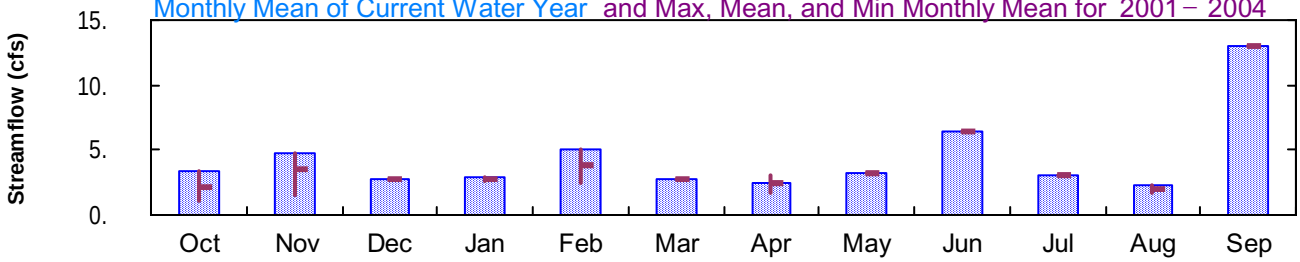
Gwinnett County Datum: 950.00 feet Drainage Area: 1.42 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA

LOCATION.—Lat 33°54'20", long 84°13'30", referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, at bridge at Graves Road, 0.3 miles east of Interstate 85.

DRAINAGE AREA.—1.42 square miles.

COOPERATION.— Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 8, 2001 to current year

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 8, 2001 to current year

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.22 feet, September 16; minimum gage-height recorded, 1.34 feet, August 30.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 9, 2001 to current year

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.67	0.80	0.65	1.1	0.57	1.6	1.6	5.6	1.3	3.2	0.67	0.87
2	0.70	0.79	0.61	1.1	19	1.9	1.5	17	1.2	7.6	1.1	0.80
3	0.73	0.81	0.63	1.1	3.2	1.8	1.5	1.2	1.2	1.1	0.68	0.95
4	0.74	0.83	3.7	1.1	1.6	1.7	1.5	1.1	1.2	9.3	0.66	1.0
5	0.74	24	0.78	12	1.6	1.7	1.4	1.1	1.1	1.2	15	1.2
6	1.9	1.6	0.72	1.3	22	7.9	1.5	1.1	1.1	1.1	0.78	1.4
7	0.84	0.89	0.69	1.1	1.9	1.6	1.5	1.1	1.5	0.96	0.67	102
8	38	0.83	0.67	1.1	1.6	1.7	1.5	1.1	1.2	0.91	0.64	2.0
9	0.84	0.86	0.68	4.6	1.6	1.7	1.4	1.1	14	0.87	0.66	0.97
10	0.76	0.85	20	1.2	1.7	1.7	1.5	1.1	1.6	0.87	0.68	1.0
11	0.75	0.79	0.77	1.1	2.0	1.7	4.9	1.1	1.2	0.86	0.65	1.1
12	0.74	0.76	0.67	1.1	25	1.8	11	2.9	1.1	0.87	34	1.2
13	0.74	0.71	4.8	1.1	1.9	1.8	15	1.2	34	0.87	0.78	1.6
14	1.9	0.71	11	1.1	11	2.0	1.7	1.1	2.9	1.0	0.71	1.5
15	0.86	0.66	1.2	1.1	17	2.1	1.4	1.0	26	0.87	0.70	1.7
16	0.81	0.66	1.3	1.1	2.3	3.4	1.4	1.2	1.9	0.84	0.70	166
17	0.97	2.6	4.7	1.5	1.8	1.9	1.3	1.0	1.5	8.3	0.69	8.6
18	0.79	19	1.2	5.8	1.7	2.0	1.3	1.2	1.4	3.0	0.68	1.1
19	0.76	64	1.2	1.2	1.7	2.0	1.4	1.0	1.2	0.93	0.68	0.86
20	0.78	0.74	1.1	1.1	1.7	2.1	1.4	1.0	1.2	0.79	e0.95	0.82
21	0.77	0.64	1.1	1.1	2.1	2.3	1.3	1.0	3.8	0.78	e1.1	0.91
22	0.84	0.61	1.2	1.1	1.6	2.2	1.3	29	2.6	0.76	e0.57	0.77
23	0.85	0.62	10	1.1	1.6	2.3	1.3	1.5	7.7	0.75	e0.64	0.76
24	0.87	2.7	3.7	1.1	1.6	2.5	1.3	1.2	1.5	0.75	e0.93	0.76
25	0.88	0.66	1.1	38	3.2	2.4	1.3	1.1	31	38	e3.2	0.76
26	38	0.62	1.1	1.3	10	2.2	8.5	1.1	2.1	6.0	0.56	0.77
27	1.6	9.0	1.1	0.70	3.9	2.2	1.3	1.1	29	0.83	0.53	83
28	0.94	3.0	1.1	0.60	1.7	2.0	1.3	1.1	14	1.0	0.53	4.7
29	0.86	0.72	1.3	0.58	1.6	1.9	1.2	2.2	1.5	0.69	0.72	1.1
30	0.85	0.69	4.6	0.58	---	15	1.2	1.2	3.0	0.68	0.72	0.96
31	0.81	---	1.1	0.58	---	4.3	---	17	---	0.67	0.69	---
TOTAL	102.29	142.15	84.47	88.64	148.17	83.4	75.7	101.7	194.0	96.35	72.27	391.16
MEAN	3.30	4.74	2.72	2.86	5.11	2.69	2.52	3.28	6.47	3.11	2.33	13.0
MAX	38	64	20	38	25	15	15	29	34	38	34	166
MIN	0.67	0.61	0.61	0.58	0.57	1.6	1.2	1.0	1.1	0.67	0.53	0.76
MED	0.84	0.79	1.1	1.1	1.8	2.0	1.4	1.1	1.5	0.87	0.69	1.0
AC-FT	203	282	168	176	294	165	150	202	385	191	143	776

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	2.19	3.56	2.72	2.75	3.82	2.69	2.46	3.28	6.47	3.11	1.98	13.0
MAX	3.30	4.74	2.72	2.86	5.11	2.69	3.13	3.28	6.47	3.11	2.33	13.0
(WY)	2004	2004	2004	2004	2004	2004	2003	2004	2004	2004	2004	2004
MIN	1.09	1.47	2.72	2.64	2.48	2.69	1.72	3.28	6.47	3.11	1.63	13.0
(WY)	2002	2002	2004	2003	2002	2004	2002	2004	2004	2004	2001	2004

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	1580.30			
ANNUAL MEAN	4.32		4.32	
HIGHEST ANNUAL MEAN			4.32	2004
LOWEST ANNUAL MEAN			4.32	2004
HIGHEST DAILY MEAN	166	Sep 16	166	Sep 16 2004
LOWEST DAILY MEAN	0.53	Aug 27 a	0.22	Aug 8 2002
ANNUAL SEVEN-DAY MINIMUM	0.66	Aug 26	0.22	Sep 4 2002
MAXIMUM PEAK FLOW	1290	Sep 16	1290	Sep 16 2004
MAXIMUM PEAK STAGE	10.22	Sep 16	10.22	Sep 16 2004
ANNUAL RUNOFF (AC-FT)	3130		3130	
10 PERCENT EXCEEDS	8.7		8.7	
50 PERCENT EXCEEDS	1.2		1.2	
90 PERCENT EXCEEDS	0.69		0.69	

e Estimated
a Also Aug 28

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.54	1.56	1.60	1.60	1.61	1.65	1.64	1.71	1.62	1.67	1.56	1.42
2	1.55	1.56	1.59	1.60	1.87	1.66	1.64	1.87	1.61	1.73	1.63	1.42
3	1.55	1.57	1.59	1.60	1.73	1.65	1.64	1.61	1.61	1.59	1.57	1.46
4	1.55	1.57	1.80	1.60	1.64	1.65	1.63	1.60	1.60	1.72	1.56	1.48
5	1.55	1.85	1.62	1.83	1.65	1.65	1.63	1.60	1.60	1.60	1.81	1.51
6	1.60	1.64	1.61	1.61	1.95	1.78	1.63	1.60	1.60	1.59	1.60	1.57
7	1.57	1.58	1.60	1.60	1.67	1.65	1.63	1.59	1.63	1.58	1.56	3.11
8	1.96	1.57	1.60	1.60	1.64	1.65	1.64	1.59	1.61	1.57	1.55	2.03
9	1.57	1.57	1.60	1.74	1.64	1.65	1.63	1.59	1.77	1.57	1.56	1.89
10	1.56	1.58	2.00	1.61	1.65	1.65	1.63	1.60	1.64	1.57	1.57	1.91
11	1.56	1.58	1.62	1.60	1.66	1.65	1.72	1.60	1.61	1.56	1.56	1.93
12	1.55	1.59	1.60	1.60	2.01	1.65	1.74	1.66	1.60	1.56	2.10	1.95
13	1.55	1.59	1.74	1.60	1.66	1.66	1.90	1.60	2.04	1.57	1.60	2.02
14	1.62	1.60	1.81	1.60	1.91	1.67	1.65	1.59	1.70	1.58	1.58	2.00
15	1.57	1.60	1.61	1.60	1.96	1.68	1.63	1.59	1.87	1.57	1.57	2.04
16	1.57	1.60	1.61	1.60	1.69	1.73	1.63	1.61	1.66	1.56	1.57	3.33
17	1.59	1.69	1.73	1.62	1.66	1.67	1.62	1.59	1.63	1.69	1.57	2.30
18	1.56	1.83	1.61	1.76	1.65	1.67	1.62	1.60	1.62	1.66	1.57	1.92
19	1.56	2.20	1.61	1.61	1.65	1.67	1.62	1.59	1.61	1.57	1.57	1.87
20	1.56	1.61	1.60	1.60	1.65	1.68	1.63	1.59	1.60	1.55	---	1.85
21	1.56	1.60	1.60	1.60	1.67	1.69	1.62	1.59	1.68	1.55	---	1.88
22	1.57	1.59	1.60	1.60	1.64	1.69	1.62	1.90	1.67	1.55	---	1.84
23	1.57	1.59	1.74	1.60	1.64	1.69	1.62	1.63	1.72	1.55	---	1.84
24	1.57	1.70	1.70	1.60	1.65	1.70	1.62	1.61	1.63	1.55	---	1.83
25	1.58	1.60	1.60	2.32	1.72	1.70	1.62	1.60	1.94	1.84	---	1.84
26	2.07	1.59	1.60	1.71	1.94	1.69	1.82	1.60	1.67	1.81	1.52	1.84
27	1.64	1.83	1.60	1.64	1.76	1.68	1.62	1.60	1.94	1.61	1.51	2.71
28	1.59	1.76	1.60	1.62	1.65	1.67	1.61	1.60	1.85	1.63	1.51	2.18
29	1.57	1.61	1.61	1.61	1.64	1.66	1.61	1.65	1.63	1.57	1.58	1.93
30	1.57	1.61	1.71	1.61	---	1.89	1.61	1.61	1.68	1.57	1.46	1.89
31	1.57	---	1.60	1.61	---	1.73	---	1.80	---	1.56	1.38	---
MEAN	1.60	1.65	1.65	1.65	1.72	1.68	1.65	1.63	1.69	1.61	---	1.96
MAX	2.07	2.20	2.00	2.32	2.01	1.89	1.90	1.90	2.04	1.84	---	3.33
MIN	1.54	1.56	1.59	1.60	1.61	1.65	1.61	1.59	1.60	1.55	---	1.42

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.15	0.00	0.10
2	0.00	0.00	0.00	0.00	0.83	0.06	0.00	0.51	0.00	0.25	0.24	0.04
3	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.01	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00
5	0.00	0.98	0.01	0.56	0.02	0.00	0.00	0.00	0.00	0.03	1.02	0.00
6	0.09	0.06	0.00	0.00	0.79	0.33	0.00	0.00	0.00	0.03	0.00	0.13
7	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4.08
8	1.43	0.00	0.00	0.05	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.07
9	0.00	0.00	0.00	0.22	0.00	0.02	0.00	0.00	0.85	0.01	0.00	0.00
10	0.00	0.00	1.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.01	0.00	0.00	0.00	0.11	0.00	0.26	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.80	0.00	0.52	0.12	0.00	0.00	1.54	0.00
13	0.00	0.00	0.42	0.00	0.00	0.00	0.48	0.01	1.35	0.00	0.00	0.00
14	0.15	0.00	0.26	0.00	0.43	0.00	0.00	0.00	0.02	0.04	0.00	0.00
15	0.00	0.00	0.01	0.00	0.57	0.00	0.00	0.00	0.92	0.00	0.00	0.00
16	0.00	0.00	0.10	0.00	0.00	0.15	0.00	0.12	0.05	0.00	0.00	5.50
17	0.07	0.19	0.14	0.25	0.00	0.00	0.00	0.00	0.01	0.53	0.00	0.12
18	0.00	1.00	0.00	0.09	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.00
19	0.00	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
21	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.22	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.13	0.00	0.00	0.00
23	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00
24	0.00	0.23	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
25	0.00	0.00	0.00	1.91	0.20	0.00	0.00	0.00	1.02	1.85	0.13	0.00
26	1.63	0.00	0.00	0.03	0.23	0.00	0.50	0.00	0.03	0.20	0.00	0.00
27	0.03	0.66	0.00	0.00	0.30	0.00	0.00	0.00	0.94	0.05	0.00	2.42
28	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.01	0.00	0.01
29	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.18	0.01	0.04	0.02	0.00
30	0.00	0.00	0.17	0.00	---	0.76	0.01	0.00	0.20	0.01	0.00	0.00
31	0.00	---	0.00	0.00	---	0.22	---	0.62	---	0.00	0.00	---
TOTAL	3.44	5.00	3.19	3.11	4.43	1.58	1.80	2.94	6.71	3.70	3.03	12.47

02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA

LOCATION.—Lat 33°54'20", long 84°13'30", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit Code 03130001, at bridge at Graves Road, 0.3 miles east of Interstate 85.

DRAINAGE AREA.—1.42 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—June 20, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: June 20, 2001 to current year.
WATER TEMPERATURE: June 20, 2001 to current year.
TURBIDITY: June 20, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity, which is fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 1,370 microsiemens, January 3, 2002; minimum recorded, 12 microsiemens, July 25, 2001, May 4, 2002.
WATER TEMPERATURE: Maximum recorded, 28.5°C, August 16, 2003; minimum recorded, 1.2°C, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <2.0 NTU, on several days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 390 microsiemens, February 26; minimum recorded, 13 microsiemens, November 19, September 7.
WATER TEMPERATURE: Maximum recorded, 27.4°C, July 4; minimum recorded, 3.1°C, February 2.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	100	95	96	109	103	105	92	90	91	88	83	86
2	97	96	96	103	101	102	95	92	94	87	83	85
3	96	94	95	103	101	101	95	93	94	88	84	86
4	96	93	95	107	101	103	94	62	71	88	84	86
5	97	95	96	109	24	83	86	72	80	90	27	68
6	103	87	96	89	51	73	89	86	88	83	59	74
7	110	96	103	104	87	92	90	88	89	88	83	86
8	100	20	54	115	96	100	91	89	90	91	87	88
9	92	67	82	100	98	99	92	91	92	92	48	67
10	96	89	93	102	98	100	92	27	57	85	76	82
11	95	93	94	99	98	99	89	67	80	88	85	86
12	95	94	95	100	98	99	101	89	93	92	88	89
13	99	95	97	114	98	104	101	51	88	---	---	---
14	98	60	92	108	101	103	77	32	59	91	89	91
15	93	84	89	101	98	99	89	77	84	96	90	92
16	103	93	98	98	97	98	93	88	91	97	91	93
17	102	89	98	99	58	90	88	53	67	106	79	92
18	97	94	96	95	29	82	89	77	84	84	39	70
19	97	96	97	75	15	53	96	89	93	89	84	87
20	97	96	97	93	75	88	96	93	94	90	88	89
21	100	96	98	95	92	93	94	92	93	90	88	89
22	101	95	98	95	94	95	94	92	93	90	89	89
23	99	95	97	95	95	95	94	31	85	94	88	91
24	100	97	98	95	52	79	82	32	65	97	86	91
25	97	96	97	92	78	87	87	82	85	87	25	42
26	97	22	61	93	91	92	88	87	88	85	50	74
27	108	52	77	98	37	76	89	87	88	89	85	87
28	125	108	113	77	48	64	89	87	88	89	87	88
29	138	120	127	88	77	84	90	83	89	89	88	89
30	142	132	138	90	88	89	83	32	65	91	88	89
31	135	109	123	---	---	---	83	78	81	90	88	89
MONTH	142	20	96	115	15	91	101	27	84	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	90	89	90	89	87	88	90	77	86	107	25	82
2	99	26	76	103	84	88	91	87	88	71	25	51
3	85	61	76	100	88	92	91	86	88	80	71	77
4	87	85	86	96	86	91	87	84	85	85	79	81
5	95	86	89	91	85	88	89	85	87	84	82	83
6	97	26	67	89	47	76	89	82	86	84	83	83
7	89	73	84	86	82	83	87	80	84	87	82	84
8	89	88	89	89	83	86	88	84	86	86	84	85
9	91	88	89	87	84	85	87	80	84	86	83	85
10	93	88	90	90	83	86	86	80	84	85	82	84
11	89	73	88	87	82	85	85	42	77	86	82	84
12	85	24	55	86	82	85	96	32	84	88	70	83
13	86	78	83	86	82	85	97	25	62	84	75	80
14	86	39	59	114	86	98	113	89	100	86	83	84
15	79	26	57	116	95	108	121	100	109	85	83	84
16	86	66	80	123	82	104	123	103	112	88	83	85
17	89	86	87	94	85	89	118	109	113	86	83	84
18	89	88	88	90	84	87	177	115	148	90	83	85
19	90	88	89	90	82	87	193	166	178	86	83	84
20	92	88	89	89	79	85	206	187	194	85	83	84
21	96	89	92	95	81	88	205	178	196	85	82	84
22	90	87	89	88	78	84	202	196	199	84	38	70
23	90	88	89	88	78	84	202	193	198	81	64	75
24	90	87	88	89	78	84	197	186	190	85	80	82
25	89	72	85	89	77	84	196	172	178	84	82	83
26	390	68	166	91	78	85	177	51	111	85	83	84
27	104	60	80	90	77	85	118	103	113	86	83	84
28	87	76	84	90	77	85	114	93	103	88	84	86
29	88	86	87	89	79	85	95	85	91	89	78	84
30	---	---	---	103	48	70	87	85	86	89	82	85
31	---	---	---	84	49	77	---	---	---	84	30	63
MONTH	390	24	85	123	47	87	206	25	117	107	25	81

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	84	71	79	89	58	79	95	94	94	---	---	---
2	85	81	83	78	25	62	95	73	91	109	97	101
3	84	82	83	88	74	83	100	89	93	102	98	100
4	85	82	83	92	33	77	106	94	98	100	88	96
5	85	81	83	178	68	113	105	24	79	88	84	86
6	83	80	82	115	92	96	79	53	70	86	79	85
7	98	81	84	99	95	96	87	79	82	---	---	---
8	89	81	84	100	96	97	88	86	86	---	---	---
9	85	26	73	99	98	98	90	87	89	---	---	---
10	82	58	71	102	97	99	90	87	88	---	---	---
11	82	76	80	99	98	98	94	90	92	---	---	---
12	84	82	83	101	98	99	94	16	51	---	---	---
13	82	25	50	102	98	99	82	62	74	---	---	---
14	79	37	64	113	98	101	90	82	86	---	---	---
15	83	18	66	113	98	102	93	90	91	---	---	---
16	79	51	68	99	97	98	96	90	92	---	---	---
17	83	75	80	101	34	88	102	91	92	---	---	---
18	84	75	81	114	49	81	94	91	92	---	---	---
19	85	81	84	122	114	118	95	91	92	---	---	---
20	85	82	83	123	101	110	97	91	93	---	---	---
21	86	54	79	102	98	100	117	97	107	---	---	---
22	87	63	78	101	98	99	97	90	92	---	---	---
23	85	35	74	101	97	98	---	---	---	100	98	99
24	82	63	76	98	96	97	---	---	---	102	98	100
25	84	21	62	97	23	90	---	---	---	100	99	100
26	84	59	75	73	25	56	89	73	84	100	99	99
27	86	22	65	91	73	79	107	89	92	110	16	66
28	76	22	53	89	65	78	94	92	93	85	37	65
29	86	50	73	92	85	89	94	92	93	98	85	93
30	95	61	85	94	91	93	100	85	94	105	97	99
31	---	---	---	100	93	95	---	---	---	---	---	---
MONTH	98	18	75	178	23	93	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.4	15.1	16.3	17.7	14.7	16.1	11.7	8.8	10.1	10.7	7.4	9.1
2	17.3	14.3	15.5	17.8	14.9	16.2	10.9	8.4	9.8	12.5	9.4	11.0
3	16.4	13.5	14.9	17.8	14.8	16.2	9.7	9.0	9.4	14.6	11.8	13.2
4	17.9	14.4	16.1	18.6	16.5	17.6	9.7	7.7	8.2	15.3	13.1	14.2
5	18.9	15.5	17.1	22.5	18.2	19.6	9.9	8.5	9.2	16.2	11.6	14.6
6	19.8	17.1	18.1	20.8	19.5	20.2	9.7	8.4	9.0	11.6	6.9	9.1
7	19.7	18.3	18.9	19.8	17.5	18.8	9.5	7.2	8.4	6.9	4.8	5.8
8	19.4	18.2	18.8	17.5	16.0	16.6	10.1	7.3	8.7	7.4	5.3	6.3
9	19.2	18.3	18.7	16.0	13.6	15.0	11.6	8.5	10.1	8.0	5.8	7.2
10	19.6	18.3	18.7	14.0	12.0	13.1	12.5	9.7	11.5	7.9	6.4	7.3
11	18.4	17.9	18.1	15.2	12.2	13.8	9.7	8.4	9.0	7.8	5.5	6.6
12	20.0	17.8	18.6	17.3	14.0	15.6	9.9	7.5	8.7	9.0	5.9	7.4
13	20.2	17.6	18.8	16.7	10.8	13.6	9.7	7.1	8.3	10.6	8.2	9.3
14	21.3	17.2	19.3	11.8	9.5	10.7	8.7	5.0	7.5	11.3	8.2	9.9
15	17.4	15.1	16.3	13.2	10.4	11.7	9.9	7.6	8.7	11.2	8.7	10.2
16	16.7	13.6	15.1	15.2	11.8	13.5	11.7	8.0	9.7	10.1	7.3	8.7
17	16.5	13.9	15.2	17.9	15.0	16.7	12.3	7.9	9.0	10.6	7.9	8.9
18	16.7	14.1	15.4	19.0	16.2	17.3	9.1	7.1	8.1	11.3	7.8	10.2
19	16.8	13.8	15.3	18.7	14.9	17.1	8.9	7.2	8.1	10.4	6.4	8.5
20	17.6	14.5	16.0	14.9	13.1	14.1	7.2	6.0	6.5	7.6	5.0	6.3
21	18.4	15.1	16.8	15.0	12.4	13.7	7.6	5.2	6.4	8.3	5.7	6.9
22	17.9	15.9	16.9	15.0	12.3	13.6	9.3	6.0	7.6	9.0	6.4	7.6
23	17.1	14.6	15.9	15.4	12.7	14.0	12.8	7.8	9.7	8.3	5.7	7.0
24	16.8	14.6	15.7	15.9	11.0	14.0	11.3	8.1	10.3	10.5	6.2	8.1
25	17.2	14.8	16.0	11.2	9.1	10.3	8.1	6.6	7.5	11.3	4.6	7.8
26	18.2	16.4	17.2	12.4	9.5	11.0	9.0	6.5	7.7	7.5	5.8	6.8
27	18.0	15.1	17.0	14.2	12.0	12.7	9.5	6.7	8.0	9.1	6.3	7.7
28	15.1	13.7	14.5	15.2	10.2	13.3	10.0	7.2	8.6	6.8	4.4	5.7
29	15.8	13.7	14.7	10.2	8.7	9.3	13.1	8.7	10.2	8.0	4.8	6.4
30	16.6	13.4	15.0	10.4	7.8	9.1	13.1	9.0	10.4	9.8	6.8	8.2
31	17.3	14.4	15.8	---	---	---	10.1	7.3	8.7	8.6	5.9	7.3
MONTH	21.3	13.4	16.7	22.5	7.8	14.5	13.1	5.0	8.8	16.2	4.4	8.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.7	6.2	7.4	14.7	9.7	12.0	14.6	10.2	12.1	19.9	16.8	18.1
2	8.0	3.1	6.4	15.9	12.6	13.9	15.4	10.4	12.6	19.5	15.7	18.4
3	9.2	5.6	7.5	16.0	13.0	14.3	17.2	11.3	13.8	16.5	13.8	14.9
4	9.4	6.3	7.8	16.2	13.4	14.7	15.8	11.6	13.3	17.0	12.4	14.6
5	8.5	7.8	8.1	16.3	13.7	15.0	16.1	10.4	12.9	18.9	13.5	16.1
6	9.4	5.8	8.0	17.5	14.3	15.9	17.2	11.1	14.0	20.3	15.5	17.6
7	8.9	6.4	7.6	16.2	12.1	13.8	17.8	12.1	14.8	20.8	16.0	18.2
8	8.6	5.5	7.0	13.4	9.9	11.4	18.1	14.2	15.8	21.2	16.4	18.5
9	9.0	6.9	7.8	13.2	9.2	10.9	18.4	13.5	15.6	21.1	17.3	18.9
10	10.1	7.5	8.8	13.2	8.7	10.7	16.9	12.4	14.6	20.5	17.2	18.8
11	10.1	8.8	9.6	13.8	8.3	11.0	16.8	14.1	15.6	21.2	17.7	19.0
12	9.6	6.4	7.9	14.3	9.9	11.8	16.4	14.1	15.2	21.1	17.9	19.1
13	11.0	7.8	9.4	14.3	9.4	11.6	15.0	11.3	13.7	20.7	18.7	19.5
14	10.3	8.1	9.4	15.2	10.9	13.0	14.7	10.4	12.2	20.2	18.0	18.8
15	10.0	7.2	9.1	16.3	13.4	14.7	16.9	11.0	13.7	21.0	17.7	19.2
16	9.1	7.9	8.6	17.2	13.3	15.0	18.0	12.0	14.9	22.6	17.8	19.2
17	9.3	7.6	8.4	15.5	11.4	13.2	18.8	13.3	15.9	21.0	18.0	19.3
18	10.8	7.3	8.9	14.8	10.7	12.8	19.5	14.1	16.6	20.1	18.2	19.0
19	11.4	7.1	9.2	17.6	11.8	14.4	19.7	14.8	17.0	20.6	18.1	19.2
20	11.9	8.5	10.3	17.3	12.1	14.6	19.5	15.5	17.3	22.0	18.1	19.8
21	12.8	10.2	11.6	15.8	10.7	14.1	18.5	15.6	16.9	21.7	18.5	20.0
22	12.2	8.5	10.2	13.4	8.6	10.6	19.6	15.3	17.3	25.9	18.8	21.0
23	10.7	9.0	9.9	13.7	7.9	10.6	19.8	15.8	17.6	22.6	19.7	20.9
24	11.4	10.2	10.8	15.3	9.3	12.1	19.9	15.9	17.8	21.6	18.7	20.0
25	11.2	8.9	10.2	17.0	11.0	13.8	20.3	16.4	18.1	22.7	19.2	20.6
26	8.9	4.2	5.9	18.5	12.6	15.3	20.0	16.4	18.1	22.9	19.4	20.8
27	8.4	6.3	7.5	18.5	13.2	15.6	17.9	14.5	16.0	22.7	19.4	20.7
28	11.5	6.6	8.8	19.3	13.4	16.1	17.7	12.9	15.2	21.8	19.5	20.3
29	11.9	7.5	9.6	18.4	14.8	16.2	18.5	14.4	16.3	23.1	19.1	20.2
30	---	---	---	18.5	14.5	16.1	17.8	16.4	17.0	22.6	19.8	21.1
31	---	---	---	14.8	11.5	13.3	---	---	---	21.8	19.8	21.0
MONTH	12.8	3.1	8.7	19.3	7.9	13.5	20.3	10.2	15.4	25.9	12.4	19.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.2	18.8	19.5	23.9	21.5	22.4	25.9	22.0	23.4	23.2	21.6	22.2
2	20.8	18.1	19.3	24.1	21.7	22.7	27.1	22.3	23.9	22.8	21.3	21.8
3	21.1	18.1	19.4	24.6	21.6	22.6	26.2	22.2	23.8	22.7	20.8	21.5
4	22.0	18.8	20.0	27.4	21.4	23.6	26.3	22.2	23.5	22.7	20.4	21.4
5	20.9	17.9	19.3	25.5	22.4	23.7	26.2	21.9	23.6	23.1	20.7	21.5
6	21.3	18.5	19.8	25.9	21.7	23.0	24.3	21.4	22.8	22.2	20.6	21.4
7	20.9	18.9	19.8	25.3	21.0	22.7	23.1	19.6	21.0	23.9	21.3	22.8
8	21.0	19.2	19.8	25.5	21.2	22.9	23.3	18.8	20.6	22.9	21.3	22.1
9	25.0	19.3	20.7	24.7	21.4	22.5	22.9	19.1	20.7	---	---	---
10	22.8	20.7	21.6	25.6	21.5	23.0	21.5	20.0	20.6	---	---	---
11	23.3	20.1	21.5	26.5	21.8	23.4	23.4	19.6	21.1	---	---	---
12	24.1	20.4	21.9	26.4	21.9	23.3	23.4	20.8	22.1	---	---	---
13	25.7	21.4	23.6	26.9	22.1	23.7	22.4	19.2	20.4	---	---	---
14	23.4	21.4	22.5	26.7	21.7	23.5	22.2	18.1	19.9	---	---	---
15	25.5	20.7	22.3	25.6	21.5	22.9	23.2	19.7	20.9	---	---	---
16	24.4	21.7	22.6	24.6	20.4	22.0	23.4	20.4	21.3	---	---	---
17	23.8	20.8	22.0	26.3	21.3	23.1	23.7	20.3	21.6	---	---	---
18	24.2	20.8	22.1	25.3	22.4	23.4	23.9	20.3	21.7	---	---	---
19	24.2	20.9	22.2	24.8	21.1	22.6	23.4	20.3	21.6	---	---	---
20	23.5	20.5	21.6	24.1	20.6	22.0	23.2	20.9	21.8	---	---	---
21	24.8	20.6	21.9	24.6	20.7	22.2	22.6	21.5	21.9	---	---	---
22	25.2	20.8	22.4	24.9	21.0	22.6	23.2	21.4	22.0	---	---	---
23	25.6	20.9	22.3	26.4	21.7	23.4	---	---	---	20.9	17.2	18.9
24	22.8	21.0	21.8	26.0	22.0	23.4	---	---	---	21.4	18.5	19.7
25	26.7	20.5	22.9	25.1	22.2	23.2	---	---	---	21.2	18.7	19.8
26	23.3	21.1	21.9	24.6	22.6	23.4	23.9	21.5	22.3	20.7	18.3	19.4
27	24.8	20.5	22.3	23.2	22.0	22.5	23.9	21.1	22.3	21.1	19.1	19.9
28	24.3	21.7	22.8	25.2	22.4	23.4	24.1	21.4	22.5	21.1	19.8	20.3
29	23.4	21.4	22.1	24.4	21.9	22.7	23.4	21.7	22.3	20.7	18.9	19.6
30	23.8	21.1	22.0	25.1	22.0	23.1	24.2	21.5	22.6	20.4	17.8	19.0
31	---	---	---	26.0	22.1	23.2	23.8	21.4	22.3	---	---	---
MONTH	26.7	17.9	21.5	27.4	20.4	23.0	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18	<5.0	5.1	16	<5.0	8.2	19	5.1	16	---	---	---
2	20	<5.0	8.7	15	<5.0	7.5	16	<5.0	6.6	8.7	<5.0	<5.0
3	21	<5.0	10	25	7.9	14	16	<5.0	7.7	8.9	<5.0	6.2
4	14	<5.0	7.5	37	<5.0	15	189	5.3	21	6.3	<5.0	<5.0
5	18	<5.0	5.2	589	<5.0	7.0	20	<5.0	8.7	171	<5.0	20
6	557	<5.0	6.7	34	6.4	13	16	<5.0	10	17	<5.0	9.1
7	46	5.1	13	21	<5.0	6.3	6.9	<5.0	<5.0	9.3	<5.0	<5.0
8	338	5.3	39	11	<5.0	<5.0	12	<5.0	<5.0	15	<5.0	6.8
9	27	6.7	8.7	5.3	<5.0	<5.0	13	<5.0	5.4	69	<5.0	11
10	19	5.7	8.5	17	<5.0	<5.0	321	5.7	38	15	<5.0	6.2
11	9.3	<5.0	5.0	30	<5.0	<5.0	23	8.0	13	---	---	---
12	6.6	<5.0	<5.0	25	<5.0	<5.0	22	<5.0	8.2	---	---	---
13	14	<5.0	5.6	21	<5.0	<5.0	119	<5.0	6.4	43	<5.0	12
14	470	<5.0	9.5	21	<5.0	5.7	112	5.9	12	15	<5.0	<5.0
15	234	10	33	9.5	<5.0	<5.0	16	<5.0	5.7	45	<5.0	<5.0
16	23	6.0	12	12	<5.0	<5.0	76	<5.0	<5.0	20	<5.0	5.0
17	266	5.5	14	462	<5.0	16	85	<5.0	12	313	<5.0	<5.0
18	15	<5.0	5.9	408	<5.0	7.5	29	<5.0	<5.0	390	5.2	12
19	6.9	<5.0	<5.0	595	21	40	16	<5.0	<5.0	15	<5.0	<5.0
20	39	<5.0	10	40	11	17	7.5	<5.0	<5.0	8.4	<5.0	<5.0
21	16	<5.0	5.7	20	6.3	10	5.1	<5.0	<5.0	42	<5.0	8.9
22	32	<5.0	9.5	14	<5.0	6.6	29	<5.0	5.0	37	<5.0	23
23	18	5.1	9.7	13	<5.0	6.3	249	<5.0	9.0	61	23	42
24	26	<5.0	6.3	210	<5.0	14	45	<5.0	7.9	56	24	37
25	19	<5.0	8.3	17	<5.0	7.0	8.2	<5.0	<5.0	218	26	49
26	1240	<5.0	97	14	<5.0	<5.0	---	---	---	36	6.0	14
27	114	11	32	161	<5.0	<5.0	---	---	---	17	<5.0	5.2
28	19	5.2	11	23	5.9	12	---	---	---	19	<5.0	<5.0
29	30	5.3	11	38	7.3	30	---	---	---	19	<5.0	6.1
30	28	<5.0	9.9	64	15	25	214	<5.0	13	134	17	89
31	27	<5.0	6.7	---	---	---	11	<5.0	<5.0	136	33	81
MAX	1240	11	97	595	21	40	---	---	---	---	---	---
MIN	6.6	5.0	5.0	5.3	5.0	5.0	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	101	28	46	17	<5.0	5.3	30	<5.0	6.8	456	<5.0	15
2	443	23	58	---	---	---	31	<5.0	14	417	5.4	19
3	56	5.7	25	---	---	---	---	---	---	12	<5.0	<5.0
4	19	<5.0	7.0	---	---	---	---	---	---	22	<5.0	<5.0
5	19	<5.0	6.8	---	---	---	---	---	---	---	---	---
6	520	6.8	26	776	<5.0	7.9	---	---	---	---	---	---
7	15	<5.0	5.8	5.7	<5.0	<5.0	19	<5.0	<5.0	---	---	---
8	8.6	<5.0	<5.0	---	---	---	58	<5.0	<5.0	11	<5.0	<5.0
9	16	<5.0	<5.0	---	---	---	7.6	<5.0	<5.0	5.5	<5.0	<5.0
10	30	<5.0	<5.0	---	---	---	9.3	<5.0	6.4	29	<5.0	<5.0
11	87	<5.0	<5.0	10	<5.0	7.8	527	<5.0	9.0	17	<5.0	<5.0
12	169	8.3	34	---	---	---	463	<5.0	<5.0	751	<5.0	5.7
13	13	<5.0	6.7	---	---	---	125	6.9	24	30	<5.0	5.7
14	105	<5.0	26	---	---	---	7.9	<5.0	<5.0	11	<5.0	<5.0
15	247	5.3	22	---	---	---	11	<5.0	<5.0	<5.0	<5.0	<5.0
16	26	<5.0	8.9	130	<5.0	13	15	<5.0	5.6	72	<5.0	<5.0
17	22	<5.0	5.2	18	<5.0	<5.0	---	---	---	17	<5.0	<5.0
18	19	<5.0	<5.0	23	<5.0	<5.0	---	---	---	37	<5.0	11
19	13	<5.0	<5.0	20	<5.0	<5.0	17	<5.0	13	20	7.9	9.0
20	22	<5.0	<5.0	6.1	<5.0	<5.0	12	<5.0	<5.0	26	8.8	13
21	103	<5.0	<5.0	48	<5.0	<5.0	10	<5.0	<5.0	49	11	18
22	<5.0	<5.0	<5.0	20	<5.0	<5.0	12	<5.0	<5.0	682	16	33
23	13	<5.0	<5.0	20	<5.0	<5.0	11	<5.0	<5.0	29	<5.0	6.6
24	21	<5.0	<5.0	29	<5.0	<5.0	17	<5.0	<5.0	17	<5.0	<5.0
25	153	<5.0	29	64	<5.0	6.3	8.8	<5.0	<5.0	16	<5.0	<5.0
26	77	11	34	18	5.3	6.7	338	<5.0	17	15	<5.0	<5.0
27	17	<5.0	7.9	17	5.9	7.5	20	<5.0	5.0	14	<5.0	<5.0
28	10	<5.0	<5.0	11	7.0	8.5	19	<5.0	<5.0	10	<5.0	<5.0
29	<5.0	<5.0	<5.0	28	9.3	19	24	<5.0	<5.0	401	<5.0	<5.0
30	---	---	---	1310	6.3	22	17	<5.0	<5.0	23	<5.0	<5.0
31	---	---	---	141	5.0	9.9	---	---	---	401	<5.0	12
MAX	520	28	58	---	---	---	---	---	---	---	---	---
MIN	5.0	5.0	5.0	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.5	<5.0	<5.0	2100	40	68	15	5.7	7.2	---	---	---
2	8.8	<5.0	<5.0	>2200	55	98	1320	6.1	7.9	---	---	---
3	12	<5.0	<5.0	89	36	51	45	6.3	12	---	---	---
4	15	<5.0	<5.0	2150	30	40	62	6.0	8.0	---	---	---
5	11	<5.0	<5.0	138	16	28	1940	<5.0	8.3	---	---	---
6	<5.0	<5.0	<5.0	51	17	25	81	13	24	---	---	---
7	77	<5.0	9.3	55	16	24	53	10	13	---	---	---
8	30	<5.0	8.0	37	14	21	85	7.0	10	702	18	38
9	433	<5.0	<5.0	26	12	14	60	18	28	---	---	---
10	42	<5.0	6.2	45	13	15	68	11	20	---	---	---
11	18	<5.0	<5.0	21	10	13	51	10	13	---	---	---
12	25	<5.0	<5.0	35	9.5	13	>2200	9.5	172	---	---	---
13	414	<5.0	60	39	9.8	12	106	45	69	---	---	---
14	120	<5.0	18	605	9.8	16	107	37	60	---	---	---
15	>2200	<5.0	10	47	13	18	81	22	49	---	---	---
16	129	7.6	31	28	9.1	15	96	9.5	32	---	---	---
17	663	8.0	15	>2200	11	36	40	7.9	11	---	---	---
18	302	7.0	10	539	12	21	69	7.7	10	---	---	---
19	20	<5.0	6.7	32	9.2	13	80	<5.0	9.3	---	---	---
20	17	<5.0	5.4	29	9.5	13	26	<5.0	<5.0	---	---	---
21	1140	<5.0	11	30	5.3	8.0	---	---	---	---	---	---
22	359	5.7	10	40	5.9	8.0	---	---	---	---	---	---
23	>2200	<5.0	7.2	77	6.5	11	---	---	---	50	6.6	10
24	70	5.7	12	26	5.7	7.5	---	---	---	58	6.0	8.3
25	>2200	7.0	152	2170	<5.0	7.5	---	---	---	26	5.2	6.4
26	533	47	90	646	18	72	52	15	24	15	5.2	6.4
27	>2200	25	41	423	9.8	17	126	13	18	414	6.2	97
28	>2200	99	305	459	9.9	21	45	10	14	55	8.4	22
29	240	53	101	42	10	17	23	<5.0	8.2	40	5.9	8.4
30	1910	38	95	34	6.6	9.2	>2200	<5.0	7.3	36	<5.0	5.9
31	---	---	---	47	6.8	13	---	---	---	---	---	---
MAX	2200	99	305	2200	55	98	---	---	---	---	---	---
MIN	5.0	5.0	5.0	21	5.0	7.5	---	---	---	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA

LOCATION.—Lat 33°54'20", long 84°13'30", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, at downstream side of bridge on Graves Road, 0.3 miles East of I-85 North.

DRAINAGE AREA.—1.42 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 19, 1976 to current year.

REMARKS.— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrctd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)
OCT													
20...	1445	--	9	81213	.77	1.56	--	7.6	--	--	51	--	--
OCT													
26-26	0830	0840	J	81213	22	2.15	--	300	--	--	1200	--	--
DEC													
09...	1340	--	9	81213	.71	1.61	--	11	--	--	--	--	--
FEB													
06-06	0818	0822	J	81213	64	2.47	--	--	--	--	E180	--	--
MAR													
02...	1345	--	9	81213	1.7	1.65	--	6.2	--	--	160	--	--
24...	1020	--	9	81213	2.5	1.70	--	14	--	--	120	--	--
MAR													
30-30	0700	0710	J	81213	64	2.47	--	140	--	--	5100	--	--
APR													
26-26	0820	0825	J	81213	19	2.11	--	65	--	--	3700	--	--
MAY													
25...	1330	--	9	81213	1.1	1.60	--	7.3	--	--	380	--	--
JUN													
21-21	1350	1355	J	81213	34	2.27	--	310	--	--	19000	--	--
JUL													
12...	1140	--	9	81213	.90	1.57	--	18	.5	<5	14000	9.90	32
JUL													
25-25	2230	2240	J	80855	993	7.94	490	760	7.4	E13	10000	--	--
AUG													
05-05	1550	1930	J	80855	--	--	340	550	6.9	E17	9900	2.90	23

02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA —continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Loss on ig-nition, from ROE, wat unf mg/L (00505)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite nitrate water unfltrd mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)
OCT 20...	--	--	--	69	6	3	.45	.470	A.062	<.20	<.02	.03	--
OCT 26-26	--	--	--	44	281	45	1.00	1.00	.600	1.5	.05	.15	--
DEC 09...	--	--	--	58	4	1	.41	.410	A.083	<.20	.02	.07	--
FEB 06-06	--	--	--	32	90	18	.76	.780	A.438	.70	.03	.11	--
MAR 02...	--	--	--	58	3	2	.28	.400	A.042	<.20	.07	.16	--
MAR 24...	--	--	--	66	<1	<1	.35	.360	A.040	<.20	.10	.18	--
MAR 30-30	--	--	--	38	169	E39	.61	.660	.366	1.8	.07	.44	--
APR 26-26	--	--	--	57	70	21	.73	.740	.500	1.8	.14	.46	--
MAY 25...	--	--	--	65	5	1	.27	.360	A.070	.20	.09	.19	--
JUN 21-21	--	--	--	49	361	54	.62	.620	A.284	1.2	.11	.54	--
JUL 12...	1.80	--	--	70	13	1	.47	.470	A.089	<.20	<.02	.03	<.5
JUL 25-25	--	--	38	100	870	180	.360	.310	.380	1.4	E.021	.120	--
AUG 05-05	.40	2.9	120	54	610	41	.440	.430	.260	.90	E.020	.180	<5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Organic carbon, water, unfltrd mg/L (00680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT 20...	--	--	--	--	--	1.3	--	6
OCT 26-26	--	--	--	--	--	9.1	--	--
DEC 09...	--	--	--	--	--	1.1	--	4
FEB 06-06	--	--	--	--	--	2.2	64	135
MAR 02...	--	--	--	--	--	.9	--	4
MAR 24...	--	--	--	--	--	.9	--	11
MAR 30-30	--	--	--	--	--	4.8	34	207
APR 26-26	--	--	--	--	--	11.0	38	69
MAY 25...	--	--	--	--	--	1.4	--	6
JUN 21-21	--	--	--	--	--	4.7	69	424
JUL 12...	<1	<2	<2	511	15	2.6	--	20
JUL 25-25	--	--	--	--	--	--	40	1980
AUG 05-05	12	20	M	1000	170	--	53	1150

02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA —continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Hydro-logic event	Location in X-sect. looking dwnstrm ft from l bank (00009)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
20...	1449	9	7.20	.77	1.56	100	9.5	6.7	97	17.5	--	--	--
20...	1450	9	4.70	.77	1.56	99	9.5	6.7	97	17.5	--	--	--
20...	1451	9	2.20	.77	1.56	99	9.5	6.7	97	17.5	--	--	--
26...	0829	J	9.00	22	2.16	98	9.2	6.0	67	17.4	410	76	316
26...	0831	J	5.00	22	2.16	98	9.2	6.0	67	17.4	430	79	330
26...	0832	J	1.00	22	2.16	98	9.2	6.0	67	17.4	420	79	329
DEC													
09...	1344	9	7.50	.71	1.61	124	13.4	7.1	89	11.0	17	--	5
09...	1345	9	4.50	.71	1.61	123	13.2	7.1	89	11.0	17	--	6
09...	1346	9	1.50	.71	1.61	122	13.2	7.1	89	11.0	25	--	7
FEB													
06...	0823	J	11.0	73	2.52	108	13.5	6.7	46	5.9	120	61	95
06...	0824	J	7.00	73	2.52	108	13.3	6.7	47	5.9	120	58	126
06...	0825	J	3.00	73	2.52	106	13.2	6.7	47	5.9	120	57	122
MAR													
02...	1353	9	7.50	1.7	1.65	121	11.9	7.1	83	15.2	8.3	--	--
02...	1354	9	5.00	1.7	1.65	120	11.8	7.1	83	15.2	7.4	--	--
02...	1355	9	2.50	1.7	1.65	119	11.7	7.1	83	15.2	7.2	--	--
24...	1024	9	4.00	2.5	1.70	123	13.6	7.2	82	11.0	9.8	--	--
24...	1025	9	3.00	2.5	1.70	123	13.6	7.2	79	11.0	18	--	--
24...	1026	9	2.00	2.5	1.70	123	13.7	7.2	82	11.0	24	--	--
30...	0710	J	2.00	51	2.39	98	9.7	6.7	43	14.7	170	67	139
30...	0711	J	4.00	51	2.39	98	9.6	6.7	43	14.7	170	59	157
30...	0712	J	6.00	51	2.39	98	9.6	6.7	43	14.7	160	74	154
APR													
26...	0826	J	7.00	18	2.10	93	8.6	6.8	71	18.6	83	27	111
26...	0828	J	5.00	18	2.10	92	8.7	6.8	71	18.6	77	63	112
26...	0830	J	3.00	18	2.10	92	8.6	6.8	71	18.6	97	73	132
MAY													
25...	1334	9	1.00	1.1	1.60	96	8.4	6.5	77	21.9	8.3	--	--
25...	1335	9	3.00	1.1	1.60	96	8.4	6.5	77	21.9	7.3	--	--
25...	1336	9	5.00	1.1	1.60	96	8.4	6.5	77	21.9	11	--	--
JUN													
21...	1400	J	7.00	30	2.23	101	8.6	6.8	62	23.5	310	73	371
21...	1401	J	5.00	30	2.23	100	8.5	6.8	61	23.5	330	75	386
21...	1402	J	3.00	30	2.23	99	8.4	6.8	61	23.5	330	73	386
JUL													
12...	1154	9	5.50	.90	1.57	103	8.3	7.2	92	24.7	17	--	--
12...	1155	9	3.50	.90	1.57	103	8.3	7.2	92	24.7	20	--	--
12...	1156	9	1.50	.90	1.57	103	8.3	7.2	92	24.7	18	--	--
25...	2250	J	5.00	715	6.06	96	8.0	6.3	25	23.3	950	--	--
25...	2251	J	10.0	715	6.06	96	8.0	6.3	23	23.3	1500	--	--
25...	2252	J	15.0	715	6.06	96	8.0	6.3	25	23.3	620	--	--
AUG													
05...	1608	J	6.00	276	3.57	98	7.7	6.7	36	25.8	800	--	--
05...	1609	J	12.0	276	3.57	98	7.7	6.7	36	25.9	780	--	--
05...	1610	J	18.0	276	3.57	98	7.7	6.7	36	26.0	770	--	--

Remark codes used in this table:
< -- Less than
A -- Average value
E -- Estimated value
M -- Presence verified, not quantified

2004 Water Year

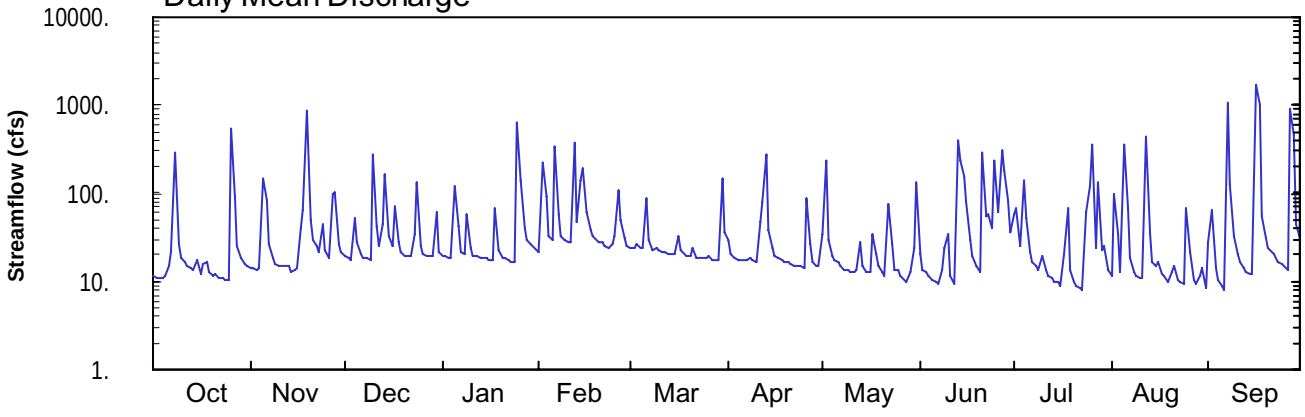
APALACHICOLA RIVER BASIN

02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA

Latitude: 33°49'53" Longitude: 084°20'34" Hydrologic Unit Code: 03130001

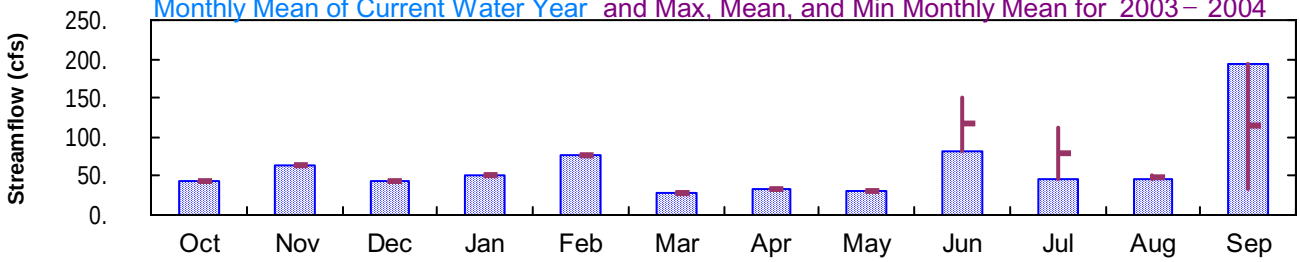
De kalb County Datum: 809.57 feet Drainage Area: 34.8 mi²

Daily Mean Discharge

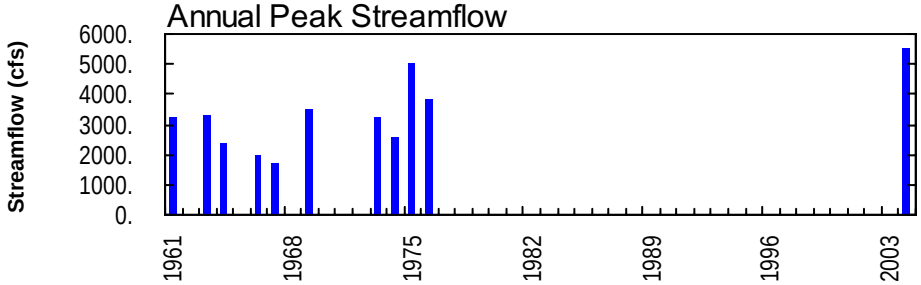


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 and 2004 Water Years

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, AT ATLANTA, GA

LOCATION.—Lat 33°49'53", long 84°20'34", referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, DeKalb County, downstream side of bridge on GA 13, 4.1 miles south of the junction of US 23 and GA 155, 2.1 miles north of the confluence of the Peachtree Creek.

DRAINAGE AREA.—34.8 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 10, 2003 to current year

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 809.57 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 10, 2003 to current year

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 809.57 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.70 feet, September 16; minimum gage-height recorded, 3.66 feet, July 23, 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 10, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80* DATUM 809.57 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	15	20	19	22	24	30	35	21	57	12	28
2	11	14	18	19	221	24	20	235	14	69	98	63
3	11	14	18	19	94	27	19	29	13	25	34	14
4	11	14	51	18	32	23	18	19	11	143	13	10
5	11	148	28	121	30	24	17	18	10	53	360	8.8
6	15	85	20	42	333	86	17	17	9.7	21	69	7.8
7	22	27	18	21	59	30	17	15	9.3	17	18	1070
8	298	18	18	20	33	23	18	14	13	15	13	130
9	26	16	18	57	29	24	17	13	24	13	12	32
10	18	15	273	24	28	23	17	13	35	19	11	21
11	17	15	42	20	27	21	48	13	11	13	11	16
12	15	15	25	19	371	21	80	13	9.6	12	442	14
13	15	15	46	19	48	20	281	27	389	11	34	13
14	14	13	163	19	143	21	39	15	230	10	17	12
15	18	13	32	19	193	20	24	13	155	9.7	15	12
16	12	14	25	18	62	33	20	13	78	9.0	17	1710
17	15	41	70	18	38	22	18	34	29	20	12	998
18	16	65	29	69	33	20	18	20	20	67	12	54
19	13	864	22	22	30	20	17	15	15	13	10	31
20	12	50	20	18	28	19	16	13	13	10	13	24
21	12	29	19	18	29	24	16	11	295	9.0	15	22
22	11	25	19	18	25	19	15	74	55	8.3	11	20
23	11	22	34	17	24	18	15	27	57	7.8	9.9	17
24	10	45	131	17	26	18	15	14	40	61	9.4	16
25	10	23	26	640	33	18	15	13	233	117	67	15
26	532	19	21	138	106	20	87	12	61	364	21	14
27	93	99	20	40	51	18	27	11	304	24	11	932
28	25	103	19	30	31	18	17	9.8	182	133	9.2	472
29	19	26	19	26	25	18	15	13	85	22	11	44
30	16	21	60	25	---	148	15	24	37	25	14	31
31	15	---	21	23	---	36	---	130	---	13	8.6	---
TOTAL	1336	1883	1345	1593	2204	880	988	922.8	2458.6	1390.8	1410.1	5851.6
MEAN	43.1	62.8	43.4	51.4	76.0	28.4	32.9	29.8	82.0	44.9	45.5	195
MAX	532	864	273	640	371	148	281	235	389	364	442	1710
MIN	10	13	18	17	22	18	15	9.8	9.3	7.8	8.6	7.8
MED	15	21	22	20	33	21	18	15	32	19	13	21
AC-FT	2650	3730	2670	3160	4370	1750	1960	1830	4880	2760	2800	11610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	43.1	62.8	43.4	51.4	76.0	28.4	32.9	29.8	117	78.9	48.0	114
MAX	43.1	62.8	43.4	51.4	76.0	28.4	32.9	29.8	152	113	50.6	195
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2003	2003	2003	2004
MIN	43.1	62.8	43.4	51.4	76.0	28.4	32.9	29.8	82.0	44.9	45.5	32.1
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	22262.9			
ANNUAL MEAN	60.8		60.8	
HIGHEST ANNUAL MEAN			60.8	2004
LOWEST ANNUAL MEAN			60.8	2004
HIGHEST DAILY MEAN	1710	Sep 16	1710	Sep 16 2004
LOWEST DAILY MEAN	7.8	Jul 23 a	7.8	Jul 23 2004
ANNUAL SEVEN-DAY MINIMUM	11	Oct 19	11	Sep 7 2003
MAXIMUM PEAK FLOW	5530	Sep 16	5530	Sep 16 2004
MAXIMUM PEAK STAGE	17.70	Sep 16	17.70	Sep 16 2004
ANNUAL RUNOFF (AC-FT)	44160		44070	
10 PERCENT EXCEEDS	124		124	
50 PERCENT EXCEEDS	20		20	
90 PERCENT EXCEEDS	11		11	

a Also Sep 6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80* DATUM 809.57 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.86	3.95	4.10	4.08	4.14	4.21	4.30	4.30	4.11	4.67	3.85	4.20
2	3.83	3.93	4.06	4.09	5.24	4.20	4.11	5.78	3.93	4.80	4.53	4.65
3	3.82	3.92	4.05	4.07	5.01	4.25	4.08	4.29	3.89	4.21	4.32	3.94
4	3.83	3.93	4.61	4.06	4.35	4.19	4.05	4.09	3.85	4.86	3.89	3.80
5	3.84	4.82	4.27	4.96	4.31	4.19	4.03	4.04	3.80	4.61	5.42	3.73
6	3.92	4.88	4.10	4.48	5.98	4.90	4.02	4.01	3.78	4.13	4.75	3.68
7	4.14	4.25	4.06	4.13	4.72	4.31	4.03	3.96	3.76	4.02	4.05	8.61
8	5.88	4.06	4.06	4.10	4.37	4.18	4.05	3.92	3.90	3.95	3.90	5.25
9	4.23	4.00	4.04	4.67	4.29	4.19	4.03	3.91	3.96	3.92	3.85	4.35
10	4.05	3.97	5.83	4.19	4.28	4.17	4.01	3.89	4.31	4.04	3.84	4.13
11	4.01	3.97	4.49	4.10	4.26	4.14	4.53	3.89	3.85	3.91	3.84	4.01
12	3.96	3.96	4.22	4.08	6.28	4.13	4.48	3.90	3.76	3.85	6.31	3.94
13	3.95	3.96	4.44	4.07	4.60	4.12	5.97	4.24	6.46	3.83	4.36	3.90
14	3.92	3.90	5.42	4.07	5.37	4.12	4.46	3.97	5.53	3.79	4.02	3.88
15	4.02	3.91	4.34	4.07	5.59	4.11	4.19	3.90	5.06	3.77	3.95	3.87
16	3.87	3.93	4.22	4.04	4.76	4.35	4.10	3.89	4.90	3.74	4.00	8.72
17	3.96	4.46	4.82	4.05	4.46	4.16	4.06	4.20	4.29	3.98	3.87	7.89
18	4.00	4.44	4.28	4.81	4.37	4.11	4.04	4.09	4.09	4.67	3.85	4.67
19	3.88	7.82	4.14	4.15	4.31	4.10	4.01	3.95	3.97	3.90	3.79	4.33
20	3.86	4.61	4.10	4.06	4.28	4.08	4.01	3.88	3.88	3.79	3.86	4.19
21	3.86	4.29	4.09	4.05	4.29	4.20	3.99	3.85	5.43	3.74	3.97	4.14
22	3.83	4.21	4.09	4.05	4.22	4.07	3.97	4.39	4.67	3.71	3.81	4.11
23	3.83	4.15	4.25	4.02	4.20	4.06	3.97	4.23	4.60	3.68	3.79	4.01
24	3.81	4.51	5.16	4.02	4.24	4.06	3.95	3.93	4.43	4.19	3.76	3.98
25	3.80	4.17	4.23	7.19	4.35	4.06	3.95	3.91	5.46	4.42	4.51	3.96
26	6.56	4.07	4.13	5.30	5.18	4.09	4.86	3.85	4.69	6.04	4.10	3.92
27	4.95	4.74	4.10	4.49	4.63	4.04	4.24	3.82	5.55	4.18	3.81	7.15
28	4.20	5.07	4.08	4.31	4.32	4.04	4.02	3.78	5.58	5.06	3.75	6.49
29	4.07	4.24	4.08	4.24	4.23	4.04	3.97	3.84	4.87	4.14	3.82	4.54
30	3.99	4.13	4.69	4.21	---	5.30	3.96	4.15	4.40	4.19	3.92	4.32
31	3.96	---	4.14	4.17	---	4.41	---	5.02	---	3.91	3.72	---
MEAN	4.12	4.34	4.34	4.33	4.64	4.21	4.18	4.09	4.49	4.18	4.10	4.75
MAX	6.56	7.82	5.83	7.19	6.28	5.30	5.97	5.78	6.46	6.04	6.31	8.72
MIN	3.80	3.90	4.04	4.02	4.14	4.04	3.95	3.78	3.76	3.68	3.72	3.68

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80* DATUM 809.57 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.53	0.00	0.56
2	0.00	0.00	0.00	0.00	0.76	0.02	0.00	0.26	0.00	0.35	0.02	---
3	0.00	0.00	0.03	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	---
4	0.00	0.02	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	---
5	0.00	0.57	0.01	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.62	---
6	0.21	0.17	0.00	0.00	0.86	0.35	0.00	0.00	0.00	0.03	0.00	---
7	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.00	---
8	1.24	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	---
9	0.00	0.00	0.00	0.26	0.00	0.07	0.00	0.02	0.00	0.00	0.00	---
10	0.00	0.00	0.94	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.19	0.01	0.31	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.94	0.00	---	0.05	0.12	0.00	1.31	0.00
13	0.00	0.00	0.41	0.00	0.00	0.00	---	0.01	1.30	0.00	0.00	0.00
14	0.03	0.00	0.24	0.00	0.44	0.00	---	0.00	0.03	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.62	0.00	0.01	0.02
16	0.00	0.00	0.17	0.00	0.00	0.11	0.00	0.04	0.26	0.00	0.00	6.34
17	0.18	0.22	0.11	0.28	0.00	0.00	0.00	0.15	0.00	0.32	0.00	0.15
18	0.00	0.98	0.00	0.07	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
19	0.00	1.51	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
21	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	1.35	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.01	0.00
23	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00
24	0.00	0.27	0.01	0.00	0.06	0.00	0.00	0.00	0.04	1.89	0.01	0.00
25	0.00	0.00	0.00	2.10	---	0.00	0.00	0.00	0.72	1.82	1.12	0.00
26	1.68	0.00	0.00	0.01	---	0.00	0.63	0.00	0.01	0.10	0.02	0.00
27	0.01	0.77	0.00	0.00	---	0.00	0.00	0.00	0.99	0.32	0.00	4.60
28	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.09	0.29	---	0.00	0.00
29	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.01	0.00	---	0.08	0.01
30	0.00	0.00	0.17	0.00	---	0.86	0.03	0.00	0.46	0.00	0.01	0.00
31	0.00	---	0.00	0.00	---	0.04	---	0.70	---	0.00	0.00	---
TOTAL	3.41	4.59	3.00	3.27	---	1.52	---	2.32	6.98	---	3.39	---

APALACHICOLA RIVER BASIN
2004 Water Year

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, NEAR ATLANTA, GA

LOCATION.—Lat. 33°49'53", long. 84°20'34", referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit 03130001, downstream side bridge on GA 13 (Buford Highway), 4.1 miles south of the junction of US 23, and GA 155, 2.1 miles north of the confluence of the South Fork of Peachtree Creek.

DRAINAGE AREA.—34.8 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—February 1976 to August 1977; June 27, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 27, 2003 to current year.
pH: June 27, 2003 to current year.
WATER TEMPERATURE: June 27, 2003 to current year.
DISSOLVED OXYGEN: June 27, 2003 to current year.
TURBIDITY: June 27, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity which is fair and dissolved oxygen which is poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 297 microsiemens, June 23, 2004; minimum recorded, 27 microsiemens, September 16, 2004.
pH: Maximum recorded, 7.6 units, August 25-27, September 9, 2003; minimum recorded, 6.0 units, September 16, 17, 2004.
WATER TEMPERATURE: Maximum recorded, 28.9°C, July 14, 2004; minimum recorded, 2.4°C, January 29, 2004.
DISSOLVED OXYGEN: Maximum recorded, 12.9 mg/L, December 21, 22, 2004; minimum recorded, 3.4 mg/L, April 12, 2004.
TURBIDITY: Maximum recorded, >2,200 NTU, September 22, 2003; minimum recorded, <5.0 NTU, on many days.

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, NEAR ATLANTA, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 297 microsiemens, June 23; minimum recorded, 27 microsiemens, September 16.

pH: Maximum recorded, 7.5 units, on many days; minimum recorded, 6.0 units, September 16, 17.

WATER TEMPERATURE: Maximum recorded, 28.9°C, July 14; minimum recorded, 2.4°C, January 29.

DISSOLVED OXYGEN: Maximum recorded, 12.9 mg/L, December 21, 22; minimum recorded, 3.4 mg/L, April 12.

TURBIDITY: Maximum recorded, 1,700 NTU, September 16; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	128	88	101	137	133	135	128	118	124	124	115	119
2	121	90	106	138	136	137	132	128	131	126	119	123
3	96	77	86	140	128	136	134	132	133	126	105	119
4	90	72	81	143	138	139	135	105	117	127	122	125
5	73	61	67	139	49	117	112	103	106	129	64	106
6	65	58	62	91	50	70	124	112	118	96	64	80
7	72	62	68	114	91	103	132	124	130	116	96	107
8	72	37	56	125	114	120	137	132	135	127	116	122
9	95	67	82	137	125	132	138	137	138	127	93	105
10	113	95	105	140	135	137	138	49	79	111	95	102
11	124	113	120	145	139	141	98	63	83	124	111	118
12	130	124	127	147	143	145	116	98	108	132	124	128
13	149	130	134	148	139	143	122	88	113	137	132	134
14	137	131	133	149	143	146	99	58	69	136	134	135
15	137	131	134	149	145	147	108	81	95	137	133	134
16	139	133	136	146	142	144	121	102	114	137	135	136
17	138	111	134	148	108	126	117	84	97	138	105	137
18	143	128	136	123	71	112	106	94	98	126	80	97
19	139	135	136	74	34	56	122	106	115	112	94	103
20	139	137	138	100	73	87	131	122	126	120	112	117
21	138	135	136	121	100	110	134	131	133	121	117	119
22	139	137	138	130	121	126	136	134	135	126	119	122
23	139	134	137	129	122	125	136	85	131	128	124	126
24	136	131	134	148	102	121	98	63	74	131	128	130
25	138	134	136	114	110	111	109	83	97	131	44	69
26	138	43	85	127	114	121	124	109	117	93	51	71
27	84	46	68	129	72	112	129	124	127	117	92	104
28	106	84	96	86	51	71	133	129	131	127	117	121
29	122	106	115	109	86	99	136	130	135	140	127	130
30	130	122	126	118	109	114	130	75	94	135	130	132
31	133	130	132	---	---	---	115	98	105	138	134	136
MONTH	149	37	111	149	34	119	138	49	113	140	44	116

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	138	134	135	132	128	131	118	106	109	135	37	124
2	146	53	113	138	130	133	129	113	122	72	47	58
3	93	53	73	146	135	138	133	129	131	96	72	85
4	116	93	105	138	137	137	137	132	134	110	96	103
5	128	116	122	139	136	138	141	137	139	126	110	116
6	131	49	83	141	88	108	143	138	140	123	118	120
7	105	64	86	116	92	105	141	139	140	129	123	125
8	122	105	114	129	116	124	144	139	140	133	128	130
9	128	122	126	137	128	132	149	141	144	134	131	132
10	155	128	139	137	128	134	142	140	141	136	132	134
11	138	105	133	138	136	137	142	82	116	137	135	136
12	108	41	64	140	137	139	118	43	104	140	136	137
13	101	71	87	141	139	140	73	46	58	148	119	127
14	106	67	79	142	138	140	107	73	89	133	126	130
15	78	53	65	142	138	140	118	107	112	135	129	131
16	90	58	75	154	133	139	127	118	121	139	134	135
17	106	90	98	134	131	132	132	126	128	141	80	131
18	119	106	112	136	133	134	136	128	131	115	89	101
19	127	119	123	138	135	137	138	134	135	136	115	127
20	132	127	129	139	138	138	157	138	140	142	136	139
21	134	130	132	144	137	139	145	139	140	145	142	144
22	140	132	136	139	137	138	146	138	140	145	63	126
23	144	140	143	142	138	140	141	139	140	110	72	94
24	146	137	142	141	137	139	141	137	140	128	110	120
25	141	124	134	141	137	139	142	138	140	137	128	132
26	161	99	122	141	136	139	142	76	104	144	137	141
27	141	116	125	146	138	142	99	77	88	147	144	145
28	121	116	119	159	146	153	119	99	109	156	146	149
29	128	121	125	159	153	156	127	119	122	154	149	152
30	---	---	---	163	73	94	142	127	129	167	127	132
31	---	---	---	118	85	100	---	---	---	132	59	87
MONTH	161	41	112	163	73	133	157	43	124	167	37	124

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	104	73	89	108	46	91	---	---	---	144	77	121
2	119	103	111	98	66	84	---	---	---	132	55	96
3	126	119	123	106	81	97	---	---	---	136	113	124
4	132	125	128	117	47	96	---	---	---	161	134	147
5	137	132	134	89	51	72	---	---	---	161	---	---
6	138	135	136	114	89	100	---	---	---	---	---	---
7	145	137	138	124	114	119	---	---	---	56	33	44
8	151	133	138	131	124	127	---	---	---	98	54	77
9	143	97	134	134	131	132	---	---	---	126	95	109
10	118	63	90	135	94	128	130	126	127	134	121	128
11	130	106	119	134	94	122	133	124	130	133	128	131
12	143	129	134	140	134	136	131	35	64	149	123	140
13	134	40	70	145	139	141	87	60	75	153	142	150
14	84	43	64	147	141	144	106	87	97	150	140	147
15	103	48	82	154	145	147	118	106	113	149	142	147
16	90	53	67	153	143	147	149	92	119	147	27	101
17	109	81	99	164	105	144	125	116	120	---	---	---
18	127	109	116	139	59	84	147	116	126	---	---	---
19	132	127	130	106	81	91	165	135	148	---	---	---
20	139	132	134	125	88	105	163	115	142	---	---	---
21	141	41	100	133	100	114	148	117	132	---	---	---
22	102	66	84	148	110	127	150	130	136	---	---	---
23	297	80	105	147	136	142	157	133	143	---	---	---
24	103	69	87	146	48	123	174	139	155	---	---	---
25	111	47	80	126	33	99	154	55	117	---	---	---
26	95	60	77	---	---	---	110	76	94	---	---	---
27	113	43	86	---	---	---	120	110	115	---	---	---
28	73	45	62	---	---	---	129	120	123	89	33	64
29	84	57	70	---	---	---	134	128	130	120	88	105
30	103	84	94	---	---	---	152	126	131	138	120	131
31	---	---	---	---	---	---	132	126	128	---	---	---
MONTH	297	40	103	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.2	7.1	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.0	7.0	7.0
2	7.3	7.2	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.0	7.1
3	7.3	7.2	7.2	7.3	7.2	7.2	7.2	7.0	7.2	7.2	7.1	7.1
4	7.3	7.2	7.2	7.2	7.2	7.2	7.0	7.0	7.0	7.1	7.1	7.1
5	7.3	7.2	7.2	7.3	6.6	7.2	7.0	6.9	6.9	7.1	6.8	7.0
6	7.3	6.9	7.2	7.0	6.6	6.9	7.0	6.9	6.9	7.0	6.8	6.9
7	7.1	6.9	7.0	7.1	7.0	7.1	7.1	7.0	7.0	7.1	7.0	7.1
8	7.1	6.6	6.8	7.2	7.1	7.1	7.1	7.0	7.0	7.2	7.1	7.1
9	7.0	6.9	7.0	7.2	7.1	7.2	7.1	7.0	7.1	7.1	7.0	7.0
10	7.2	7.0	7.1	7.2	7.2	7.2	7.1	6.6	6.8	7.0	7.0	7.0
11	7.2	7.2	7.2	7.3	7.2	7.2	6.9	6.7	6.9	7.1	7.0	7.1
12	7.3	7.2	7.2	7.3	7.2	7.2	7.0	6.9	7.0	7.2	7.1	7.1
13	7.3	7.2	7.2	7.3	7.2	7.2	7.1	6.9	7.0	7.2	7.1	7.1
14	7.3	7.2	7.2	7.3	7.2	7.2	7.0	6.7	6.8	7.2	7.1	7.1
15	7.3	7.1	7.2	7.3	7.2	7.2	7.0	6.8	6.9	7.2	7.1	7.2
16	7.2	7.1	7.2	7.3	7.2	7.2	7.1	6.9	7.0	7.2	7.1	7.2
17	7.2	7.0	7.2	7.2	7.0	7.0	7.0	6.9	6.9	7.2	7.1	7.2
18	7.2	7.1	7.2	7.1	6.8	7.0	7.0	6.9	6.9	7.2	6.9	7.0
19	7.3	7.2	7.2	6.9	6.4	6.6	7.0	7.0	7.0	7.1	6.9	7.0
20	7.3	7.2	7.2	7.0	6.8	7.0	7.1	7.0	7.1	7.1	7.0	7.1
21	7.3	7.2	7.2	7.1	7.0	7.1	7.1	7.0	7.1	7.2	7.1	7.2
22	7.3	7.2	7.2	7.2	7.1	7.2	7.1	7.1	7.1	7.2	7.1	7.2
23	7.3	7.2	7.2	7.2	7.2	7.2	7.1	6.9	7.1	7.2	7.2	7.2
24	7.3	7.2	7.2	7.2	7.1	7.1	6.9	6.8	6.8	7.2	7.2	7.2
25	7.3	7.2	7.2	7.1	7.0	7.1	7.0	6.9	7.0	7.2	6.6	6.6
26	7.2	6.6	6.8	7.2	7.1	7.2	7.1	7.0	7.1	6.9	6.6	6.8
27	7.0	6.6	6.8	7.2	7.0	7.2	7.1	7.1	7.1	7.0	6.9	7.0
28	7.1	7.0	7.0	7.1	6.9	7.0	7.1	7.1	7.1	7.1	7.0	7.0
29	7.2	7.1	7.1	7.2	7.0	7.1	7.2	7.1	7.1	7.1	7.0	7.0
30	7.2	7.1	7.2	7.2	7.1	7.2	7.1	6.9	7.0	7.1	7.0	7.1
31	7.3	7.2	7.2	---	---	---	7.0	6.9	6.9	7.1	7.1	7.1
MAX	7.3	7.2	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
MIN	7.0	6.6	6.8	6.9	6.4	6.6	6.9	6.6	6.8	6.9	6.6	6.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.1	7.0	7.1	7.3	7.1	7.2	7.1	7.0	7.0	7.2	6.9	7.1
2	7.1	6.7	7.1	7.3	7.2	7.2	7.2	7.0	7.1	6.9	6.5	6.8
3	6.9	6.7	6.8	7.3	7.1	7.2	7.2	7.1	7.2	7.0	6.9	7.0
4	7.0	6.9	6.9	7.3	7.1	7.2	7.2	7.1	7.2	7.1	7.0	7.1
5	7.1	7.0	7.1	7.4	7.1	7.2	7.3	7.1	7.2	7.2	7.0	7.1
6	7.2	6.7	6.9	7.2	7.0	7.0	7.3	7.1	7.2	7.1	7.0	7.0
7	7.0	6.8	6.9	7.2	7.0	7.1	7.3	7.1	7.2	7.2	7.1	7.1
8	7.1	7.0	7.0	7.3	7.1	7.2	7.3	7.1	7.2	7.3	7.1	7.2
9	7.1	7.1	7.1	7.3	7.1	7.2	7.3	7.1	7.2	7.3	7.1	7.2
10	7.1	7.0	7.1	7.3	7.1	7.2	7.2	7.1	7.1	7.3	7.1	7.2
11	7.2	7.0	7.1	7.4	7.1	7.2	7.1	6.7	7.0	7.3	7.1	7.2
12	7.0	6.6	6.8	7.4	7.2	7.2	6.9	6.6	6.8	7.2	7.0	7.1
13	7.0	6.8	6.9	7.4	7.2	7.2	6.7	6.5	6.6	7.2	6.9	6.9
14	7.0	6.8	6.9	7.4	7.1	7.2	6.9	6.7	6.8	7.0	6.9	7.0
15	6.9	6.7	6.8	7.4	7.1	7.2	7.0	6.9	7.0	7.1	6.9	7.0
16	7.0	6.8	6.9	7.4	7.1	7.2	7.0	6.9	7.0	7.1	7.0	7.0
17	7.1	7.0	7.0	7.3	7.0	7.1	7.1	6.9	7.0	7.2	6.8	7.0
18	7.1	7.0	7.1	7.3	7.0	7.2	7.0	6.9	7.0	6.9	6.8	6.9
19	7.2	7.1	7.1	7.5	7.2	7.2	7.0	6.9	6.9	7.1	6.9	7.0
20	7.2	7.1	7.1	7.5	7.2	7.3	7.1	6.9	7.0	7.1	7.0	7.1
21	7.2	7.1	7.2	7.4	7.1	7.2	7.3	7.1	7.2	7.2	7.0	7.1
22	7.2	7.1	7.1	7.3	7.1	7.2	7.3	7.1	7.2	7.2	6.4	7.0
23	7.2	7.1	7.1	7.4	7.2	7.2	7.3	7.1	7.2	6.9	6.6	6.8
24	7.2	7.1	7.1	7.4	7.2	7.3	7.2	7.1	7.1	7.0	6.9	7.0
25	7.2	7.1	7.2	7.4	7.2	7.3	7.2	7.1	7.1	7.1	7.0	7.0
26	7.2	6.9	7.0	7.5	7.2	7.3	7.1	6.8	6.9	7.2	7.0	7.1
27	7.0	6.9	7.0	7.4	7.2	7.2	7.0	6.8	6.9	7.2	7.0	7.1
28	7.1	7.0	7.1	7.5	7.2	7.3	7.2	7.0	7.1	7.1	6.9	7.0
29	7.2	7.0	7.1	7.5	7.2	7.3	7.2	7.1	7.1	7.1	6.9	7.0
30	---	---	---	7.3	6.7	6.8	7.2	7.1	7.2	7.1	6.9	7.0
31	---	---	---	7.1	6.8	7.0	---	---	---	7.0	6.5	6.7
MAX	7.2	7.1	7.2	7.5	7.2	7.3	7.3	7.1	7.2	7.3	7.1	7.2
MIN	6.9	6.6	6.8	7.1	6.7	6.8	6.7	6.5	6.6	6.9	6.4	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.9	6.7	6.9	6.9	6.6	6.9	7.1	6.9	7.0	7.1	6.7	6.8
2	7.0	6.9	7.0	6.9	6.6	6.8	7.2	6.6	7.1	6.8	6.7	6.8
3	7.2	7.0	7.0	6.9	6.7	6.8	6.9	6.7	6.8	6.9	6.7	6.8
4	7.3	7.1	7.2	7.0	6.3	6.9	7.1	6.8	7.0	6.8	6.7	6.8
5	7.3	7.1	7.2	6.9	6.4	6.8	7.2	6.2	7.0	---	---	---
6	7.3	7.1	7.2	7.0	6.9	7.0	6.7	6.3	6.6	---	---	---
7	7.3	7.1	7.2	7.1	7.0	7.0	6.8	6.7	6.8	---	6.1	---
8	7.3	7.1	7.1	7.2	7.0	7.1	6.8	6.7	6.8	6.6	6.3	6.6
9	7.2	6.9	7.1	7.2	7.0	7.1	7.0	6.8	6.9	6.8	6.6	6.7
10	7.0	6.6	6.8	7.3	6.7	7.1	7.1	7.0	7.0	6.9	6.6	6.9
11	7.1	6.9	7.0	7.1	6.6	7.0	7.1	7.0	7.0	7.1	6.9	7.0
12	7.2	7.0	7.1	7.2	7.0	7.1	7.1	6.2	6.5	7.1	7.0	7.1
13	7.0	6.3	6.6	7.3	7.0	7.1	6.8	6.6	6.8	7.2	7.0	7.1
14	6.8	6.3	6.6	7.2	7.0	7.0	7.0	6.8	6.9	7.2	7.1	7.1
15	6.9	6.4	6.8	7.5	7.0	7.2	7.1	6.9	7.0	7.2	7.1	7.1
16	6.7	6.5	6.7	7.4	7.0	7.2	7.1	6.9	7.0	7.2	6.0	6.9
17	6.9	6.7	6.8	7.4	6.9	7.0	7.1	7.0	7.0	6.5	6.0	6.4
18	7.1	6.9	7.0	7.0	6.5	6.8	7.2	7.0	7.1	6.7	6.5	6.6
19	7.1	7.0	7.1	7.0	6.7	6.9	7.1	7.0	7.1	6.7	6.6	6.7
20	7.2	7.1	7.1	7.1	6.9	7.0	7.2	6.8	7.0	6.7	6.6	6.7
21	7.2	6.4	7.1	7.3	7.0	7.0	7.0	6.7	6.9	6.8	6.7	6.7
22	6.8	6.6	6.7	7.4	7.0	7.1	7.1	6.9	7.0	6.9	6.8	6.8
23	6.9	6.6	6.8	7.3	7.0	7.1	7.2	7.0	7.1	6.9	6.8	6.9
24	6.7	6.6	6.7	7.3	6.4	7.0	7.2	7.0	7.1	7.0	6.9	7.0
25	6.9	6.3	6.7	7.0	6.3	6.8	7.2	6.6	7.1	7.1	7.0	7.0
26	6.8	6.6	6.8	6.6	6.2	6.4	6.9	6.6	6.8	7.1	7.0	7.0
27	7.0	6.3	6.8	6.8	6.6	6.7	7.0	6.9	7.0	7.1	6.3	7.1
28	6.8	6.3	6.7	6.8	6.5	6.7	7.1	6.9	7.0	6.7	6.3	6.5
29	6.8	6.5	6.7	6.9	6.7	6.8	7.1	7.0	7.0	6.9	6.7	6.8
30	7.0	6.8	6.9	6.8	6.7	6.8	7.2	7.0	7.0	7.0	6.9	6.9
31	---	---	---	7.0	6.8	6.9	7.2	7.0	7.0	---	---	---
MAX	7.3	7.1	7.2	7.5	7.0	7.2	7.2	7.0	7.1	---	---	---
MIN	6.7	6.3	6.6	6.6	6.2	6.4	6.7	6.2	6.5	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.6	15.7	16.8	17.1	14.5	15.7	8.9	6.4	7.6	8.1	5.5	6.9
2	17.7	14.8	16.0	17.4	14.8	16.0	8.6	6.6	7.7	9.5	7.2	8.4
3	16.8	14.0	15.2	17.4	14.8	16.0	7.9	7.1	7.3	11.8	9.4	10.5
4	18.0	14.6	16.1	18.0	16.4	17.1	7.3	6.5	6.7	13.3	11.1	12.2
5	18.9	15.9	17.2	21.5	17.7	19.0	7.1	6.5	6.8	14.9	12.7	14.0
6	19.7	17.4	18.3	21.1	19.8	20.4	7.2	6.2	6.6	12.7	6.9	9.6
7	19.6	18.2	18.9	19.9	18.4	19.2	7.1	5.0	6.0	6.9	4.0	5.0
8	19.5	18.3	18.9	18.4	16.4	17.0	7.2	4.9	6.1	4.7	3.1	3.9
9	19.4	18.6	19.0	16.4	14.5	15.6	8.3	5.7	6.9	5.5	4.7	5.1
10	19.7	18.7	19.0	14.5	12.4	13.4	11.3	8.3	10.2	5.4	4.3	5.0
11	18.9	18.2	18.5	14.6	12.1	13.3	9.5	7.0	8.1	5.3	2.9	4.1
12	20.5	18.0	19.0	16.4	13.3	14.7	7.6	5.7	6.7	6.1	3.1	4.6
13	20.3	18.2	19.2	16.1	11.5	14.0	7.2	5.9	6.6	7.9	5.1	6.3
14	20.4	18.1	19.6	11.5	9.4	10.4	6.8	5.9	6.2	9.0	5.9	7.4
15	18.1	16.0	16.9	12.2	9.7	10.7	7.5	5.3	6.3	9.2	7.6	8.4
16	17.0	14.4	15.6	13.2	10.9	12.0	9.7	5.4	7.0	8.2	5.7	7.0
17	16.1	14.2	15.0	16.0	13.2	15.0	9.9	6.7	8.2	7.9	6.0	6.8
18	16.4	13.8	14.9	18.5	15.1	16.3	7.2	5.4	6.4	9.3	7.6	8.5
19	16.7	13.9	15.1	18.2	15.7	17.4	7.0	5.5	6.2	8.8	5.8	7.4
20	17.4	14.4	15.7	15.7	13.6	14.4	5.6	3.8	4.6	5.9	3.5	4.8
21	18.0	15.1	16.4	14.3	12.1	13.2	5.0	2.8	3.9	5.8	3.4	4.6
22	18.1	16.0	16.9	13.9	11.6	12.9	5.9	3.2	4.5	6.4	3.6	5.0
23	17.1	14.8	15.9	14.1	11.6	13.0	10.5	4.6	6.4	5.8	3.4	4.7
24	17.0	14.7	15.7	14.4	11.5	13.5	10.3	7.3	9.4	7.4	3.5	5.4
25	17.2	14.9	15.9	11.5	9.0	10.1	7.3	5.2	6.0	9.2	5.6	7.9
26	17.7	16.2	17.0	10.7	8.4	9.6	6.4	4.2	5.4	5.6	5.2	5.3
27	17.6	15.7	17.1	12.5	10.5	11.3	6.6	4.1	5.4	6.8	5.0	5.6
28	15.7	13.9	14.5	13.1	10.2	12.3	6.9	4.5	5.8	5.2	2.8	4.1
29	15.5	13.3	14.3	10.2	7.7	8.6	9.8	6.1	7.4	5.2	2.4	3.8
30	15.8	13.1	14.4	8.3	6.0	7.2	10.9	8.1	9.4	7.0	4.3	5.5
31	16.6	14.0	15.2	---	---	---	8.1	5.9	7.1	6.5	4.0	5.3
MONTH	20.5	13.1	16.7	21.5	6.0	14.0	11.3	2.8	6.7	14.9	2.4	6.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.7	4.1	5.5	13.8	8.8	11.1	14.4	11.1	12.7	20.7	18.2	19.3
2	6.1	3.8	5.0	15.6	12.5	13.9	15.2	10.6	12.9	19.8	17.9	19.1
3	6.9	3.8	5.2	16.9	13.7	15.1	17.4	11.8	14.4	17.9	15.7	16.7
4	7.0	4.5	5.7	17.1	14.5	15.8	16.7	12.1	14.3	18.0	13.7	15.8
5	6.3	5.7	5.9	16.9	15.1	16.1	16.6	11.1	13.7	19.8	14.8	17.2
6	7.2	5.8	6.3	17.8	16.1	16.8	17.8	12.2	14.7	21.8	17.2	19.2
7	7.2	5.0	6.2	17.7	14.2	15.7	18.2	13.4	15.7	22.9	18.4	20.4
8	6.6	3.7	5.1	14.6	11.1	12.9	18.5	15.5	16.8	23.8	19.1	21.1
9	6.4	4.7	5.5	12.8	9.9	11.4	19.8	14.9	17.1	24.0	20.3	21.8
10	7.2	5.4	6.3	13.2	8.6	10.8	17.5	14.5	16.2	23.7	20.2	21.7
11	8.1	6.7	7.4	13.5	8.3	11.0	16.6	15.3	16.1	24.0	20.7	21.9
12	8.0	6.6	7.0	14.4	9.7	11.9	17.6	14.6	16.2	22.8	20.9	21.6
13	8.9	6.2	7.5	14.5	9.7	12.0	14.8	12.4	14.2	22.8	20.6	21.6
14	8.6	8.1	8.4	15.6	11.1	13.4	14.6	11.0	12.6	22.5	20.6	21.4
15	8.7	7.9	8.4	16.8	13.7	15.2	16.7	11.1	13.8	23.8	20.2	21.8
16	7.9	7.0	7.5	17.6	14.9	15.9	18.2	12.8	15.5	24.0	20.6	21.9
17	7.7	6.4	7.0	16.8	12.5	14.5	19.6	14.5	16.9	23.6	20.5	21.8
18	9.5	5.7	7.4	14.5	11.8	13.3	20.9	15.7	18.2	23.0	21.0	21.9
19	9.9	5.7	7.8	18.0	12.2	14.9	21.4	17.0	19.0	23.1	21.0	22.0
20	10.2	7.2	8.7	18.3	13.4	15.8	21.4	17.9	19.4	24.9	20.9	22.7
21	12.4	9.5	10.7	17.5	13.3	15.9	20.4	17.9	19.1	25.8	21.9	23.5
22	11.6	8.0	9.8	14.3	9.8	11.9	21.9	17.6	19.5	24.0	22.2	23.1
23	10.1	8.4	9.1	13.9	8.4	11.1	21.9	18.3	19.9	25.2	21.6	23.1
24	10.2	9.1	9.6	15.2	9.6	12.3	22.2	18.7	20.4	25.2	21.7	23.3
25	10.1	8.5	9.4	17.4	11.6	14.3	22.9	19.4	21.0	26.1	22.7	24.2
26	8.5	5.2	6.1	19.2	13.7	16.3	21.2	18.1	19.6	26.7	23.0	24.6
27	6.9	5.2	5.9	18.9	14.7	16.8	19.4	16.4	17.7	26.8	23.1	24.6
28	9.8	5.0	7.2	20.7	15.1	17.7	19.4	14.8	17.0	26.0	22.9	24.1
29	10.3	6.2	8.3	19.9	16.5	18.0	19.8	16.2	17.8	24.5	22.7	23.5
30	---	---	---	17.9	15.5	16.7	19.0	18.2	18.6	25.9	22.3	23.9
31	---	---	---	16.2	12.9	14.9	---	---	---	24.5	21.6	22.7
MONTH	12.4	3.7	7.2	20.7	8.3	14.3	22.9	10.6	16.7	26.8	13.7	21.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.6	20.9	21.7	25.4	22.8	23.7	28.4	24.9	26.3	25.1	23.5	24.1
2	22.8	20.3	21.6	23.9	22.8	23.3	27.7	25.1	26.0	23.9	22.5	23.3
3	23.3	20.4	21.8	25.6	22.9	24.1	27.8	24.5	26.0	24.4	22.6	23.4
4	24.9	21.3	22.8	27.0	23.5	24.8	28.4	25.0	26.4	24.6	22.1	23.2
5	24.6	20.8	22.5	27.1	24.4	25.6	28.6	24.7	25.6	---	22.1	---
6	24.9	21.4	22.9	27.1	24.1	25.4	26.1	24.2	25.0	---	---	---
7	23.5	21.8	22.6	26.8	23.4	25.0	24.9	21.9	23.3	23.2	21.9	22.6
8	23.4	21.5	22.2	27.2	23.8	25.2	24.8	21.2	22.7	23.1	22.1	22.6
9	23.4	21.9	22.6	26.5	24.0	25.2	24.1	21.2	22.6	24.2	21.4	22.7
10	25.6	22.2	23.8	27.3	24.2	25.6	22.7	21.8	22.2	24.2	21.8	22.9
11	27.0	23.4	25.0	28.1	24.5	26.1	24.8	20.9	22.6	24.2	21.9	22.9
12	28.3	24.1	25.9	27.4	24.9	25.9	23.6	22.5	23.0	24.2	21.9	22.9
13	26.1	22.9	24.4	28.5	24.5	26.2	23.6	21.1	22.2	23.0	21.6	22.3
14	25.1	23.1	24.1	28.9	24.7	26.4	23.1	19.8	21.3	22.8	20.7	21.7
15	25.7	23.7	24.4	27.8	24.4	25.7	23.7	21.0	22.1	21.5	20.8	21.2
16	26.6	23.8	24.9	26.1	23.2	24.6	24.0	21.9	22.8	22.9	17.4	21.5
17	26.9	23.9	25.3	26.7	23.5	24.6	25.2	22.1	23.4	22.8	18.6	22.1
18	27.1	24.3	25.7	26.2	23.4	24.8	26.1	22.3	23.9	22.3	20.5	21.4
19	28.1	24.8	26.2	26.9	23.2	24.7	25.5	22.4	23.8	21.2	18.9	20.1
20	27.1	24.5	25.7	25.9	22.7	24.3	26.0	22.8	24.2	20.1	17.9	19.0
21	25.5	22.9	24.5	26.4	23.0	24.6	24.9	23.2	23.9	20.2	17.7	18.8
22	26.8	23.3	24.6	26.8	23.4	25.0	25.6	23.1	24.1	20.8	17.8	19.1
23	25.9	23.5	24.2	28.4	24.0	25.9	25.5	23.4	24.3	21.4	18.4	19.7
24	24.5	23.4	24.0	28.0	24.7	25.9	25.8	23.2	24.4	22.1	19.5	20.6
25	25.8	23.2	24.3	27.6	24.0	25.7	24.6	23.5	23.8	22.1	20.0	20.9
26	24.7	23.6	24.2	25.8	23.6	24.7	25.6	22.9	24.1	---	19.6	---
27	25.8	23.0	24.0	25.3	24.1	24.6	26.3	23.1	24.4	22.5	20.0	20.6
28	24.1	23.3	23.6	26.2	24.0	25.0	26.4	23.4	24.7	21.2	20.1	20.6
29	24.4	22.7	23.6	26.2	23.9	24.8	25.3	23.9	24.5	21.2	19.9	20.5
30	24.4	22.9	23.5	26.9	24.1	25.3	26.3	23.5	24.6	21.0	18.8	19.9
31	---	---	---	27.0	24.7	25.7	26.6	23.5	24.9	---	---	---
MONTH	28.3	20.3	23.9	28.9	22.7	25.1	28.6	19.8	24.0	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	8.9	8.2	8.5	---	---	---	12.3	10.7	11.5
2	---	---	---	8.9	8.2	8.5	---	---	---	12.1	10.5	11.4
3	---	---	---	9.0	8.2	8.6	11.3	---	---	11.3	10.1	10.8
4	---	---	---	8.7	8.0	8.3	11.4	11.1	11.3	10.8	9.5	10.3
5	---	---	---	8.2	6.6	7.7	11.4	11.1	11.2	9.6	8.4	9.2
6	---	---	---	7.4	6.7	7.1	11.7	11.1	11.5	11.5	9.6	10.5
7	---	---	---	7.8	7.0	7.5	12.0	11.4	11.7	---	---	---
8	---	---	---	8.6	7.4	8.1	12.0	11.2	11.6	---	---	---
9	7.4	---	---	9.2	8.3	8.8	11.7	10.7	11.3	---	---	---
10	7.5	7.2	7.3	10.0	8.9	9.5	10.7	9.6	10.1	---	---	---
11	7.6	7.3	7.4	10.2	8.9	9.6	10.9	10.1	10.6	---	---	---
12	7.8	7.2	7.5	9.6	8.4	9.1	11.6	10.9	11.2	---	---	---
13	7.8	7.1	7.5	9.9	8.4	9.2	11.6	11.0	11.3	---	---	---
14	7.5	6.8	7.1	11.2	9.7	10.7	11.7	11.2	11.4	---	---	---
15	8.0	6.8	7.6	11.2	9.8	10.7	11.6	10.8	11.2	---	---	---
16	8.2	7.4	7.8	10.9	9.9	10.5	11.6	10.2	11.2	---	---	---
17	8.6	7.2	7.9	10.1	8.3	9.1	10.8	10.1	10.5	---	---	---
18	8.7	7.4	8.1	9.2	8.0	8.7	11.5	10.5	11.0	---	---	---
19	8.7	7.8	8.3	---	---	---	11.7	10.6	11.3	---	---	---
20	8.7	7.7	8.1	---	---	---	12.4	11.2	11.9	---	---	---
21	8.5	7.4	8.0	---	---	---	12.9	11.7	12.3	---	---	---
22	8.0	7.2	7.6	---	---	---	12.9	11.4	12.2	---	---	---
23	8.5	7.4	7.8	---	---	---	12.2	10.1	11.5	---	---	---
24	8.4	7.6	7.9	---	---	---	10.7	9.9	10.2	---	---	---
25	8.6	7.5	8.0	---	---	---	12.1	10.5	11.4	---	---	---
26	8.3	6.2	7.6	---	---	---	12.8	11.1	12.1	---	---	---
27	8.0	7.6	7.8	---	---	---	12.7	11.1	12.2	---	---	---
28	8.8	7.9	8.6	---	---	---	12.8	11.4	12.1	---	---	---
29	8.9	8.3	8.6	---	---	---	12.3	9.9	11.5	---	---	---
30	8.9	8.3	8.6	---	---	---	10.8	9.6	10.2	---	---	---
31	8.8	8.3	8.5	---	---	---	11.7	9.8	11.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	11.1	9.5	10.5	9.7	8.4	9.1	8.5	7.0	7.4
2	---	---	---	10.5	9.1	9.8	10.1	8.6	9.3	8.1	6.6	7.5
3	---	---	---	10.4	8.8	9.5	10.3	8.3	9.3	8.3	7.8	8.1
4	11.9	---	---	10.5	8.6	9.3	10.3	8.4	9.2	9.1	8.2	8.6
5	11.9	11.5	11.7	10.5	8.5	9.4	10.6	8.4	9.4	8.8	7.2	8.2
6	12.3	11.4	11.7	9.1	8.5	8.7	10.7	8.3	9.6	8.2	7.1	7.7
7	12.1	11.4	11.8	10.1	8.5	9.2	10.6	7.9	9.2	8.1	6.9	7.5
8	12.8	12.1	12.4	11.2	9.0	10.1	9.2	7.3	8.1	8.7	7.0	7.8
9	12.5	11.9	12.2	11.7	9.9	10.6	9.5	7.0	8.2	8.6	7.0	7.6
10	12.0	11.5	11.8	12.0	9.8	10.9	9.8	7.4	8.5	8.7	6.9	7.6
11	11.9	11.2	11.6	12.4	10.2	11.2	8.1	4.6	7.0	8.6	6.7	7.5
12	12.0	11.4	11.8	12.2	10.1	10.9	7.5	3.4	4.4	8.1	6.5	7.1
13	12.1	11.0	11.7	12.4	10.0	11.0	6.7	4.7	5.8	7.1	5.6	6.2
14	11.5	11.0	11.3	12.2	9.5	10.8	8.6	5.4	6.9	7.2	5.7	6.6
15	11.4	10.9	11.2	11.9	9.2	10.1	9.1	7.1	8.4	8.0	6.6	7.4
16	12.0	11.4	11.7	10.8	8.8	9.5	9.7	7.4	8.5	8.3	7.0	7.5
17	12.1	11.6	11.8	11.4	8.7	9.8	9.2	6.5	8.0	7.8	5.8	7.2
18	12.1	11.2	11.7	11.8	9.1	10.4	9.6	7.0	8.3	6.7	6.2	6.4
19	12.1	10.9	11.6	11.8	9.1	10.4	9.4	7.0	8.1	7.2	6.4	6.8
20	11.6	10.6	11.2	11.8	8.8	10.1	9.2	7.0	7.9	7.5	6.6	6.9
21	11.1	10.3	10.7	10.8	8.2	9.5	9.8	7.4	8.6	7.5	6.3	6.9
22	11.5	10.4	10.9	12.3	9.3	10.8	10.1	8.0	8.9	7.4	4.5	6.5
23	11.6	10.4	11.0	12.8	10.2	11.4	10.0	8.0	8.7	7.0	6.5	6.7
24	10.8	10.1	10.5	12.5	9.9	11.2	9.7	7.7	8.6	7.3	6.5	6.9
25	10.7	10.1	10.4	12.1	9.4	10.7	9.6	7.7	8.5	7.5	6.5	6.9
26	11.8	10.6	11.4	11.5	8.7	10.0	8.3	7.6	7.8	7.8	6.4	6.9
27	11.8	11.4	11.7	11.3	8.6	9.7	8.5	7.3	8.1	8.1	6.3	7.0
28	12.0	10.8	11.5	11.2	8.1	9.5	---	---	---	8.1	6.1	6.9
29	11.8	10.4	11.2	10.9	7.8	9.2	8.6	7.5	8.0	8.1	6.3	7.1
30	---	---	---	9.2	7.9	8.6	8.2	7.5	7.8	7.2	5.8	6.6
31	---	---	---	9.4	7.7	8.6	---	---	---	8.2	5.7	6.7
MONTH	---	---	---	12.8	7.7	10.0	---	---	---	9.1	4.5	7.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	7.1	7.3	6.5	5.6	6.2	---	---	---	---	---	---
2	7.8	6.8	7.4	6.5	5.6	6.0	---	---	---	---	---	---
3	8.2	7.2	7.5	6.0	5.7	5.9	---	---	---	---	---	---
4	8.4	7.2	7.7	6.1	4.9	5.7	---	---	---	---	---	---
5	8.8	6.9	7.8	6.2	5.5	5.9	---	---	---	---	---	---
6	8.4	6.8	7.5	6.3	5.7	6.0	---	---	---	---	---	---
7	8.6	6.8	7.4	6.5	5.8	6.2	---	---	---	---	---	---
8	8.6	6.9	7.6	6.8	5.9	6.3	---	---	---	---	---	---
9	8.2	6.8	7.5	7.0	6.1	6.5	---	---	---	---	---	---
10	7.0	6.4	6.8	7.5	4.8	6.3	6.4	5.9	6.1	6.8	---	---
11	7.4	6.4	6.8	7.1	4.9	6.1	6.6	5.8	6.2	6.6	6.0	6.3
12	7.9	6.0	7.0	7.6	5.8	6.5	6.3	5.4	5.7	6.8	6.2	6.4
13	8.0	5.7	6.8	8.1	5.7	6.6	6.2	5.7	6.0	7.0	6.2	6.6
14	8.0	6.8	7.4	7.7	5.5	6.3	6.6	6.0	6.3	7.5	6.5	6.9
15	8.2	6.6	7.2	7.8	5.6	6.5	7.0	6.0	6.6	7.5	6.7	7.0
16	7.9	6.8	7.4	7.8	5.5	6.4	6.6	6.0	6.4	7.2	6.0	6.7
17	7.4	6.1	7.1	7.7	5.3	6.1	6.6	5.9	6.3	6.7	5.9	6.4
18	8.0	6.8	7.4	5.8	4.9	5.6	6.7	5.8	6.1	---	---	---
19	8.1	7.1	7.5	6.3	5.4	5.9	6.6	5.8	6.2	---	---	---
20	8.5	7.2	7.8	6.9	5.7	6.2	6.5	4.1	5.8	---	---	---
21	9.3	7.0	7.6	7.6	5.9	6.6	5.9	3.5	4.9	---	---	---
22	7.5	6.5	7.0	8.0	5.8	6.6	6.5	5.1	5.8	---	---	---
23	7.3	5.4	6.4	7.5	5.4	6.3	6.5	5.2	5.7	---	---	---
24	6.8	5.7	6.3	7.7	5.0	6.3	6.9	5.3	6.0	---	---	---
25	7.8	5.9	6.9	7.3	5.0	5.8	6.3	4.3	5.4	---	---	---
26	7.9	7.1	7.5	---	---	---	5.9	4.1	5.1	---	---	---
27	7.9	6.5	7.4	---	---	---	6.4	5.5	5.9	---	---	---
28	7.8	6.2	7.2	---	---	---	6.4	5.3	5.9	7.6	7.2	7.5
29	7.3	6.4	6.8	---	---	---	6.5	5.3	5.7	7.7	7.2	7.5
30	6.6	6.4	6.5	---	---	---	6.6	4.8	5.8	7.6	7.2	7.5
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	9.3	5.4	7.2	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20	6.8	8.5	21	5.0	8.0	30	7.2	12	22	5.8	9.8
2	18	6.5	8.1	18	<5.0	6.2	14	6.0	6.9	21	<5.0	8.3
3	23	6.8	8.6	13	<5.0	6.6	9.5	5.2	6.0	25	5.1	8.6
4	24	6.6	8.1	19	<5.0	5.6	32	5.4	24	23	<5.0	5.4
5	25	5.9	7.7	370	<5.0	7.0	24	8.7	13	210	<5.0	25
6	65	5.8	7.9	290	16	52	19	5.6	7.2	130	16	35
7	42	7.9	12	22	6.1	10	13	<5.0	5.7	16	7.5	9.6
8	550	9.4	110	18	<5.0	5.8	12	5.0	5.5	23	5.4	8.8
9	37	9.3	14	10	<5.0	5.2	7.8	5.1	5.6	62	17	28
10	16	5.3	7.2	20	<5.0	5.8	330	5.4	130	17	7.2	9.2
11	8.2	<5.0	5.5	---	---	---	100	16	32	11	5.2	6.6
12	7.3	<5.0	<5.0	---	---	---	17	7.8	11	9.3	<5.0	5.6
13	30	<5.0	11	21	5.2	8.8	130	6.7	8.6	12	<5.0	5.4
14	17	<5.0	8.9	21	<5.0	8.7	170	31	75	15	<5.0	5.3
15	17	6.0	9.4	17	5.7	8.3	33	9.3	17	32	<5.0	8.5
16	14	<5.0	7.5	24	5.4	9.1	94	6.1	8.1	19	<5.0	7.1
17	73	<5.0	---	230	7.0	28	110	18	34	75	5.0	7.3
18	---	---	---	210	6.9	13	20	6.8	9.8	100	16	48
19	---	---	---	520	65	150	14	5.3	6.6	20	6.2	11
20	---	---	---	69	22	36	10	5.1	5.9	11	5.2	6.6
21	---	---	---	24	11	15	12	5.3	6.1	8.8	<5.0	5.7
22	---	<5.0	---	16	8.3	11	15	5.5	7.9	9.2	<5.0	5.2
23	12	<5.0	7.0	14	8.7	9.5	85	5.7	12	13	5.0	6.4
24	14	<5.0	5.5	58	7.8	29	180	18	52	10	5.4	6.2
25	18	<5.0	6.5	27	11	16	19	7.7	11	360	5.4	150
26	450	8.3	250	14	6.9	9.1	11	5.1	6.3	150	24	52
27	210	29	57	170	7.0	8.8	7.6	<5.0	5.4	24	10	14
28	29	11	21	130	17	34	9.0	<5.0	5.5	14	7.8	9.8
29	20	6.3	9.1	18	8.5	12	22	<5.0	5.8	11	6.9	8.3
30	8.2	<5.0	6.2	28	6.8	9.2	120	13	45	9.6	5.9	7.0
31	11	<5.0	5.7	---	---	---	28	7.2	14	11	6.2	6.9
MAX	---	---	---	---	---	---	330	31	130	360	24	150
MIN	---	---	---	---	---	---	7.6	5.0	5.4	8.8	5.0	5.2

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10	5.4	6.6	6.0	<5.0	<5.0	63	<5.0	9.0	180	<5.0	6.2
2	630	5.9	11	9.1	<5.0	<5.0	13	<5.0	<5.0	490	23	84
3	400	28	70	5.8	<5.0	<5.0	8.5	<5.0	<5.0	26	6.3	11
4	28	10	17	5.1	<5.0	<5.0	7.1	<5.0	<5.0	8.4	<5.0	<5.0
5	14	8.7	10	8.7	<5.0	<5.0	19	<5.0	<5.0	10	<5.0	<5.0
6	460	7.6	120	160	<5.0	55	20	<5.0	<5.0	7.7	<5.0	<5.0
7	110	20	39	43	<5.0	9.5	18	<5.0	<5.0	13	<5.0	<5.0
8	21	9.7	14	8.9	<5.0	<5.0	13	<5.0	<5.0	7.0	<5.0	<5.0
9	11	7.4	8.6	36	<5.0	<5.0	25	<5.0	5.0	16	<5.0	<5.0
10	14	7.1	9.2	12	<5.0	<5.0	13	<5.0	<5.0	10	<5.0	<5.0
11	32	6.4	7.8	7.6	<5.0	<5.0	170	<5.0	36	25	<5.0	<5.0
12	290	22	100	7.4	<5.0	<5.0	670	<5.0	9.6	18	<5.0	<5.0
13	55	15	24	9.8	<5.0	5.2	770	49	150	26	<5.0	13
14	80	14	48	16	<5.0	5.0	56	11	21	13	<5.0	<5.0
15	220	24	52	10	<5.0	<5.0	18	6.8	12	---	---	---
16	99	16	30	42	<5.0	10	9.4	<5.0	5.2	25	<5.0	5.3
17	17	8.0	11	11	<5.0	5.5	16	<5.0	<5.0	440	<5.0	6.5
18	11	6.3	8.4	6.2	<5.0	<5.0	14	<5.0	6.8	300	9.9	32
19	10	5.5	7.1	9.6	<5.0	<5.0	16	<5.0	<5.0	13	<5.0	7.7
20	8.2	5.3	6.4	23	<5.0	<5.0	16	<5.0	5.7	11	5.0	7.1
21	19	<5.0	5.6	15	<5.0	<5.0	19	<5.0	<5.0	20	5.1	6.7
22	7.2	<5.0	5.7	15	<5.0	<5.0	18	<5.0	<5.0	1300	<5.0	7.2
23	7.7	<5.0	5.3	25	<5.0	7.1	8.9	<5.0	5.0	420	20	70
24	11	<5.0	<5.0	26	<5.0	<5.0	15	<5.0	6.4	22	8.1	11
25	32	<5.0	12	37	<5.0	<5.0	19	<5.0	5.3	14	6.5	9.1
26	68	17	44	20	<5.0	<5.0	120	<5.0	58	22	7.0	9.0
27	52	9.6	20	10	<5.0	<5.0	44	5.2	12	24	7.1	10
28	11	<5.0	6.3	13	<5.0	<5.0	8.5	<5.0	<5.0	31	6.5	10
29	6.4	<5.0	<5.0	7.8	<5.0	<5.0	6.0	<5.0	<5.0	38	5.4	8.6
30	---	---	---	220	<5.0	79	<5.0	<5.0	<5.0	86	8.8	22
31	---	---	---	32	5.7	12	---	---	---	660	7.6	110
MAX	630	28	120	220	5.7	79	770	49	150	---	---	---
MIN	6.4	5.0	5.0	5.1	5.0	5.0	5.0	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	88	13	25	160	14	45	25	<5.0	6.6	170	<5.0	27
2	15	6.3	9.3	170	23	62	1600	5.2	6.8	240	16	33
3	10	5.1	7.0	84	18	45	170	13	32	---	---	---
4	17	5.5	7.3	1400	9.9	30	32	6.1	9.9	---	---	---
5	13	5.1	7.1	340	16	46	770	5.3	8.3	---	---	---
6	18	<5.0	7.3	20	6.9	11	370	26	68	---	---	---
7	13	<5.0	6.7	13	<5.0	6.9	45	10	18	---	---	---
8	14	6.1	7.1	14	<5.0	5.9	18	8.2	10	---	---	---
9	430	<5.0	6.5	11	<5.0	5.4	31	5.8	7.2	---	---	---
10	440	18	79	390	<5.0	9.7	23	6.8	9.1	---	---	---
11	18	6.6	10	390	<5.0	12	33	9.3	16	30	13	17
12	53	<5.0	7.7	32	<5.0	7.2	1300	12	190	45	12	19
13	890	31	260	20	<5.0	6.6	130	36	58	37	13	16
14	940	30	93	15	<5.0	<5.0	43	16	27	56	13	19
15	830	14	23	7.6	<5.0	<5.0	38	12	17	39	13	19
16	430	56	91	26	<5.0	5.3	140	27	49	1700	14	180
17	57	11	19	100	<5.0	5.8	---	---	---	1300	240	520
18	22	7.0	11	360	28	68	---	---	---	330	73	130
19	10	5.9	7.4	38	5.8	14	---	---	---	95	---	---
20	12	5.1	6.8	36	<5.0	6.8	---	---	---	---	---	---
21	1100	5.2	7.0	38	<5.0	5.6	---	---	---	---	---	---
22	---	---	---	25	<5.0	6.2	---	---	---	---	---	---
23	---	---	---	52	<5.0	6.4	---	---	---	---	---	---
24	---	---	---	540	<5.0	5.7	---	---	---	---	---	---
25	---	---	---	620	12	41	---	---	---	---	---	---
26	---	---	---	1400	40	120	---	---	---	---	---	---
27	---	---	---	73	10	22	---	---	---	1400	18	63
28	---	---	---	500	21	54	---	---	---	880	140	310
29	---	31	---	77	10	18	---	---	---	140	49	79
30	56	12	22	36	11	16	---	---	---	56	28	38
31	---	---	---	19	5.8	9.5	---	<5.0	---	---	---	---
MAX	---	---	---	1400	40	120	---	---	---	---	---	---
MIN	---	---	---	7.6	5.0	5.0	---	---	---	---	---	---

< Actual value is known to be less than the value shown

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA

LOCATION.—Lat 33°49'53", long 84°20'34", referenced to North American Datum (NAD) of 1927, DeKalb County, Hydrologic Unit Code 0313001, on right downstream side of bridge on GA 13, (Buford HWY), 4.1 miles south of the junction of US 23 and GA 155, and 2.1 miles north of the confluence of S.F. Peachtree Creek.

DRAINAGE AREA.—34.8 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1976 to August 1977, June 27, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples with no medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
08...	1000	--	9	J	81345	7.35	549	260	749	8.3	90	6.8	42
08...	1030	--	9	J	81345	6.89	452	240	749	8.4	91	6.9	43
22...	0800	--	9	9	81345	3.85	10	6.4	755	8.1	83	7.1	143
22...	0830	--	9	9	81345	3.85	10	5.9	755	8.2	84	7.1	143
NOV													
05-05	2105	2107	9	J	81345	7.52	607	360	--	6.6	--	6.8	86
NOV													
05-05	2150	2152	9	J	81345	8.04	817	360	--	6.6	--	6.8	70
NOV													
06-06	0050	0052	9	J	81345	6.46	313	250	--	6.8	--	6.6	50
JAN													
05...	0845	--	9	9	81345	4.07	19	6.1	--	9.8	96	6.6	137
05...	0855	--	9	9	81345	4.06	18	31	--	9.8	95	6.7	122
JAN													
09-09	0439	0441	9	J	81345	4.57	45	24	--	12.2	--	7.1	93
JAN													
09-09	0739	0741	9	J	81345	4.92	75	31	--	12.1	--	7.0	106
JAN													
09-09	0954	0956	9	J	81345	5.19	104	42	--	12.7	--	7.0	118
JAN													
09-09	1124	1126	9	J	81345	5.23	109	49	--	12.4	--	7.0	107
21...	0945	--	9	9	81345	4.05	18	5.1	748	13.2	101	7.3	131
21...	1015	--	9	9	81345	4.05	18	5.3	748	13.3	102	7.3	131
JAN													
25-25	0330	0331	9	J	81345	4.56	45	26	--	10.5	--	7.1	101
JAN													
25-25	0629	0631	9	J	81345	5.62	164	--	--	10.8	--	7.0	92
JAN													
25-25	0759	0801	9	J	81345	6.81	429	--	--	10.4	--	7.0	84
JAN													
25-25	1014	1016	9	J	81345	8.98	1120	290	--	12.1	--	6.8	56
FEB													
04...	0850	--	9	J	81345	4.35	32	22	747	13.1	103	6.9	103
04...	0920	--	9	J	81345	4.35	32	18	747	13.1	103	6.9	103
FEB													
06-06	0749	0751	9	J	81345	4.76	60	70	--	12.0	--	7.1	98
FEB													
06-06	1004	1006	9	J	81345	6.37	315	120	--	12.0	--	7.1	82
FEB													
06-06	1134	1136	9	J	81345	8.18	861	280	--	12.0	--	6.9	62
FEB													
06-06	1305	1307	9	J	81345	8.75	1050	390	--	11.9	--	6.8	66
FEB													
06-06	1350	1352	9	J	81345	8.81	1070	350	--	11.8	--	6.8	64
FEB													
06-06	1434	1436	9	J	81345	8.64	1010	300	--	11.8	--	6.7	53
MAR													
02...	1010	--	9	9	81345	4.20	26	17	753	10.4	100	7.3	133
02...	1030	--	9	9	81345	4.18	24	11	753	10.3	99	7.3	133
23...	0900	--	9	9	81345	4.06	16	10	757	10.7	92	7.5	143
23...	0915	--	9	9	81345	4.06	16	9.2	757	10.7	92	7.5	143
APR													
07...	1330	--	9	9	81345	4.04	14	8.3	742	10.9	116	7.5	144
07...	1345	--	9	9	81345	4.04	14	10	742	11.1	118	7.5	144
MAY													
01-01	2312	2314	9	J	81345	5.04	36	100	--	7.7	--	7.0	99
MAY													
02-02	0042	0044	9	J	81345	7.15	421	400	--	7.9	--	6.8	56
MAY													
02-02	0127	0129	9	J	81345	7.14	488	250	--	7.8	--	6.7	47
MAY													
02-02	0343	0345	9	J	81345	7.41	519	350	--	7.4	--	6.7	61

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
08...	18.5	12	1	3.63	.62	2.16	.2	1.81	21	10.6	<.02	1.67	3.43
08...	18.5	12	.0	3.78	.66	2.28	.2	1.72	20	11.4	<.02	1.83	3.60
22...	16.0	45	--	13.4	2.82	3.20	.5	7.78	26	48.3	.1	9.40	17.8
22...	16.0	46	--	13.7	2.92	3.29	.5	8.37	27	48.1	.1	9.34	18.9
NOV													
05-05	20.5	26	--	7.87	1.48	3.31	.4	4.37	24	28.6	<.02	5.75	10.0
NOV													
05-05	20.5	19	--	5.72	1.06	2.94	.3	3.41	25	20.4	<.02	4.09	7.23
NOV													
06-06	21.0	15	--	4.59	.82	3.31	.3	2.45	22	15.6	<.02	2.83	4.93
JAN													
05...	14.0	44	7	12.1	3.21	2.76	.5	7.85	27	36.4	.1	10.8	18.0
05...	14.5	43	7	11.9	3.16	2.66	.5	7.40	26	35.8	M	10.5	17.6
JAN													
09-09	5.0	39	7	10.8	2.86	2.66	.5	6.69	26	31.9	M	9.79	15.1
JAN													
09-09	5.0	37	6	10.5	2.68	2.63	.5	6.41	26	31.7	.1	9.36	13.9
JAN													
09-09	5.0	36	6	9.60	2.80	2.40	.4	4.86	22	29.3	.1	7.51	13.6
JAN													
09-09	5.0	37	6	9.97	2.87	2.54	.3	4.47	20	31.1	M	7.59	14.6
21...	3.5	28	4	7.74	2.04	2.20	.3	3.53	20	24.1	M	6.42	10.8
21...	3.5	32	6	8.74	2.40	2.38	.3	4.40	22	25.6	M	7.49	12.2
JAN													
25-25	8.9	35	5	9.78	2.55	2.64	.4	5.83	25	30.4	M	8.70	13.8
JAN													
25-25	8.8	34	3	9.56	2.44	2.57	.5	6.09	26	30.9	.1	8.69	13.5
JAN													
25-25	9.0	31	4	8.89	2.14	2.76	.5	5.87	27	27.0	M	8.41	10.7
JAN													
25-25	8.9	29	3	8.38	2.01	2.63	.4	5.26	26	26.0	<.02	8.47	9.85
FEB													
04...	4.5	32	5	9.52	1.95	2.17	.4	5.41	25	26.6	<.02	6.60	12.0
04...	4.5	32	4	9.51	1.88	2.16	.4	5.35	25	27.6	<.02	6.92	11.8
FEB													
06-06	6.1	31	4	9.36	1.72	2.15	.4	5.56	27	26.2	M	7.32	11.1
FEB													
06-06	6.1	24	4	7.34	1.35	1.70	.4	4.14	26	19.9	M	5.20	8.76
FEB													
06-06	6.1	19	3	5.89	.98	1.79	.3	3.15	25	15.7	<.02	3.50	5.75
FEB													
06-06	6.1	20	2	6.36	.95	1.81	.2	2.54	20	17.8	<.02	4.53	5.65
FEB													
06-06	6.2	18	2	5.65	.92	1.65	.3	2.85	24	15.5	<.02	4.04	5.41
FEB													
06-06	6.3	16	3	4.91	.81	1.53	.3	2.60	24	12.5	<.02	3.03	4.79
MAR													
02...	13.0	45	5	13.4	2.75	2.18	.4	6.48	23	39.7	.1	9.72	17.8
02...	13.0	50	11	15.7	2.70	2.65	.5	7.96	24	39.8	<.02	9.72	17.0
23...	8.5	50	4	15.1	3.05	2.47	.5	8.43	26	46.1	.1	10.4	15.5
23...	8.5	49	2	14.7	2.86	2.72	.6	8.79	27	46.0	.1	10.5	15.3
APR													
07...	17.0	47	1	14.0	2.83	2.64	.5	8.55	27	45.6	.1	9.31	17.8
07...	17.0	47	.0	14.0	2.83	2.54	.5	8.21	26	45.8	.1	9.39	17.4
MAY													
01-01	19.9	34	3	10.3	2.05	2.86	.5	6.46	27	31.7	.1	6.94	13.1
MAY													
02-02	19.4	21	3	6.40	1.17	2.33	.4	3.77	26	17.9	M	3.49	8.00
MAY													
02-02	19.2	16	3	4.98	.89	2.24	.3	2.83	25	13.1	<.02	2.46	5.61
MAY													
02-02	19.3	23	5	7.07	1.19	2.66	.4	3.89	25	18.1	.1	3.24	7.48

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by analysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
OCT													
08...	3.1	25	.03	.06	.049	.41	<.020	<.100	<.10	.68	17000	36000k	816000
08...	3.3	26	.04	.05	.041	.42	<.020	<.100	<.10	.71	18000	26000	687000
22...	6.7	93	.13	--	<.020	.60	<.020	<.100	<.10	.73	530	360	>24200k
22...	6.8	95	.13	--	<.020	.61	<.020	<.100	<.10	.75	--	--	--
NOV													
05-05	4.6	57	.08	.04	.028	.49	<.020	<.100	<.10	.61	20000	25000	>242000
NOV													
05-05	3.9	42	.06	.07	.057	.33	<.020	<.100	<.10	.51	17000	20000	>242000
NOV													
06-06	3.4	33	.05	.06	.043	.28	<.020	<.100	<.10	.42	17000	19000	>242000
JAN													
05...	9.3	91	.12	.04	.028	1.05	<.020	<.100	<.10	.82	280	270	7530
05...	9.0	88	.12	.08	.061	.89	<.020	<.100	<.10	.96	--	--	--
JAN													
09-09	8.2	79	.11	--	<.020	.82	<.020	<.100	<.10	.82	--	--	--
JAN													
09-09	8.1	76	.10	--	<.020	.79	<.020	<.100	<.10	.80	--	--	--
JAN													
09-09	6.1	68	.09	--	<.020	.87	<.020	<.100	<.10	1.26	--	--	--
JAN													
09-09	6.3	71	.10	--	<.020	.91	<.020	<.100	<.10	.82	--	--	--
21...	4.7	55	.08	.12	.097	.74	<.020	<.100	.13	.66	--	--	--
21...	5.0	62	.08	.11	.086	.82	<.020	<.100	<.10	1.07	230	260	1310
JAN													
25-25	7.2	73	.10	--	<.020	.88	<.020	<.100	<.10	1.41	--	--	--
JAN													
25-25	7.1	72	.10	--	<.020	.64	<.020	<.100	<.10	1.39	--	--	--
JAN													
25-25	6.5	65	.09	--	<.020	.86	<.020	<.100	<.10	1.37	--	--	--
JAN													
25-25	6.3	61	.08	--	<.020	.50	<.020	<.100	<.10	1.17	--	--	--
FEB													
04...	7.3	65	.09	.13	.102	.87	<.020	<.100	<.10	1.16	--	--	--
04...	7.3	66	.09	.13	.102	.87	<.020	<.100	<.10	1.08	1100	310	8160
FEB													
06-06	7.3	65	.09	.26	.201	.99	<.020	<.100	<.10	1.38	--	--	--
FEB													
06-06	5.9	51	.07	.27	.212	.83	<.020	<.100	<.10	1.26	--	--	--
FEB													
06-06	4.5	38	.05	.23	.176	.60	<.020	<.100	<.10	1.00	--	--	--
FEB													
06-06	5.3	41	.06	.18	.143	.65	<.020	<.100	<.10	.98	--	--	--
FEB													
06-06	4.7	38	.05	.22	.169	.62	<.020	<.100	<.10	1.01	--	--	--
FEB													
06-06	4.1	32	.04	.18	.136	.55	<.020	<.100	<.10	.91	--	--	--
MAR													
02...	7.9	88	.12	.05	.040	.85	<.020	<.100	<.10	.93	--	--	--
02...	7.8	92	.12	.06	.050	.86	<.020	<.100	<.10	1.08	240	200	2100
23...	7.3	93	.13	.05	.040	.59	<.020	<.100	<.10	.67	--	--	--
23...	7.3	93	.13	.04	.030	.59	<.020	<.100	<.10	.67	250	220	3450
APR													
07...	7.2	93	.13	.04	.030	.55	<.020	<.100	<.10	.47	210	870	2060
07...	7.3	92	.13	.04	.030	.55	.020	<.100	<.10	.21	--	--	--
MAY													
01-01	5.4	69	.09	.05	.035	.63	.030	<.100	<.10	1.21	--	--	--
MAY													
02-02	3.9	43	.06	.08	.066	.60	.020	<.100	<.10	1.21	--	--	--
MAY													
02-02	3.6	34	.05	.06	.047	.65	.030	<.100	<.10	1.25	--	--	--
MAY													
02-02	4.6	44	.06	.03	.027	.62	<.020	<.100	<.10	.90	--	--	--

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT			
08...	<50.0	<100	20
08...	<50.0	<100	20
22...	<50.0	<100	60
22...	<50.0	<100	60
NOV			
05-05	<50.0	<100	30
NOV			
05-05	<50.0	<100	30
NOV			
06-06	51.9	120	20
JAN			
05...	42.5	100	60
05...	46.6	<100	60
JAN			
09-09	42.1	<100	60
JAN			
09-09	49.4	<100	50
JAN			
09-09	50.9	<100	50
JAN			
09-09	35.0	<100	50
21...	30.8	120	40
21...	52.1	140	50
JAN			
25-25	34.0	<100	50
JAN			
25-25	37.6	200	50
JAN			
25-25	41.4	140	50
JAN			
25-25	<30.0	300	40
FEB			
04...	45.9	<100	40
04...	44.4	120	40
FEB			
06-06	39.3	160	40
FEB			
06-06	36.9	160	30
FEB			
06-06	36.9	210	30
FEB			
06-06	9.3	<100	30
FEB			
06-06	18.9	<100	20
FEB			
06-06	33.7	230	20
MAR			
02...	47.2	200	70
02...	57.0	120	70
23...	49.6	330	70
23...	74.5	260	70
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
APR			
07...	45.0	330	70
07...	27.4	150	70
MAY			
01-01	92.9	110	50
MAY			
02-02	57.2	120	30
MAY			
02-02	62.2	140	20
MAY			
02-02	76.1	180	30

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
MAY													
02-02	0428	0430	9	J	81345	7.55	629	380	--	6.8	--	6.7	63
MAY													
02-02	0558	0600	9	J	81345	6.87	408	320	--	6.7	--	6.5	50
MAY													
03-03	1015	1030	9	J	81345	4.29	36	17	743	8.5	88	7.1	90
MAY													
03-03	1020	1035	9	J	81345	4.29	36	16	743	8.5	88	7.1	90
MAY													
17-17	1856	1858	9	J	81345	5.13	116	--	--	6.5	--	7.0	140
MAY													
17-17	1941	1943	9	J	81345	5.48	157	210	--	6.6	--	7.0	136
MAY													
17-17	2026	2028	9	J	81345	5.48	109	440	--	5.8	--	6.9	109
MAY													
17-17	2111	2113	9	J	81345	5.42	150	330	--	6.2	--	6.8	80
MAY													
17-17	2156	2158	9	J	81345	5.14	117	190	--	6.4	--	6.8	96
MAY													
17-17	2231	2233	9	J	81345	5.02	80	210	--	6.4	--	6.9	103
19...	1055	--	9	9	81345	3.93	14	8.1	752	7.4	86	7.1	128
19...	1100	--	9	9	81345	3.93	14	7.6	752	7.4	86	7.2	128
MAY													
22-22	1740	1742	9	J	81345	6.12	129	--	--	--	--	--	140
MAY													
22-22	1824	1826	9	J	81345	7.24	498	1300	--	4.5	--	6.7	86
MAY													
22-22	1909	1911	9	J	81345	6.85	422	1300	--	5.5	--	6.4	65
MAY													
22-22	2039	2041	9	J	81345	5.86	218	920	--	6.1	--	6.4	64
MAY													
22-22	2209	2211	9	J	81345	5.24	131	--	--	--	--	--	68
JUN													
09-09	2119	2121	9	J	81345	4.06	16	6.9	--	7.4	--	7.2	136
JUN													
09-09	2149	2151	9	J	81345	4.28	35	8.9	--	7.4	--	7.2	135
JUN													
09-09	2219	2221	9	J	81345	4.32	39	13	--	7.4	--	7.2	135
JUN													
09-09	2249	2251	9	J	81345	5.88	212	190	--	7.1	--	7.1	129
JUN													
09-09	2319	2321	9	J	81345	5.96	224	250	--	7.0	--	7.0	119
JUN													
10-10	0049	0051	9	J	81345	5.35	141	440	--	6.7	--	6.8	69
10...	1145	--	9	J	81345	4.17	23	78	752	6.9	83	7.0	79
10...	1155	--	9	J	81345	4.16	23	80	752	7.0	84	7.0	79
AUG													
31...	0840	--	9	9	81345	3.73	5.6	3.0	747	6.6	79	6.5	119
31...	0845	--	9	9	81345	3.73	5.6	3.0	747	6.6	79	6.5	119
SEP													
15...	0945	--	9	9	81345	3.86	7.5	6.6	--	7.8	--	7.3	125

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
MAY													
02-02	19.3	23	--	6.98	1.29	2.37	.3	3.66	24	31.9	M	3.69	8.81
MAY													
02-02	19.2	18	--	5.52	.98	2.34	.4	3.79	28	20.8	M	2.83	6.58
MAY													
03-03	16.0	30	1	9.10	1.81	2.48	.3	4.25	22	28.9	.1	4.66	11.6
MAY													
03-03	16.0	29	.0	8.92	1.72	2.65	.4	4.89	25	29.0	.1	4.68	10.9
MAY													
17-17	22.4	41	--	12.1	2.51	3.83	.6	8.08	28	44.2	.1	8.77	18.4
MAY													
17-17	22.3	47	3	14.4	2.60	3.75	.6	8.93	27	43.8	.1	8.50	23.0
MAY													
17-17	22.4	36	6	11.5	1.82	3.94	.4	6.16	25	29.8	.1	5.85	12.2
MAY													
17-17	22.5	24	2	7.38	1.22	3.34	.4	4.54	26	22.0	.1	4.10	8.98
MAY													
17-17	22.2	29	.0	8.97	1.60	3.83	.5	5.58	26	28.2	.1	5.47	12.2
MAY													
17-17	22.0	31	.0	9.63	1.63	3.86	.4	5.72	26	30.4	.1	5.55	12.2
19...	22.0	40	--	12.1	2.42	2.98	.5	6.78	25	40.5	.1	7.41	17.3
19...	22.0	39	--	11.9	2.36	2.97	.5	6.64	25	40.9	.1	6.99	17.1
MAY													
22-22	23.4	45	--	13.4	2.79	3.00	.6	8.51	27	49.1	.1	8.38	20.0
MAY													
22-22	23.0	25	--	7.83	1.39	2.63	.4	4.62	26	26.6	M	4.09	10.6
MAY													
22-22	22.6	20	5	6.39	.99	2.53	.2	1.73	14	14.8	M	2.13	5.68
MAY													
22-22	22.3	20	6	6.42	.93	2.53	.2	2.26	18	13.6	M	2.10	4.64
MAY													
22-22	22.3	18	4	5.87	.92	2.73	.3	2.92	22	14.3	M	2.51	5.97
JUN													
09-09	23.1	44	--	13.3	2.45	2.77	.5	7.31	25	43.9	.1	8.14	18.1
JUN													
09-09	22.9	48	3	14.7	2.65	3.02	.5	8.16	26	44.8	.1	8.06	19.7
JUN													
09-09	22.8	47	2	14.3	2.61	3.02	.5	8.30	26	44.4	.1	7.99	19.3
JUN													
09-09	22.8	40	3	12.5	2.14	3.05	.5	6.95	26	37.4	.1	6.83	16.5
JUN													
09-09	22.6	37	.0	11.6	2.03	2.81	.5	6.80	27	37.3	.1	6.82	17.1
JUN													
10-10	22.5	21	3	6.62	1.01	2.07	.4	3.90	27	18.2	M	3.44	10.0
10...	24.0	25	5	8.08	1.25	2.40	.4	4.61	26	20.8	M	4.55	10.3
10...	24.0	26	5	8.13	1.29	2.26	.4	4.45	25	21.0	M	4.59	10.2
AUG													
31...	23.0	39	--	12.0	2.29	3.00	.4	6.10	24	39.9	.1	6.2	14.5
31...	23.0	41	.0	12.4	2.38	3.00	.4	6.40	24	39.9	.1	6.4	14.9
SEP													
15...	21.0	--	--	--	--	--	--	--	--	41.2	.1	7.99	--

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
MAY													
02-02	4.2	53	.07	.07	.055	.54	<.020	--	<.100	<.10	.88	--	--
MAY													
02-02	3.4	41	.06	.04	.031	.58	<.020	--	<.100	<.10	.91	--	--
MAY													
03-03	5.1	58	.08	.05	.037	.38	<.020	--	<.100	<.10	.57	1000	2200k
MAY													
03-03	5.1	58	.08	.08	.060	.38	<.020	--	<.100	<.10	.60	--	--
MAY													
17-17	7.0	90	.12	.03	.026	.61	<.020	--	<.100	<.10	1.70	--	--
MAY													
17-17	6.8	97	.13	.03	.027	.67	<.020	--	<.100	<.10	1.87	--	--
MAY													
17-17	8.1	73	.10	.05	.035	1.13	.020	.460	.150	.20	2.78	--	--
MAY													
17-17	5.7	53	.07	.05	.039	.83	<.020	.429	.140	.20	2.68	--	--
MAY													
17-17	5.3	64	.09	.04	.028	.82	.020	.552	.180	.23	2.01	--	--
MAY													
17-17	6.1	68	.09	.03	.027	.86	<.020	.552	.180	.20	1.98	--	--
19...	6.4	82	.11	.10	.075	.46	.020	--	<.100	<.10	.71	--	--
19...	5.9	81	.11	.10	.078	.44	.020	--	<.100	<.10	.56	740	800
MAY													
22-22	6.0	95	.13	.07	.052	.56	<.020	--	<.100	<.10	.69	--	--
MAY													
22-22	7.7	59	.08	.12	.096	.84	.030	--	<.100	<.10	1.17	--	--
MAY													
22-22	7.6	40	.05	.21	.160	.76	.030	--	<.100	<.10	1.14	--	--
MAY													
22-22	7.2	38	.05	.24	.185	.71	.030	--	<.100	<.10	1.07	--	--
MAY													
22-22	7.3	41	.06	.30	.236	.70	.030	--	<.100	<.10	.95	--	--
JUN													
09-09	5.8	87	.12	--	<.020	.53	<.020	--	<.100	<.10	.68	--	--
JUN													
09-09	5.8	92	.12	--	<.020	.56	<.020	--	<.100	<.10	.60	--	--
JUN													
09-09	5.8	91	.12	--	<.020	.60	<.020	--	<.100	<.10	.82	--	--
JUN													
09-09	6.3	81	.11	--	<.020	1.00	<.020	--	<.100	<.10	1.32	--	--
JUN													
09-09	5.4	79	.11	--	<.020	.79	<.020	--	<.100	<.10	.96	--	--
JUN													
10-10	4.1	46	.06	--	<.020	.69	<.020	--	<.100	<.10	.76	--	--
10...	4.7	51	.07	.05	.040	.57	<.020	--	<.100	<.10	.72	7800	16000
10...	4.8	51	.07	.05	.040	.57	<.020	--	<.100	<.10	.83	--	--
AUG													
31...	5.3	76	.10	--	--	.46	<.010	--	--	--	--	--	--
31...	5.4	77	.10	--	--	.46	<.010	--	--	--	--	660	590
SEP													
15...	6.8	--	--	--	<.020	.65	<.020	--	<.100	68.5	--	970	1000

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
MAY 02-02	--	46.0	260	30
MAY 02-02	--	83.6	210	30
MAY 03-03	86600	35.0	170	40
MAY 03-03	--	65.1	180	40
MAY 17-17	--	37.4	<100	60
MAY 17-17	--	43.2	<100	60
MAY 17-17	--	34.8	110	50
MAY 17-17	--	39.7	<100	30
MAY 17-17	--	43.2	130	40
MAY 17-17	--	36.1	130	40
19...	--	42.9	110	60
19...	25700	40.7	120	60
MAY 22-22	--	50.4	330	60
MAY 22-22	--	41.3	180	40
MAY 22-22	--	50.7	<100	30
MAY 22-22	--	41.1	<100	30
MAY 22-22	--	41.1	100	30
JUN 09-09	--	18.3	<100	60
JUN 09-09	--	43.7	<100	70
JUN 09-09	--	12.7	<100	70
JUN 09-09	--	9.4	<100	60
JUN 09-09	--	24.9	<100	60
JUN 10-10	--	<2.5	110	30
10...	242000k	39.0	<100	40
10...	--	12.8	<100	40
AUG 31...	--	--	<50	50
31...	21000	--	<50	60
SEP 15...	23800	--	--	--

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
08...	1001	J	80020	7.35	549	260	749	8.3	6.8	42	18.5	20	<.04
08...	1031	J	80020	6.89	413	240	749	8.4	6.9	43	18.5	16	<.04
22...	0801	9	80020	3.85	10	6.4	755	8.1	7.1	143	16.0	2	<.04
22...	0831	9	80020	3.85	10	5.9	755	8.2	7.1	143	16.0	2	<.04
NOV													
05-05	2106	J	80020	7.52	607	360	--	6.6	6.8	86	20.5	8	<.04
NOV													
05-05	2151	J	80020	8.04	817	360	--	6.6	6.8	70	20.5	13	<.04
NOV													
06-06	0051	J	80020	6.46	313	250	--	6.8	6.6	50	21.0	27	<.04
JAN													
05...	0846	9	80020	4.07	19	6.1	--	9.8	6.6	137	14.0	2	<.04
05...	0856	9	80020	4.06	18	31	--	9.8	6.7	122	14.5	3	<.04
21...	0946	9	80020	4.05	18	5.1	748	13.2	7.3	131	3.5	2	E.02n
21...	1016	9	80020	4.05	18	5.3	748	13.3	7.3	131	3.5	2	<.04
FEB													
04...	0851	J	80020	4.35	32	22	747	13.1	6.9	103	4.5	4	<.04
04...	0921	J	80020	4.35	32	18	747	13.1	6.9	103	4.5	5	<.04
MAR													
02...	1011	9	80020	4.20	26	17	753	10.4	7.3	133	13.0	4	<.04
02...	1031	9	80020	4.18	24	11	753	10.3	7.3	133	13.0	3	<.04
23...	0901	9	80020	4.06	16	10	757	10.7	7.5	143	8.5	3	<.04
23...	0916	9	80020	4.06	16	9.2	757	10.7	7.5	143	8.5	2	<.04
APR													
07...	1331	9	80020	4.04	14	8.3	742	10.9	7.5	144	17.0	4	<.04
07...	1346	9	80020	4.04	14	10	742	11.1	7.5	144	17.0	3	E.04n
MAY													
03-03	1016	J	80020	4.29	36	17	743	8.5	7.1	90	16.0	5	<.04
MAY													
03-03	1021	J	80020	4.29	36	16	743	8.5	7.1	90	16.0	4	<.04
19...	1056	9	80020	3.93	14	8.1	752	7.4	7.1	128	22.0	3	<.04
19...	1101	9	80020	3.93	14	7.6	752	7.4	7.2	128	22.0	3	<.04
MAY													
22-22	1741	J	80020	6.12	129	--	--	--	--	140	23.4	4	<.04
MAY													
22-22	1825	J	80020	7.24	498	1300	--	4.5	6.7	86	23.0	4	<.04
MAY													
22-22	1910	J	80020	6.85	422	1300	--	5.5	6.4	65	22.6	29	E.03n
MAY													
22-22	2040	J	80020	5.86	218	920	--	6.1	6.4	64	22.3	59	E.03n
MAY													
22-22	2210	J	80020	5.24	131	--	--	--	--	68	22.3	42	E.02n
JUN													
10...	1146	J	80020	4.17	24	78	752	6.9	7.0	79	24.0	5	<.04
10...	1156	J	80020	4.16	23	80	752	7.0	7.0	79	24.0	5	<.04
AUG													
31...	0841	9	80020	3.73	5.6	3.0	747	6.6	6.5	119	23.0	2	E.04n
31...	0846	9	80020	3.73	5.6	3.0	747	6.6	6.5	119	23.0	2	<.04
SEP													
15...	0946	9	80020	3.86	7.5	6.6	--	7.8	7.3	125	21.0	2	<.04

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
08...	<.8	1.7	.21	94.4	.35	<.2	6.3
08...	<.8	1.7	.18	89.6	.39	<.2	6.5
22...	<.8	.8	<.08	138	.71	<.2	4.2
22...	<.8	.8	<.08	132	.76	<.2	3.7
NOV							
05-05	<.8	1.8	.12	28.7	.47	<.2	5.6
NOV							
05-05	<.8	2.1	.16	48.3	.61	<.2	7.1
NOV							
06-06	<.8	2.2	.23	13.5	.45	<.2	7.3
JAN							
05...	<.8	.8	.09	132	.58	<.2	5.5
05...	<.8	.9	E.07n	131	.59	<.2	7.0
21...	<.8	.7	E.07n	167	.48	<.2	11.2
21...	<.8	.9	E.07n	170	.52	<.2	10.6
FEB							
04...	<.8	1.1	.09	72.9	.45	<.2	11.0
04...	<.8	1.9	.14	71.7	.48	<.2	11.4
MAR							
02...	<.8	1.0	E.07n	141	2.42	<.2	8.9
02...	<.8	.9	E.05n	144	.55	<.2	8.3
23...	<.8	.9	.10	181	1.03	<.2	7.1
23...	<.8	.8	.09	185	.53	<.2	7.2
APR							
07...	<.8	1.1	.08	151	3.77	<.2	4.5
07...	<.8	1.1	E.07n	150	.46	<.2	3.9
MAY							
03-03	<.8	1.6	.19	73.1	.51	<.2	4.6
MAY							
03-03	<.8	1.7	.18	80.7	.49	<.2	7.2
19...	<.8	1.4	.12	166	1.24	<.2	3.6
19...	<.8	1.6	.12	179	1.54	<.2	3.9
MAY							
22-22	<.8	1.6	.08	23.9	.60	<.2	2.7
MAY							
22-22	<.8	1.6	E.07n	80.0	.61	<.2	8.4
MAY							
22-22	<.8	2.1	.20	134	.82	<.2	9.4
MAY							
22-22	<.8	2.1	.31	99.9	.57	<.2	10.5
MAY							
22-22	<.8	2.3	.25	58.8	.97	<.2	8.8
JUN							
10...	<.8	1.9	E.08n	57.1	.41	<.2	3.9
10...	<.8	1.9	E.07n	60.0	.37	<.2	3.6
AUG							
31...	<.8	1.5	<.08	187	.58	<.2	3.2
31...	<.8	2.7	<.08	193	.60	<.2	2.5
SEP							
15...	<.8	.9	<.08	164	.38	<.2	2.7

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Discharge, cfs (00060)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)
OCT													
22...	0801	--	80020	3.85	10	6.4	755	8.1	83	7.1	143	16.0	<.5
JAN													
05...	0846	--	80020	4.07	19	6.1	--	9.8	96	6.6	137	14.0	<.5
21...	1016	--	80020	4.05	18	5.3	748	13.3	102	7.3	131	3.5	<.5
FEB													
04...	0921	--	80020	4.35	32	18	747	13.1	103	6.9	103	4.5	<.5
MAR													
02...	1031	--	80020	4.18	24	11	753	10.3	99	7.3	133	13.0	<.5
23...	0916	--	80020	4.06	16	9.2	757	10.7	92	7.5	143	8.5	<.5
APR													
07...	1331	--	80020	4.04	14	8.3	742	10.9	116	7.5	144	17.0	<.5
MAY													
03-03	1016	1031	80020	4.29	36	17	743	8.5	88	7.1	90	16.0	<.5
19...	1101	--	80020	3.93	14	7.6	752	7.4	86	7.2	128	22.0	<.5
JUN													
10...	1146	--	80020	4.17	24	78	752	6.9	83	7.0	79	24.0	<.5
AUG													
31...	0846	--	80020	3.73	5.6	3.0	747	6.6	79	6.5	119	23.0	<.5
SEP													
15...	0946	--	80020	3.86	7.5	6.6	--	7.8	--	7.3	125	21.0	<.5

Date	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)
OCT													
22...	<.5	<.5	<.5	M	<1	<5	<1	<1	E1	<1	<2	<.5	<.5
JAN													
05...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
21...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.1	<.5
FEB													
04...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.1	<.5
MAR													
02...	<.5	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
23...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	E.1
APR													
07...	<.5	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
MAY													
03-03	<.5	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	E.1	<.5
19...	<.5	<.5	<.5	E1	<1	<5	<1	<1	E2	<1	<2	E.2	<.5
JUN													
10...	<.5	<.5	<.5	M	<1	<5	<1	<1	E1	M	<2	E.2	<.5
AUG													
31...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
SEP													
15...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT													
22...	<.5	<.5	<.5	<.5	M	E1	<1	.5	E.1	<.5	<1	<.5	<.5
JAN													
05...	M	<.5	<.5	E.1	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5
21...	M	<.5	<.5	<.5	<2	<2	<1	E.3	E.1	<.5	<1	<.5	<.5
FEB													
04...	M	<.5	<.5	E.1	<2	<2	<1	<.5	E.2	<.5	<1	<.5	<.5
MAR													
02...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5
23...	M	<.5	<.5	M	<2	M	<1	.6	E.2	<.5	<1	<.5	<.5
APR													
07...	M	<.5	<.5	<.5	<2	<2	M	<.5	E.1	M	<1	<.5	<.5
MAY													
03-03	<.5	<.5	<.5	E.1	E1	<2	<1	.6	E.2	M	<1	M	<.5
19...	<.5	<.5	<.5	<.5	2	2	<1	6.0	E.2	E.1	<1	<.5	<.5
JUN													
10...	M	E.1	<.5	E.1	E1	E2	M	.6	E.3	M	M	E.1	<.5
AUG													
31...	<.5	<.5	<.5	E.1t	<2	<2	<1	<.5	E.1t	<.5	<1	<.5	<.5
SEP													
15...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.1t	<.5	<1	<.5	<.5

Date	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)
OCT													
22...	M	<1.00	E.1	<.5	E4	M	<.5	M	<.5	<.5	<.5	<.5	<.5
JAN													
05...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	<.5
21...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
FEB													
04...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
MAR													
02...	M	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
23...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
APR													
07...	E1	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
MAY													
03-03	E2	<1.00	E.1	<.5	E3	M	<.5	M	M	<.5	<.5	<.5	M
19...	2	<1.00	E.1	<.5	E4	M	<.5	M	M	<.5	<.5	<.5	<.5
JUN													
10...	E1	E.2200	E.2	E.1	E6	M	<.5	M	E.1	<.5	M	<.5	M
AUG													
31...	<2	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP													
15...	<2	<1.00	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)
OCT													
22...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
JAN													
05...	<.5	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	M
21...	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	<.5	E.3	<.5	<.5
FEB													
04...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
MAR													
02...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	1.1	<.5	<.5
23...	<.5	<.5	<.5	<.5	<.5	<.5	M	<1	<2	<.5	.7	<.5	<.5
APR													
07...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
MAY													
03-03	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	.6	<.5	M
19...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	.7	<.5	M
JUN													
10...	<.5	<.5	<.5	<.5	M	<.5	<.5	M	<2	M	E.5	E.1	E.1
AUG													
31...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
SEP													
15...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	1.8	<.5	<.5

Date	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT										
22...	<.5	<.5	<.5	<1	<.5	<.5	<.5	E.1	<.5	<1.00
JAN										
05...	<.5	<.5	E.1	<1	<.5	M	E.3	E.1	E.1	<1.00
21...	<.5	<.5	E.1	<1	<.5	M	E.3	E.1	E.1	<1.00
FEB										
04...	<.5	<.5	E.2	<1	<.5	E.1	E.4	E.1	E.1	<1.00
MAR										
02...	<.5	<.5	<.5	<1	<.5	<.5	E.4	<.5	E.1	<1.00
23...	<.5	<.5	E.1	<1	<.5	<.5	E.3	E.1	E.1	<1.00
APR										
07...	<.5	<.5	E.1	<1	<.5	<.5	E.2	E.1	E.1	<1.00
MAY										
03-03	M	<.5	E.1	<1	<.5	E.1	.5	E.1	E.1	<1.00
19...	M	<.5	E.2	<1	<.5	E.1	.6	E.2	E.2	<1.00
JUN										
10...	<.5	<.5	E.1	<1	<.5	E.1	E.5	E.1	E.2	<1.00
AUG										
31...	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u
SEP										
15...	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
08...	1050	--	1	J	81350	6.67	391	260	749	--	--	6.6	44
08...	1115	--	1	J	81350	6.39	319	250	749	--	--	6.6	45
22...	0845	--	1	9	81350	3.85	10	5.9	755	8.2	84	7.1	143
NOV													
05-05	2105	2107	1	J	81350	7.52	607	360	--	6.6	--	6.8	86
NOV													
05-05	2150	2152	1	J	81350	8.02	817	360	--	6.6	--	6.8	70
NOV													
06-06	0050	0052	1	J	81350	6.46	313	250	--	6.8	--	6.6	50
JAN													
05...	0835	--	1	9	81350	4.06	18	5.5	--	9.8	--	6.7	122
21...	0947	--	1	9	81350	4.05	18	5.1	748	13.2	101	7.3	131
FEB													
04...	0852	--	1	J	81350	4.35	32	22	747	13.1	103	6.9	103
MAR													
02...	1012	--	1	9	81350	4.20	24	17	753	10.4	100	7.3	133
23...	0902	--	1	9	81350	4.06	16	10	757	10.7	92	7.5	143
APR													
07...	1445	--	1	9	81350	4.04	14	10	742	11.1	118	7.5	144
MAY													
03-03	1022	1037	1	J	81350	4.29	36	16	743	8.5	88	7.1	90
19...	1057	--	1	9	81350	3.93	14	8.1	752	7.4	86	7.1	128
MAY													
22-22	1742	1744	1	J	81350	6.12	258	--	--	--	--	--	140
MAY													
22-22	1826	1828	1	J	81350	7.24	560	1300	--	4.5	--	6.7	86
MAY													
22-22	1911	1913	1	J	81350	6.85	440	1300	--	5.5	--	6.4	65
MAY													
22-22	1956	1958	1	J	81350	6.29	296	1200	--	5.9	--	6.5	63
MAY													
22-22	2041	2043	1	J	81350	5.86	206	920	--	6.1	--	6.4	64
MAY													
22-22	2126	2128	1	J	81350	5.50	145	740	--	6.2	--	6.5	65
MAY													
22-22	2211	2213	1	J	81350	5.24	110	620	--	--	--	--	68
MAY													
22-22	2256	2258	1	J	81350	5.03	86	520	--	6.4	--	6.6	70

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
08...	18.4	10	1.1	6.4	520	2	.5	47	18	39	4.7	58	31
08...	18.4	13	1.2	6.0	530	3	.5	47	18	44	4.9	57	35
22...	16.0	7.3	1.4	6.6	560	2	.3	58	24	40	5.5	39	23
NOV													
05-05	20.5	8.7	1.3	4.0	640	2	.3	41	19	37	4.0	53	28
NOV													
05-05	20.5	8.3	1.4	3.4	610	2	.2	30	17	37	3.5	45	24
NOV													
06-06	21.0	9.3	1.4	4.6	600	2	.2	33	17	37	3.9	42	28
JAN													
05...	14.5	6.5	6.0	5.3	620	2	1.1	180	40	60	6.8	73	20
21...	3.5	8.3	3.5	5.6	900	2	.7	110	17	52	7.6	220	25
FEB													
04...	4.5	10	1.6	7.9	500	2	.6	62	15	58	5.9	65	33
MAR													
02...	13.0	7.2	1.0	3.9	440	2	.2	63	17	210	6.5	61	27
23...	8.5	8.2	1.2	5.8	450	2	.5	86	21	330	7.4	50	31
APR													
07...	17.0	6.2	1.8	6.9	400	2	<.2	490	16	47	8.4	34	26
MAY													
03-03	16.0	7.8	.6	5.4	440	2	.3	--o	15	44	4.7	48	26
19...	22.0	8.3	3.6	7.8	510	2	.4	98	18	53	6.5	60	16
MAY													
22-22	23.4	7.5	2.2	3.3	630	2	.3	36	19	35	4.2	47	14
MAY													
22-22	23.0	9.8	2.0	3.9	560	2	.5	40	18	43	4.8	47	23
MAY													
22-22	22.6	12	3.0	6.2	520	2	.2	42	17	48	5.2	48	22
MAY													
22-22	22.3	12	2.3	5.2	500	3	.4	45	18	54	5.5	51	25
MAY													
22-22	22.3	12	2.5	5.3	500	3	.2	46	17	54	5.6	53	23
MAY													
22-22	22.3	13	2.5	5.7	490	3	.3	51	18	56	5.6	53	26
MAY													
22-22	22.3	12	3.0	5.7	460	2	.1	45	16	52	5.3	52	21
MAY													
22-22	22.3	12	3.2	7.9	450	2	.1	46	15	54	5.3	48	21

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
08...	1800	.08	3	18	M	M	59	<50	.300	94	240	<50	9
08...	2000	.09	3	20	M	<.5	61	<50	.370	110	270	<50	8
22...	8000	.06	6	34	M	1	160	<50	.250	77	310	<50	.8
NOV													
05-05	3200	.06	3	18	M	<.5	100	<50	.320	91	260	<50	557
NOV													
05-05	2200	.05	3	22	M	<.5	93	<50	.300	87	250	<50	695
NOV													
06-06	1700	<.01	5	17	M	<.5	85	<50	.340	98	280	<50	391
JAN													
05...	14000	--o	17	96	M	<1	78	<100	.280	84	840	<100	2
21...	2200	.18	8	36	M	<2	82	<150	.310	95	450	<150	3
FEB													
04...	1400	.08	5	25	M	<1	56	<100	.330	120	310	<100	10
MAR													
02...	2300	.10	5	25	1	<1	86	<100	.280	86	360	<100	4
23...	3300	--o	6	38	1	<1	50	<100	.320	110	460	<100	3
APR													
07...	2800	.16	55	290	1	<1	220	<100	.240	76	390	<100	2
MAY													
03-03	1600	.19	--o	--o	1	<1	90	<100	.320	93	230	<100	11
19...	4000	.15	13	55	1	<1	130	<100	.310	96	360	<100	4
MAY													
22-22	6200	.06	4	17	M	<1	120	<100	.320	82	270	<100	813
MAY													
22-22	3000	.06	5	17	M	<.5	73	<50	.340	100	340	<50	2160
MAY													
22-22	1900	.07	6	20	1	<1	59	<100	.380	110	290	<100	1610
MAY													
22-22	1900	.08	6	20	1	<1	63	<100	.400	120	310	<100	1080
MAY													
22-22	1800	.09	7	21	1	<1	67	<100	.400	130	330	<100	808
MAY													
22-22	1900	.07	7	21	1	<1	77	<100	.410	120	300	<100	623
MAY													
22-22	1700	.13	7	20	1	<1	81	<100	.380	120	290	<100	518
MAY													
22-22	1600	.13	8	21	1	<1	90	<100	.380	130	300	<100	404

02336120 N.F. PEACHTREE CREEK AT BUFORD HWY, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
JUN													
10...	1157	--	1	J	81350	4.16	23	80	752	7.0	84	7.0	79
JUL													
24-24	1928	1930	1	J	81350	6.51	323	540	--	6.2	--	6.8	83
AUG													
31...	0842	--	1	9	81350	3.73	5.6	3.0	747	6.6	79	6.5	119
SEP													
15...	0947	--	1	9	81350	3.86	7.5	6.6	--	7.8	--	7.3	125

Date	Temper-ature, water, deg C (00010)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
JUN													
10...	24.0	16	1.7	6.4	340	3	.4	60	15	44	5.9	59	41
JUL													
24-24	26.1	9.5	1.9	4.8	560	3	.3	46	19	52	4.4	62	33
AUG													
31...	23.0	8.7	2.1	10	430	2	.6	390	18	62	8.1	58	29
SEP													
15...	21.0	8.3	1.1	8.3	460	2	.4	78	15	42	7.8	45	29

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
JUN													
10...	1300	.28	11	36	M	<.5	34	<50	.400	110	320	<50	31
JUL													
24-24	2400	.10	2	23	1	<.5	91	<50	.410	100	330	<50	655
AUG													
31...	3300	.10	43	240	2	<1	140	<100	.360	110	360	<100	2
SEP													
15...	2700	.18	8	37	1	<1	190	<100	.350	94	330	<100	3

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this table:
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL
t -- Below the long-term MDL

Null value qualifier codes used in this table:
u -- Unable to determine-matrix interference
o -- Insufficient amount of water

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA

LOCATION.—Lat 33°46'46", long 84°19'59", referenced to North American Datum (NAD) of 1927, DeKalb County, Hydrologic Unit Code 03130001, at culvert on LULLWATER Parkway, 0.7 miles upstream of Peavine Creek, 0.4 miles northeast of US 23, GA 8, and 0.7 miles east of the DeKalb County line.

DRAINAGE AREA.—6.48 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—September 4, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)
OCT													
16...	1120	--	9	9	81345	3.45	--	1.3	1.9	742	9.3	91	7.3
16...	1140	--	9	9	81345	3.45	--	1.3	1.9	742	9.3	91	7.3
JAN													
05...	1010	--	9	9	81345	3.54	--	2.4	5.5	--	9.6	95	6.8
05...	1025	--	9	9	81345	3.54	--	2.4	3.8	--	9.6	95	6.8
21...	1545	--	9	9	81345	3.55	--	.89	1.1	744	13.4	116	7.5
21...	1615	--	9	9	81345	3.55	--	.89	2.4	744	13.3	115	7.5
FEB													
02...	1125	--	9	9	81345	3.46	--	1.7	1.7	739	12.4	105	7.2
02...	1150	--	9	9	81345	3.46	--	1.7	1.3	739	12.4	105	7.2
MAR													
02...	1200	--	9	9	81345	--	--	1.2	3.2	754	13.8	138	8.1
02...	1215	--	9	9	81345	--	--	1.2	4.2	754	14.0	141	8.1
23...	1330	--	9	9	81345	3.47	--	1.0	2.9	759	13.9	134	8.6
23...	1345	--	9	9	81345	3.47	--	1.0	2.7	759	13.9	134	8.7
APR													
07...	0940	--	9	9	81345	3.46	--	.96	2.4	742	11.5	115	7.5
07...	0955	--	9	9	81345	3.46	--	.96	2.4	742	11.5	115	7.5
MAY													
04...	1230	--	9	9	81345	3.47	--	1.0	3.3	746	9.6	96	7.3
04...	1245	--	9	9	81345	3.47	--	1.0	3.0	746	9.5	95	7.3
17...	0815	--	9	9	81345	3.39	--	.84	1.9	752	8.1	89	7.1
17...	0830	--	9	9	81345	3.39	--	.84	1.7	752	7.9	87	7.1
JUN													
07...	1015	--	9	9	81345	3.45	--	.57	3.3	747	7.8	89	7.3
07...	1020	--	9	9	81345	3.45	--	.57	6.1	747	7.9	91	7.3
JUL													
13...	0940	--	9	9	81345	3.43	--	.54	9.2	744	8.1	97	7.3
13...	0945	--	9	9	81345	3.43	--	.54	9.2	744	8.1	97	7.3
AUG													
06...	0755	--	9	J	81345	3.40	--	.59	23	743	7.1	84	6.9
06...	0800	--	9	J	81345	3.40	--	.59	22	746	7.0	83	6.1
SEP													
16-16	1245	1250	9	J	81345	3.79	17	--	150	--	7.1	--	6.6
SEP													
16-16	1315	1320	9	J	81345	4.43	43	--	140	--	7.6	--	6.7
SEP													
16-16	1445	1450	9	J	81345	4.54	49	--	120	--	7.7	--	6.7
SEP													
16-16	1545	1550	9	J	81345	5.61	175	--	--	--	8.2	--	6.5
22...	1030	--	9	9	81345	3.45	--	.60	1.9	743	8.6	92	7.3

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)
OCT													
16...	170	14.0	56	13	15.1	4.46	3.22	.5	8.78	24	43.5	.1	11.2
16...	171	14.5	55	12	14.9	4.38	3.12	.5	8.74	24	43.4	M	11.0
JAN													
05...	169	15.0	82	13	23.6	5.49	3.92	.7	14.2	26	68.6	M	16.5
05...	172	15.0	56	7	16.5	3.59	2.85	.6	10.6	28	49.0	M	12.1
21...	163	8.0	79	15	22.7	5.37	3.81	.7	14.0	27	63.8	.1	14.8
21...	166	8.0	82	82	23.5	5.52	3.88	.7	14.3	26	-.2	M	16.4
FEB													
02...	166	7.0	54	14	14.2	4.50	2.44	.5	7.72	23	39.7	<.02	11.2
02...	164	7.0	54	15	14.3	4.54	2.49	.5	7.97	23	39.7	<.02	11.1
MAR													
02...	160	15.0	62	24	16.7	4.77	2.66	.4	7.85	21	37.6	<.02	12.7
02...	160	15.1	61	23	17.1	4.30	2.82	.5	8.41	22	37.6	<.02	11.8
23...	156	13.5	55	18	15.0	4.29	2.59	.5	8.74	25	36.8	<.02	13.1
23...	158	13.5	54	17	14.7	4.14	2.63	.5	8.89	25	36.8	<.02	13.2
APR													
07...	162	14.0	53	12	14.1	4.21	2.56	.5	8.67	25	40.3	.1	11.6
07...	162	14.0	52	12	13.8	4.15	2.56	.5	8.54	25	39.8	.1	11.7
MAY													
04...	165	14.5	56	16	15.3	4.35	3.03	.4	7.22	21	40.1	.1	11.7
04...	161	14.5	49	10	13.5	3.77	2.91	.5	7.27	23	39.9	.1	11.5
17...	165	19.5	51	12	13.8	4.10	2.92	.5	8.42	25	39.0	.1	11.5
17...	165	19.5	64	25	18.1	4.53	3.54	.6	11.8	27	39.3	.1	11.5
JUN													
07...	354	20.5	51	8	14.6	3.44	3.80	2	39.0	60	42.7	<.02	59.8
07...	354	21.0	58	15	16.5	3.91	3.98	2	41.3	59	42.7	<.02	61.7
JUL													
13...	192	23.0	52	12	14.6	3.80	2.99	.6	9.56	27	39.8	.1	12.5
13...	193	23.0	53	13	14.6	3.90	3.00	.6	9.32	26	39.8	.1	12.5
AUG													
06...	152	22.5	42	10	12.9	2.32	4.08	.6	9.58	31	31.6	<.01	15.5
06...	153	22.8	44	--	13.6	2.42	3.98	.6	9.71	30	.0	<.01	15.6
SEP													
16-16	102	22.0	--	--	--	--	--	--	--	--	25.0	<.02	4.80
SEP													
16-16	61	22.5	--	--	--	--	--	--	--	--	18.2	<.02	3.07
SEP													
16-16	50	23.0	--	--	--	--	--	--	--	--	11.7	<.02	1.27
SEP													
16-16	--	22.5	--	--	--	--	--	--	--	--	13.0	<.02	.90
22...	179	17.5	--	--	--	--	--	--	--	--	45.5	.1	8.25

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/100 mL (50468)
OCT													
16...	23.4	13.9	114	.15	--	<.020	1.65	<.020	--	<.100	<.10	1.93	--
16...	22.2	13.5	111	.15	--	<.020	1.60	<.020	--	<.100	<.10	1.81	290
JAN													
05...	20.7	26.7	158	.21	--	<.020	1.15	<.020	--	<.100	<.10	1.47	9400
05...	23.1	18.6	122	.17	--	<.020	1.18	<.020	--	<.100	<.10	1.80	--
21...	20.8	28.6	153	.21	--	<.020	1.05	<.020	--	<.100	<.10	1.89	1400
21...	19.9	26.4	115	.16	--	<.020	1.14	<.020	--	<.100	.21	1.95	--
FEB													
02...	18.3	14.0	104	.14	--	<.020	1.73	<.020	--	<.100	<.10	1.94	780
02...	18.4	14.2	105	.14	--	<.020	1.70	<.020	--	<.100	<.10	2.00	--
MAR													
02...	11.6	14.9	101	.14	.05	.040	1.53	<.020	--	<.100	<.10	1.76	--
02...	17.6	12.0	103	.14	--	<.020	1.39	<.020	--	<.100	<.10	1.51	860
23...	18.3	14.4	105	.14	--	<.020	1.46	<.020	--	<.100	<.10	1.46	2200
23...	18.0	14.6	105	.14	--	<.020	1.47	<.020	--	<.100	<.10	1.48	--
APR													
07...	18.2	14.6	104	.14	.03	.020	1.20	.020	--	<.100	<.10	1.07	280
07...	18.6	14.7	104	.14	.04	.033	1.21	.030	--	<.100	<.10	1.49	--
MAY													
04...	21.9	16.0	110	.15	--	<.020	1.51	<.020	--	<.100	<.10	3.06	--
04...	19.3	15.4	104	.14	.07	.054	1.46	<.020	--	<.100	<.10	1.73	7300
17...	20.5	13.7	105	.14	.04	.030	1.39	.030	--	<.100	<.10	1.71	--
17...	29.1	13.7	122	.17	.05	.038	1.39	.020	--	<.100	<.10	1.75	830
JUN													
07...	16.3	15.6	185	.25	.15	.120	1.45	<.020	--	<.100	.10	3.50	490
07...	17.9	15.2	193	.26	.19	.150	1.44	<.020	--	<.100	<.10	3.38	--
JUL													
13...	17.8	13.4	105	.14	.03	.020	1.33	<.010	--	<.050	<.050	--	--
13...	18.5	13.4	105	.14	.03	.020	1.34	<.010	--	<.050	<.050	--	1200
AUG													
06...	11.6	7.9	86	.12	--	--	.72	<.010	--	--	--	--	--
06...	12.0	8.2	--	--	--	--	.82	<.010	--	--	--	--	11000
SEP													
16-16	--	9.2	--	--	.06	.050	.56	.030	--	<.100	<.10	--	140000
SEP													
16-16	--	6.5	--	--	--	<.020	.42	<.020	--	<.100	<.10	--	88000
SEP													
16-16	--	4.5	--	--	.03	.020	.35	.020	2.61	.850	1.03	--	46000k@
SEP													
16-16	--	2.7	--	--	--	<.020	.30	<.020	--	<.100	<.10	--	50000
22...	--	9.8	--	--	.18	.140	.62	<.020	--	<.100	<.10	--	580

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT						
16...	--	--	69.0	<100	70	--
16...	250k	19700	69.2	<100	70	--
JAN						
05...	E5100k	20500	38.3	130	110	--
05...	--	--	31.7	120	90	--
21...	390	8000	39.9	130	110	--
21...	--	--	52.8	130	110	--
FEB						
02...	320	3100	41.2	<100	70	--
02...	--	--	58.4	<100	70	--
MAR						
02...	--	--	22.6	<100	80	--
02...	460	4300	53.1	<100	80	--
23...	210	8000	48.7	<100	80	--
23...	--	--	45.6	<100	80	--
APR						
07...	360	7600	55.6	<100	70	--
07...	--	--	47.5	<100	70	--
MAY						
04...	--	--	46.9	<100	80	--
04...	5200	61000	36.8	<100	70	--
17...	--	--	48.4	<100	70	--
17...	590	18000	69.5	<100	90	--
JUN						
07...	540	24000	56.3	<100	80	--
07...	--	--	73.8	<100	90	--
JUL						
13...	--	--	--	<50	70	--
13...	930	23000	--	<50	70	--
AUG						
06...	--	--	--	<50	50	--
06...	29000	>240000k	--	<50	60	--
SEP						
16-16	250000	9800000	--	--	--	--
SEP						
16-16	220000k	7700000	--	--	--	--
SEP						
16-16	60000k@	2400000k@	--	--	--	--
SEP						
16-16	110000k	6900000	--	--	--	--
22...	370	24000	--	--	--	--u

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)
OCT													
16...	1121	9	80020	3.45	--	1.3	1.9	742	9.3	7.3	170	14.0	2
16...	1141	9	80020	3.45	--	1.3	1.9	742	9.3	7.3	171	14.5	2
JAN													
05...	1011	9	80020	3.54	--	2.4	5.5	--	9.6	6.8	169	15.0	2
05...	1026	9	80020	3.54	--	2.4	3.8	--	9.6	6.8	172	15.0	3
21...	1546	9	80020	3.55	--	.89	1.1	744	13.4	7.5	163	8.0	3
21...	1616	9	80020	3.55	--	.89	2.4	744	13.3	7.5	166	8.0	3
FEB													
02...	1126	9	80020	3.46	--	1.7	1.7	739	12.4	7.2	166	7.0	3
02...	1151	9	80020	3.46	--	1.7	1.3	739	12.4	7.2	164	7.0	3
MAR													
02...	1201	9	80020	--	--	1.2	3.2	754	13.8	8.1	160	15.0	6
02...	1216	9	80020	--	--	1.2	4.2	754	14.0	8.1	160	15.1	6
23...	1331	9	80020	3.47	--	1.0	2.9	759	13.9	8.6	156	13.5	5
23...	1346	9	80020	3.47	--	1.0	2.7	759	13.9	8.7	158	13.5	6
APR													
07...	0941	9	80020	3.46	--	.96	2.4	742	11.5	7.5	162	14.0	3
07...	0956	9	80020	3.46	--	.96	2.4	742	11.5	7.5	162	14.0	3
MAY													
04...	1231	9	80020	3.47	--	1.0	3.3	746	9.6	7.3	165	14.5	3
04...	1246	9	80020	3.47	--	1.0	3.0	746	9.5	7.3	161	14.5	3
17...	0816	9	80020	3.39	--	.84	1.9	752	8.1	7.1	165	19.5	4
17...	0831	9	80020	3.39	--	.84	1.7	752	7.9	7.1	165	19.5	3
JUN													
07...	1016	9	80020	3.45	--	.57	3.3	747	7.8	7.3	354	20.5	5
07...	1021	9	80020	3.45	--	.57	6.1	747	7.9	7.3	354	21.0	5
JUL													
13...	0941	9	80020	3.43	--	.54	9.2	744	8.1	7.3	192	23.0	3
13...	0946	9	80020	3.43	--	.54	9.2	744	8.1	7.3	193	23.0	3
AUG													
06...	0756	J	80020	3.40	--	.59	23	744	7.1	6.1	152	22.6	9
06...	0801	J	80020	3.40	--	.59	22	747	7.0	6.1	153	22.9	12
SEP													
16-16	1246	J	80020	3.79	17	--	150	--	7.1	6.6	102	22.0	114
SEP													
16-16	1316	J	80020	4.43	43	--	140	--	7.6	6.7	61	22.5	84
SEP													
16-16	1446	J	80020	4.54	49	--	120	--	7.7	6.7	50	23.0	120
SEP													
16-16	1546	J	80020	5.61	175	--	--	--	8.2	6.5	--	22.5	190
22...	1031	9	80020	3.45	--	--	1.9	743	8.6	7.3	179	17.5	2

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT								
16...	<.04	E.5n	1.2	<.08	7.4	.51	<.2	6.1
16...	<.04	<.8	1.3	E.05n	6.7	.53	<.2	7.6
JAN								
05...	<.04	<.8	1.1	.08	41.8	.70	<.2	7.3
05...	<.04	<.8	1.2	E.07n	42.8	.76	<.2	11.7
21...	<.04	<.8	1.2	.09	25.0	.59	<.2	8.0
21...	<.04	<.8	1.1	.09	23.4	.59	<.2	7.8
FEB								
02...	<.04	<.8	1.9	.10	36.9	.61	<.2	9.9
02...	<.04	<.8	1.2	.09	37.1	.63	<.2	10.2
MAR								
02...	<.04	<.8	1.5	.10	22.6	.64	<.2	4.6
02...	<.04	<.8	1.4	.10	24.9	.64	<.2	4.7
23...	<.04	<.8	1.4	.11	13.0	.83	<.2	5.9
23...	<.04	<.8	1.3	.12	12.3	.48	<.2	3.4
APR								
07...	<.04	<.8	1.3	.10	21.1	.50	<.2	5.3
07...	<.04	<.8	1.2	.11	20.5	.51	<.2	5.9
MAY								
04...	<.04	<.8	1.4	.15	18.2	.63	<.2	6.9
04...	<.04	<.8	1.3	.14	21.0	.64	<.2	7.0
17...	<.04	<.8	1.4	.13	14.6	.64	<.2	5.5
17...	<.04	<.8	1.4	.11	14.7	.60	<.2	5.6
JUN								
07...	<.04	E.4n	2.1	.13	9.7	.56	<.2	5.0
07...	<.04	<.8	2.0	.10	8.6	.54	<.2	4.8
JUL								
13...	<.04	<.8	1.5	<.08	9.3	.46	<.2	6.3
13...	<.04	<.8	2.1	.13	9.9	.54	<.2	5.9
AUG								
06...	<.04	E.4n	4.8	.27	9.1	.72	<.2	10.7
06...	E.02n	E.7n	4.9	.32	8.5	.72	<.2	9.8
SEP								
16-16	.07	.8	14.0	2.93	127	1.44	<.2	31.9
SEP								
16-16	.04	E.7n	7.9	1.94	70.2	.90	<.2	19.0
SEP								
16-16	.04	.9	5.9	1.75	24.9	.56	<.2	12.4
SEP								
16-16	E.02n	.9	5.1	1.27	20.9	.50	<.2	8.2
22...	<.04	<.8	1.1	<.08	18.5	.45	<.2	6.4

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Discharge, cfs (00060)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT													
16...	1141	--	80020	3.45	--	1.3	1.9	742	9.3	91	7.3	171	14.5
JAN													
05...	1011	--	80020	3.54	--	2.4	5.5	--	9.6	95	6.8	169	15.0
21...	1546	--	80020	3.55	--	.89	1.1	744	13.4	116	7.5	163	8.0
FEB													
02...	1126	--	80020	3.46	--	1.7	1.7	739	12.4	105	7.2	166	7.0
MAR													
02...	1216	--	80020	--	--	1.2	4.2	754	14.0	141	8.1	160	15.1
23...	1331	--	80020	3.47	--	1.0	2.9	759	13.9	134	8.6	156	13.5
APR													
07...	0941	--	80020	3.46	--	.96	2.4	742	11.5	115	7.5	162	14.0
MAY													
04...	1246	--	80020	3.47	--	1.0	3.0	746	9.5	95	7.3	161	14.5
17...	0831	--	80020	3.39	--	.84	1.7	752	7.9	87	7.1	165	19.5
JUN													
07...	1016	--	80020	3.45	--	.57	3.3	747	7.8	89	7.3	354	20.5
JUL													
13...	0946	--	80020	3.43	--	.54	9.2	744	8.1	97	7.3	193	23.0
AUG													
06...	0801	--	80020	3.40	--	.59	22	747	7.0	83	6.1	153	22.9
SEP													
16-16	1246	1251	80020	3.79	17	--	150	--	7.1	--	6.6	102	22.0
SEP													
16-16	1316	1321	80020	4.43	43	--	140	--	7.6	--	6.7	61	22.5
SEP													
16-16	1446	1451	80020	4.54	49	--	120	--	7.7	--	6.7	50	23.0
SEP													
16-16	1546	1551	80020	5.61	175	--	--	--	8.2	--	6.5	--	22.5
22...	1031	--	80020	3.45	--	.60	1.9	743	8.6	92	7.3	179	17.5

Date	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)
OCT													
16...	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5
JAN													
05...	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	E.1
21...	E.1	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5
FEB													
02...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5
MAR													
02...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5
23...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5
APR													
07...	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5
MAY													
04...	E.1	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5
17...	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5
JUN													
07...	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	E1	<1	<2	<.5
JUL													
13...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5
AUG													
06...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.3t
SEP													
16-16	<.5	<.5	<.5	<.5	E1t	<1	<5	<1	<1	E2t	<1	<2	E.2t
SEP													
16-16	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.2t
SEP													
16-16	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.1t
SEP													
16-16	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5
22...	<.5mc	<.5	<.5	<.5	Mt	<1	<5mc	<1	<1	<5mc	<1	<2	<.5

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)
OCT													
16...	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	E.5	E.1	<.5	<1	<.5
JAN													
05...	<.5	M	<.5	<.5	E.1	<2	<2	<1	<.5	E.2	M	<1	<.5
21...	<.5	M	<.5	<.5	E.1	<2	<2	<1	<.5	E.2	M	<1	<.5
FEB													
02...	<.5	M	<.5	<.5	<.5	<2	<2	<1	<.5	E.3	<.5	<1	<.5
MAR													
02...	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	E.4	E.2	<.5	<1	<.5
23...	E.1	M	<.5	<.5	M	<2	<2	<1	<.5	E.2	<.5	<1	<.5
APR													
07...	<.5	M	<.5	<.5	M	<2	<2	<1	<.5	E.2	M	<1	<.5
MAY													
04...	<.5	M	<.5	<.5	<.5	<2	<2	<1	<.5	E.2	M	<1	M
17...	<.5	E.1	<.5	<.5	E.1	<2	<2	<1	<.5	E.2	E.1	<1	<.5
JUN													
07...	<.5	E.1	<.5	<.5	E.1	<2	<2	<1	<.5	E.2	M	M	<.5
JUL													
13...	<.5	E.1t	<.5	<.5	<.5	<2	<2	<1	E.3t	E.1t	<.5	<1	<.5
AUG													
06...	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.5t	<.5	<1	<.5
SEP													
16-16	<.5	<.5	E.2t	<.5	<.5	E2t	E1t	Mt	<.5	2.8	<.5	Mt	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	E1t	<2	<1	<.5	1.7	<.5	Mt	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	Mt	<2	Mt	<.5	.6	<.5	<1	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	Mt	<2	Mt	<.5	<.5	<.5	Mt	<.5
22...	<.5	<.5	<.5	<.5	<.5	<2	<2	Mt	<.5	E.1t	<.5	<1mc	<.5

Date	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)
OCT													
16...	<.5	<2	<1.00	E.2	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5
JAN													
05...	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5
21...	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	E.1	<.5	<.5
FEB													
02...	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5
MAR													
02...	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5
23...	<.5	<2	<1.00	M	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5
APR													
07...	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	E.1	M	<.5
MAY													
04...	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5
17...	<.5	<2	<1.00	E.2	28.0	<5	<1	<.5	<1	M	<.5	<.5	<.5
JUN													
07...	<.5	<2	<1.00	.6	E.1	<5	<1	<.5	<1	M	<.5	<.5	<.5
JUL													
13...	<.5	<2	<1.00	E.3t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5
AUG													
06...	<.5	<2	<1.00	.8	<.5	<5	Mt	<.5	Mt	E.1t	<.5	<.5	<.5
SEP													
16-16	<.5	E2t	<1.00	1.9	<.5	E7	Mt	<.5	Mt	E.1t	<.5	<.5	<.5
SEP													
16-16	<.5	E1t	<1.00	1.9	<.5	<5	<1	E.1n	<1	<.5	<.5	<.5	<.5
SEP													
16-16	<.5	Mt	<1.00	.7	<.5	E2t	<1	<.5	<1	E.1t	<.5	<.5	<.5
SEP													
16-16	<.5	Mt	<1.00	E.3t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5
22...	<.5	Mt	<1.00	E.3t	<.5	<5mc	Mmtc	E.1mnc	<1mc	<.5	<.5	<.5	<.5

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)
OCT													
16...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	.5	<.5
JAN													
05...	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	M	E.2	<.5
21...	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.2	<.5
FEB													
02...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5
MAR													
02...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.2	<.5
23...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.3	<.5
APR													
07...	<.5	<.5	<.5	M	<.5	<.5	<.5	M	M	<2	M	E.5	<.5
MAY													
04...	M	<.5	<.5	E.1	<.5	M	<.5	<.5	M	<2	<.5	E.3	<.5
17...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	M	E.3	<.5
JUN													
07...	E.1	<.5	<.5	E.1	.9	E.1	<.5	<.5	M	<2	M	1.0	<.5
JUL													
13...	<.5	<.5	<.5	E.1t	<.5	<.5	<.5	<.5	Mt	<2	<.5	1.2	E.2t
AUG													
06...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	.9	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	E.1t	<.5	<.5	<1	Mt	<.5	2.9	<.5
SEP													
16-16	E.1t	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	<.5	.8	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	<.5	.8	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	<.5	1.0	<.5
22...	<.5	<.5mc	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2mc	<.5	1.1	<.5

Date	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)
OCT											
16...	<.5	E.1	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
JAN											
05...	M	E.2	<.5	<.5	M	E.1	M	<.5	<.5	E.1	<1.00
21...	M	E.3	<.5	<.5	M	<.5	<.5	<.5	<.5	<.5	<1.00
FEB											
02...	<.5	E.2	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
MAR											
02...	<.5	<.5	<.5	E.1	<1	<.5	M	<.5	<.5	E.1	<1.00
23...	<.5	E.2	<.5	<.5	M	<.5	<.5	<.5	<.5	<.5	<1.00
APR											
07...	<.5	E.1	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
MAY											
04...	M	E.1	<.5	<.5	<1	<.5	E.1	<.5	<.5	E.1	<1.00
17...	M	E.1	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
JUN											
07...	M	E.1	E.1	E.3	<1	<.5	<.5	<.5	E.1	E.1	<1.00
JUL											
13...	Mt	E.1t	<.5	<.5	<1	<.5	Mt	E.2t	E.1t	<.5	<1.00
AUG											
06...	E.1t	<.5	<.5	<.5	<1	<.5	<.5	E.8	<.5	<.5	--u
SEP											
16-16	Mt	E.2t	<.5	<.5	<1	<.5	E.1n	9.6	E.2t	<.5	--u
SEP											
16-16	<.5	E.2t	<.5	<.5	<1	<.5	E.1n	E6.4	E.1t	<.5	--u
SEP											
16-16	Mt	E.1t	<.5	<.5	<1	<.5	E.1n	1.6	<.5	E.1t	--u
SEP											
16-16	<.5	Mt	<.5	<.5	<1	<.5	<.5	.6	<.5	<.5	--u
22...	<.5	E.1mtc	<.5mc	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)
OCT													
16...	1120	--	1	9	81350	3.45	--	1.3	1.9	742	9.3	93	7.3
JAN													
05...	1035	--	1	9	81350	3.54	--	2.4	4.0	--	9.6	--	6.8
21...	1617	--	1	9	81350	3.55	--	.89	2.4	744	13.3	115	7.5
MAR													
02...	1202	--	1	9	81350	--	--	1.2	3.2	754	13.8	138	8.1
23...	1347	--	1	9	81350	3.47	--	1.0	2.7	759	13.9	134	8.7
APR													
07...	0957	--	1	9	81350	3.46	--	.96	2.4	742	11.5	115	7.5
MAY													
04...	1232	--	1	9	81350	3.47	--	1.0	3.3	746	9.6	96	7.3
17...	0817	--	1	9	81350	3.39	--	.84	1.9	752	8.1	89	7.1
JUN													
07...	1022	--	1	9	81350	3.45	--	.57	6.1	747	7.9	91	7.3
JUL													
13...	0942	--	1	9	81350	3.43	--	.54	9.2	744	8.1	97	7.3
AUG													
19...	0815	--	1	9	81350	3.45	--	--	--	--	--	--	--
SEP													
16-16	1317	1322	1	J	81350	4.43	43	--	140	--	7.6	--	6.7
SEP													
16-16	1447	1452	1	J	81350	4.54	49	--	120	--	7.7	--	6.7
SEP													
16-16	1547	1552	1	J	81350	5.61	175	--	--	--	8.2	--	6.5
22...	1032	--	1	9	81350	3.45	--	.60	1.9	743	8.6	92	7.3

Date	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)
OCT													
16...	170	14.0	1.3	1.2	4.7	420	M	.5	88	8	37	1.6	30
JAN													
05...	171	15.0	4.3	3.2	7.8	450	2	1.9	100	41	83	3.7	98
21...	166	8.0	3.9	6.8	3.4	1100	2	<.6	170	15	80	3.2	460
MAR													
02...	160	15.0	.930	.6	1.5	210	M	1.0	37	6	150	1.5	30
23...	158	13.5	2.3	1.3	2.9	360	2	1.2	75	16	72	2.4	69
APR													
07...	162	14.0	3.1	2.3	4.2	450	2	.4	82	18	64	3.9	73
MAY													
04...	165	14.5	6.3	1.3	8.5	430	2	1.1	--o	26	120	4.8	99
17...	165	19.5	6.0	3.7	8.1	540	2	.9	260	26	89	4.4	140
JUN													
07...	354	21.0	6.2	2.5	4.5	570	2	1.0	200	24	100	3.9	150
JUL													
13...	192	23.0	8.3	3.8	9.3	630	3	1.5	200	29	120	5.3	180
AUG													
19...	--	--	1.8	1.8	7.6	380	M	1.4	--x	--	130	3.9	83
SEP													
16-16	61	22.5	8.8	5.7	9.9	520	3	1.2	83	29	140	4.9	170
SEP													
16-16	50	23.0	9.5	5.7	18	470	3	.9	87	23	120	4.8	160
SEP													
16-16	--	22.5	8.3	1.9	6.9	440	2	.4	68	20	69	4.2	100
22...	179	17.5	6.2	1.3	6.6	150	2	2.3	250	24	71	3.7	52

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)
OCT													
16...	11	1500	<.01	9	47	2	<.5	460	<50	.059	19	240	<50
JAN													
05...	15	7300	<.02	5	100	2	<1	70	<100	.210	58	820	<100
21...	13	1500	--o	5	51	1	<3	97	<300	.220	57	510	<300
MAR													
02...	5	1000	--o	4	21	2	<1	140	<100	.059	13	360	<100
23...	11	2100	--o	4	39	2	<1	60	<100	.150	42	650	<100
APR													
07...	17	2500	.39	8	44	2	<1	310	<100	.160	44	380	<100
MAY													
04...	29	1300	--o	--o	--o	2	<.5	320	<50	.320	78	300	<50
17...	15	3600	.14	23	180	3	<1	230	<100	.360	76	450	<100
JUN													
07...	29	2600	.32	22	110	2	<2	190	<150	.640	59	480	<150
JUL													
13...	31	3300	.23	16	110	2	<1	200	<100	.400	92	560	<100
AUG													
19...	12	940	--o	--x	--x	3	2	470	<100	.110	43	190	<100
SEP													
16-16	38	2600	--o	5	40	2	2	140	<200	.540	110	580	<200
SEP													
16-16	37	1500	--o	<7	42	1	<4	150	<350	.530	120	460	<350
SEP													
16-16	29	980	.11	2	36	M	<1	72	<100	.530	96	250	<100
22...	27	2100	--o	23	140	2	1	310	<50	.320	65	280	<50

Date	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT	
16...	.2
JAN	
05...	4
21...	.9
MAR	
02...	3
23...	2
APR	
07...	2
MAY	
04...	2
17...	2
JUN	
07...	3
JUL	
13...	2
AUG	
19...	1
SEP	
16-16	167
SEP	
16-16	99
SEP	
16-16	607
22...	2

02336228 LULLWATER CREEK AT LULLWATER PARKWAY, AT ATLANTA, GA—continued.

Remark codes used in this table:
   < -- Less than
   > -- Greater than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this table:
   @ -- Holding time exceeded
   c -- See laboratory comment
   k -- Counts outside acceptable range
   m -- Value is highly variable by this method
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference
   x -- Result failed quality assurance review

2004 Water Year

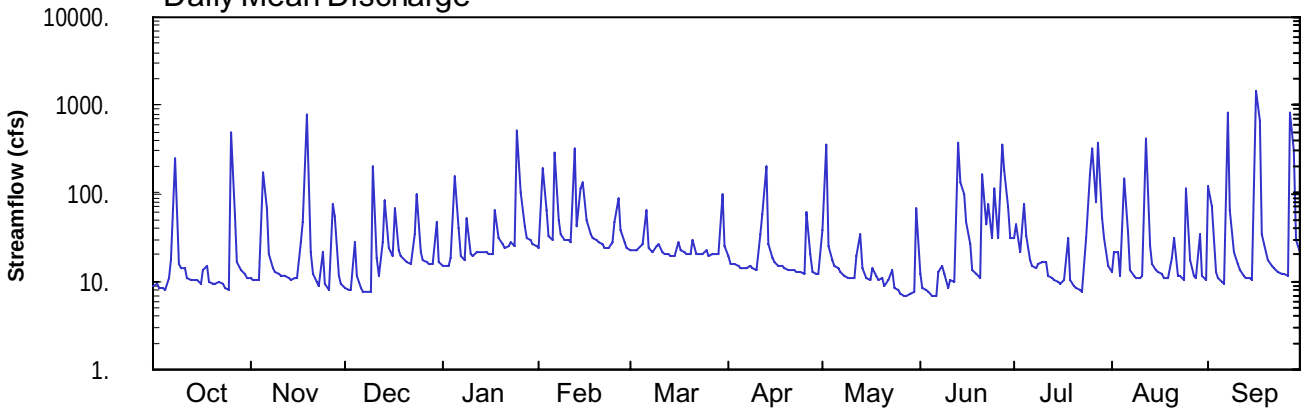
APALACHICOLA RIVER BASIN

02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA

Latitude: 33°48'10" Longitude: 084°20'27" Hydrologic Unit Code: 03130001

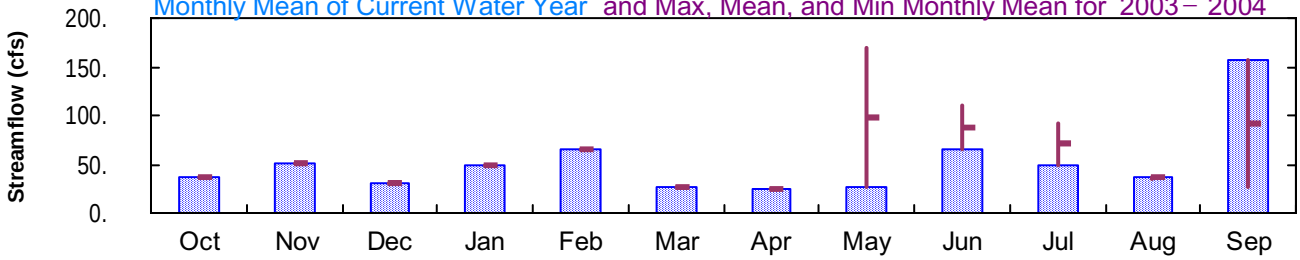
De kalb County Datum: feet Drainage Area: 28.7 mi²

Daily Mean Discharge

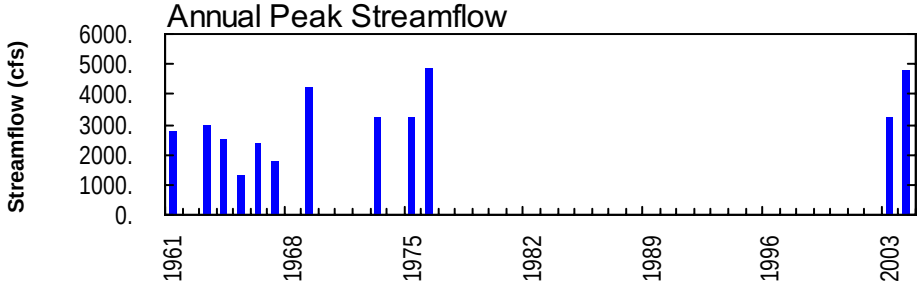


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 and 2004 Water Years

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°48'10", long 84°20'27", referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, DeKalb County, on downstream side of bridge on Johnson Road, 0.20 miles east of US 23, 0.8 miles downstream of Peavine Creek, and 2.8 miles upstream of confluence with Peachtree Creek.

DRAINAGE AREA.—28.7 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.— April 30, 2003 to current year

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 829.58 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.— April 30, 2003 to current year

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 829.58 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.10 feet, September 16; minimum gage-height recorded, 3.05 feet, October 5, 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 30, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70* CONTRIBUTING DRAINAGE AREA DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	11	8.6	15	23	23	19	39	12	32	13	119
2	9.2	10	8.1	15	189	22	16	363	8.5	45	22	70
3	8.4	10	7.9	15	66	22	16	25	7.9	22	22	13
4	8.4	11	28	18	32	25	15	18	7.5	73	12	11
5	8.2	177	12	156	30	26	14	15	6.8	33	146	9.7
6	11	66	8.3	40	284	65	15	15	6.7	17	36	9.5
7	18	21	7.7	19	50	24	14	13	13	15	14	838
8	255	14	7.7	18	34	22	15	12	15	14	12	64
9	16	13	7.6	52	30	25	14	11	12	16	11	21
10	14	12	201	20	29	27	14	11	8.6	17	11	16
11	14	12	19	20	28	21	35	11	10	17	12	13
12	11	12	12	22	330	21	59	20	9.8	11	414	12
13	10	11	28	22	43	20	197	35	370	11	25	11
14	10	10	82	21	113	19	27	14	130	10	16	11
15	10	11	24	21	135	20	18	11	100	9.7	14	10
16	9.5	11	19	20	49	28	16	11	46	9.4	13	1460
17	14	28	68	21	35	22	15	14	26	10	12	678
18	15	47	22	65	32	22	15	11	14	31	11	34
19	9.9	775	19	31	30	21	14	10	12	10	11	22
20	9.3	21	17	27	28	20	14	11	11	8.7	19	17
21	9.4	12	16	24	26	30	13	9.0	168	8.3	32	15
22	10	10	16	25	24	21	13	10	44	7.9	12	14
23	9.6	8.9	35	28	24	20	13	13	74	7.6	11	13
24	8.5	22	95	25	29	20	13	8.2	32	31	10	12
25	8.2	9.5	21	525	47	23	12	8.0	115	164	116	12
26	494	8.1	18	105	89	20	60	7.3	30	326	18	11
27	59	77	17	41	39	20	21	7.0	356	80	12	811
28	16	55	16	32	27	20	13	6.8	184	369	11	310
29	13	12	16	29	24	20	12	7.1	71	51	35	30
30	12	9.4	48	27	---	97	12	7.5	31	31	12	22
31	11	---	17	25	---	25	---	67	---	15	10	---
TOTAL	1120.6	1506.9	921.9	1524	1919	811	744	820.9	1931.8	1502.6	1125	4689.2
MEAN	36.1	50.2	29.7	49.2	66.2	26.2	24.8	26.5	64.4	48.5	36.3	156
MAX	494	775	201	525	330	97	197	363	370	369	414	1460
MIN	8.2	8.1	7.6	15	23	19	12	6.8	6.7	7.6	10	9.5
MED	10	12	17	25	32	22	15	11	21	17	13	15
AC-FT	2220	2990	1830	3020	3810	1610	1480	1630	3830	2980	2230	9300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	36.1	50.2	29.7	49.2	66.2	26.2	24.8	98.2	86.9	70.4	35.8	91.3
MAX	36.1	50.2	29.7	49.2	66.2	26.2	24.8	170	109	92.4	36.3	156
(WY)	2004	2004	2004	2004	2004	2004	2004	2003	2003	2003	2004	2004
MIN	36.1	50.2	29.7	49.2	66.2	26.2	24.8	26.5	64.4	48.5	35.3	26.3
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	18616.9			
ANNUAL MEAN	50.9		50.9	
HIGHEST ANNUAL MEAN			50.9	2004
LOWEST ANNUAL MEAN			50.9	2004
HIGHEST DAILY MEAN	1460	Sep 16	1700	May 6 2003
LOWEST DAILY MEAN	6.7	Jun 6	6.7	Jun 6 2004
ANNUAL SEVEN-DAY MINIMUM	7.4	May 24	7.4	May 24 2004
MAXIMUM PEAK FLOW	4800	Sep 16	4800	Sep 16 2004
MAXIMUM PEAK STAGE	16.10	Sep 16	16.10	Sep 16 2004
ANNUAL RUNOFF (AC-FT)	36930		36850	
10 PERCENT EXCEEDS	91		91	
50 PERCENT EXCEEDS	18		18	
90 PERCENT EXCEEDS	9.4		9.4	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70* CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.09	3.15	3.26	3.43	3.59	3.58	3.52	3.71	3.36	3.71	3.49	4.11
2	3.09	3.14	3.24	3.44	4.43	3.57	3.46	5.31	3.25	3.89	3.62	4.10
3	3.07	3.13	3.23	3.44	4.06	3.57	3.44	3.62	3.23	3.56	3.65	3.50
4	3.07	3.14	3.63	3.50	3.72	3.61	3.43	3.49	3.22	3.93	3.46	3.43
5	3.06	4.05	3.34	4.37	3.68	3.63	3.41	3.43	3.19	3.70	4.17	3.41
6	3.12	3.84	3.25	3.79	4.98	4.03	3.42	3.42	3.18	3.48	3.84	3.40
7	3.29	3.36	3.23	3.52	3.94	3.60	3.42	3.38	3.30	3.44	3.51	6.90
8	4.67	3.23	3.22	3.49	3.74	3.56	3.43	3.35	3.41	3.42	3.46	4.14
9	3.28	3.19	3.22	3.92	3.68	3.60	3.41	3.34	3.32	3.44	3.44	3.66
10	3.22	3.18	4.65	3.54	3.67	3.64	3.40	3.33	3.25	3.45	3.44	3.56
11	3.23	3.17	3.50	3.53	3.65	3.55	3.72	3.34	3.32	3.45	3.46	3.51
12	3.15	3.17	3.35	3.57	5.23	3.55	3.73	3.44	3.30	3.35	5.36	3.46
13	3.14	3.15	3.55	3.56	3.87	3.53	4.73	3.71	5.31	3.33	3.72	3.45
14	3.13	3.13	4.15	3.56	4.41	3.52	3.64	3.41	4.28	3.31	3.56	3.44
15	3.13	3.15	3.59	3.55	4.51	3.53	3.50	3.33	4.07	3.29	3.51	3.43
16	3.11	3.15	3.51	3.53	3.93	3.65	3.46	3.32	3.87	3.28	3.48	7.63
17	3.20	3.46	4.06	3.54	3.76	3.57	3.44	3.41	3.61	3.31	3.47	6.20
18	3.25	3.47	3.57	4.08	3.71	3.56	3.43	3.34	3.40	3.67	3.45	3.85
19	3.12	6.49	3.52	3.70	3.68	3.54	3.42	3.31	3.36	3.31	3.44	3.67
20	3.10	3.54	3.48	3.64	3.65	3.53	3.40	3.33	3.32	3.26	3.53	3.59
21	3.10	3.37	3.46	3.59	3.63	3.68	3.40	3.27	4.32	3.25	3.78	3.54
22	3.12	3.30	3.45	3.61	3.60	3.54	3.39	3.30	3.85	3.23	3.46	3.52
23	3.11	3.27	3.61	3.65	3.59	3.53	3.39	3.38	4.06	3.22	3.45	3.50
24	3.07	3.52	4.19	3.62	3.66	3.53	3.38	3.24	3.69	3.49	3.43	3.48
25	3.06	3.29	3.55	5.95	3.87	3.58	3.36	3.24	4.23	3.99	4.09	3.47
26	5.46	3.24	3.49	4.34	4.29	3.52	3.94	3.21	3.68	5.01	3.59	3.45
27	3.75	3.81	3.47	3.85	3.81	3.53	3.53	3.20	4.93	3.89	3.46	6.13
28	3.28	3.92	3.45	3.71	3.64	3.54	3.38	3.19	4.60	5.04	3.43	5.10
29	3.21	3.35	3.45	3.66	3.59	3.53	3.36	3.20	4.04	3.85	3.69	3.79
30	3.18	3.28	3.88	3.64	---	4.24	3.36	3.22	3.69	3.78	3.46	3.68
31	3.15	---	3.47	3.61	---	3.61	---	3.92	---	3.54	3.42	---
MEAN	3.29	3.45	3.55	3.74	3.92	3.60	3.51	3.44	3.72	3.61	3.62	4.07
MAX	5.46	6.49	4.65	5.95	5.23	4.24	4.73	5.31	5.31	5.04	5.36	7.63
MIN	3.06	3.13	3.22	3.43	3.59	3.52	3.36	3.19	3.18	3.22	3.42	3.40

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70* CONTRIBUTING DRAINAGE AREA DATUM

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.16	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.00	0.32	0.00	0.86
2	0.00	0.00	0.00	0.00	0.87	0.02	0.00	0.30	0.00	0.25	0.52	0.19
3	0.00	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.02	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00
5	0.00	0.57	0.01	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00
6	0.04	0.17	0.00	0.00	0.85	0.30	0.00	0.00	0.00	0.04	0.00	0.15
7	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.02	0.00	2.80
8	1.53	0.00	0.00	0.04	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.08
9	0.00	0.00	0.00	0.27	0.00	0.08	0.00	0.00	0.02	0.00	0.00	0.00
10	0.00	0.00	0.98	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.21	0.00	0.25	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.86	0.00	1.10	0.03	0.01	0.00	1.20	0.00
13	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	2.26	0.00	0.00	0.00
14	0.04	0.00	0.22	0.00	0.47	0.00	0.00	0.00	0.03	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.50	0.00	0.00	0.01
16	0.00	0.00	0.21	0.00	0.00	0.10	0.00	0.02	0.28	0.00	0.00	5.49
17	0.19	0.25	0.12	0.26	0.00	0.00	0.00	0.02	0.00	0.24	0.00	0.14
18	0.00	0.83	0.00	0.08	0.00	0.00	0.00	0.11	0.00	0.05	0.00	0.00
19	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00
21	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.73	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.21	0.00
23	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.01	0.00
24	0.00	0.23	0.00	0.00	0.08	0.00	0.00	0.00	0.03	0.87	0.00	0.00
25	0.00	0.00	0.00	2.13	---	0.00	0.00	0.00	0.88	1.68	1.40	0.00
26	2.03	0.00	0.00	0.03	---	0.00	0.57	0.00	0.01	0.18	0.00	0.00
27	0.01	0.69	0.00	0.01	---	0.00	0.00	0.00	1.58	1.18	0.00	3.79
28	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.41	0.41	0.00	0.00
29	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.01	0.01	0.79	0.53	0.00
30	0.00	0.00	0.20	0.00	---	0.78	0.05	0.00	0.23	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.56	---	0.00	0.00	---
TOTAL	4.06	4.23	3.22	3.54	---	1.42	2.44	2.47	8.11	6.55	4.41	13.51

APALACHICOLA RIVER BASIN
2004 Water Year

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat. 33°48'10", Long. 84°20'27", referenced to North American Datum (NAD) of 1927, DeKalb County, Hydrologic Unit 03130001, on the downstream side bridge on Johnson Road, 0.2 miles east of US 23, 0.9 miles downstream of Peavine Creek and 2.8 miles upstream of confluence with Peachtree Creek.

DRAINAGE AREA.—28.7 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—June 3, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 6, 2003 to current year.
pH: June 6, 2003 to current year.
WATER TEMPERATURE: June 6, 2003 to current year.
DISSOLVED OXYGEN: June 6, 2003 to current year.
TURBIDITY: June 6, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance, dissolved oxygen, and turbidity which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 272 microsiemens, May 18, 2004; minimum recorded, 28 microsiemens, on several days.
pH: Maximum recorded, 8.4 units, June 16, 2003; minimum recorded, 6.1 units, September 16, 17, 2004.
WATER TEMPERATURE: Maximum recorded, 29.2°C, July 24, 2004; minimum recorded, 2.8°C, December 21, 2003, January 29, 2004.
DISSOLVED OXYGEN: Maximum recorded, 13.4 mg/L, January 7, 2004; minimum recorded, 2.1 mg/L, April 12, 2004.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 272 microsiemens, May 18; minimum recorded, 28 microsiemens, September 7, 16.

pH: Maximum recorded, 8.2 units, March 28; minimum recorded, 6.1 units, September 16, 17.

WATER TEMPERATURE: Maximum recorded, 29.2°C, July 24; minimum recorded, 2.8°C, December 21, January 29.

DISSOLVED OXYGEN: Maximum recorded, 13.4 mg/L, January 7; minimum recorded, 2.1 mg/L, April 12.

TURBIDITY: Maximum recorded, 1,000 NTU, April 12; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	131	128	130	133	130	131	---	---	---	154	102	115
2	148	128	131	133	130	131	---	---	---	114	112	113
3	132	127	129	134	131	133	118	116	117	117	114	116
4	131	127	129	137	132	134	122	92	105	118	117	118
5	131	129	129	135	39	112	106	94	100	123	50	94
6	144	128	131	91	44	68	115	106	112	84	52	67
7	137	119	122	108	89	100	121	115	119	105	84	96
8	121	45	64	221	108	126	123	121	122	113	105	110
9	101	72	88	125	122	123	126	123	124	117	76	90
10	113	101	108	127	124	126	127	48	77	95	81	87
11	118	103	112	128	126	127	126	60	85	105	95	101
12	122	118	120	129	127	128	113	97	106	110	105	108
13	126	118	123	135	126	130	122	88	113	112	110	111
14	131	125	127	132	128	129	88	56	63	113	112	112
15	134	129	132	133	128	131	95	70	83	116	113	115
16	136	132	133	129	127	128	116	95	103	117	116	116
17	138	121	131	134	112	118	113	69	78	118	113	117
18	122	120	121	126	82	120	96	79	87	132	82	93
19	124	121	123	82	29	45	110	96	103	99	86	93
20	128	124	127	---	---	---	112	106	108	109	99	104
21	133	128	131	---	---	---	116	112	114	113	109	111
22	268	129	147	---	---	---	117	116	116	116	113	114
23	137	128	131	---	---	---	118	84	115	118	116	117
24	135	131	133	---	---	---	84	59	67	118	113	116
25	133	131	132	---	---	---	101	76	90	117	46	70
26	138	38	85	---	---	---	112	101	107	110	51	79
27	87	45	68	---	---	---	118	112	115	155	107	126
28	108	87	99	---	---	---	120	118	119	132	122	125
29	119	108	115	---	---	---	123	120	120	134	128	130
30	126	119	123	---	---	---	124	82	92	131	129	129
31	237	126	163	---	---	---	102	88	95	131	128	129
MONTH	268	38	121	---	---	---	---	---	---	155	46	107

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	129	128	129	119	116	117	114	104	110	126	62	115
2	140	50	109	121	118	119	118	114	116	62	37	46
3	90	49	69	121	118	120	120	116	118	79	56	68
4	116	90	104	121	117	120	123	117	120	91	79	86
5	125	116	121	123	120	121	125	118	122	99	91	97
6	255	47	90	123	91	106	122	114	119	104	99	102
7	115	66	95	113	92	103	121	115	119	110	103	106
8	126	115	123	123	113	119	120	116	118	113	110	112
9	130	126	128	128	118	122	124	118	121	115	113	114
10	132	130	130	118	114	116	124	118	122	116	113	114
11	134	130	132	230	116	129	123	99	110	116	113	114
12	133	37	62	122	117	120	112	63	103	118	93	115
13	104	66	87	122	117	120	91	44	66	96	76	90
14	110	67	83	123	115	120	123	91	111	110	96	101
15	90	56	72	125	117	121	140	122	130	120	110	114
16	98	61	81	127	117	121	162	131	145	124	120	122
17	112	98	107	126	118	121	154	141	147	124	116	120
18	117	112	115	127	121	124	156	137	147	272	122	143
19	119	117	118	128	122	126	162	133	147	126	124	125
20	120	118	119	129	121	126	136	118	125	129	123	126
21	150	120	127	133	119	125	132	117	125	129	127	128
22	123	120	121	126	122	124	132	113	124	130	120	128
23	121	120	120	128	123	125	120	114	117	128	120	125
24	122	119	121	126	120	124	130	115	122	131	127	129
25	125	94	114	127	120	124	132	121	127	133	130	131
26	110	86	93	125	95	105	129	78	105	132	131	131
27	108	99	103	109	90	101	105	83	94	132	130	131
28	113	108	110	100	78	89	116	104	108	142	131	133
29	116	113	114	204	96	109	116	110	112	140	134	136
30	---	---	---	108	51	81	123	113	118	136	133	134
31	---	---	---	109	83	96	---	---	---	135	72	99
MONTH	255	37	107	230	51	116	162	44	119	272	37	114

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	107	87	98	117	101	107	129	120	126	123	40	90
2	119	107	113	119	92	101	---	---	---	75	42	60
3	---	---	---	114	98	108	---	---	---	101	75	88
4	---	---	---	126	51	105	---	---	---	117	101	110
5	---	---	---	114	54	81	---	---	---	122	117	120
6	---	---	---	112	92	102	---	---	---	127	121	124
7	---	---	---	122	110	115	---	---	---	127	28	53
8	---	---	---	125	118	122	---	---	---	96	53	77
9	---	---	---	131	118	124	---	---	---	118	96	109
10	---	---	---	124	110	121	123	119	121	129	117	123
11	---	---	---	120	100	111	124	118	121	129	126	128
12	---	---	---	128	120	124	118	29	58	128	124	127
13	---	---	---	130	126	128	82	53	69	---	---	---
14	---	---	---	133	128	130	96	82	90	---	---	---
15	---	---	---	135	130	132	101	95	99	---	---	---
16	---	---	---	138	133	136	105	101	103	---	28	---
17	---	---	---	141	129	136	107	105	106	---	29	---
18	---	---	---	130	113	119	107	106	107	---	---	---
19	---	---	---	130	120	123	109	107	108	---	---	---
20	---	---	---	128	120	123	113	83	107	---	---	---
21	---	---	---	137	125	130	93	77	82	---	---	---
22	---	---	---	131	124	128	96	88	93	---	---	---
23	---	---	---	130	116	123	102	96	100	141	139	139
24	---	---	---	131	74	110	108	101	104	140	138	139
25	---	---	---	109	42	93	113	41	84	146	138	141
26	---	---	---	96	43	68	95	70	83	147	138	143
27	---	---	---	117	46	103	109	95	103	150	32	107
28	---	---	---	90	43	69	189	108	127	100	38	72
29	98	---	---	110	66	95	121	38	106	125	100	114
30	117	98	109	101	69	86	110	98	106	133	124	129
31	---	---	---	120	101	112	118	110	114	---	---	---
MONTH	---	---	---	141	42	112	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.2	7.1	7.1	7.2	7.0	7.1	7.2	7.2	7.2	7.2	7.1	7.1
2	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.3	7.2	7.1	7.2
3	7.1	7.1	7.1	7.2	7.1	7.2	7.3	7.2	7.2	7.3	7.2	7.2
4	7.2	7.1	7.1	7.2	7.1	7.1	7.3	7.1	7.2	7.3	7.2	7.2
5	7.1	7.0	7.1	7.2	6.7	7.1	7.1	7.1	7.1	7.3	6.9	7.2
6	7.2	7.0	7.1	7.0	6.7	6.9	7.2	7.1	7.2	7.1	7.0	7.0
7	7.1	7.0	7.0	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.1	7.2
8	7.0	6.7	6.8	7.1	7.0	7.1	7.2	7.2	7.2	7.2	7.2	7.2
9	7.0	6.8	6.9	7.2	7.1	7.1	7.2	7.1	7.2	7.2	7.0	7.2
10	7.2	7.0	7.1	7.2	7.1	7.1	7.2	6.9	7.0	7.1	7.0	7.1
11	7.2	7.1	7.1	7.2	7.1	7.1	7.1	6.9	7.0	7.2	7.1	7.2
12	7.2	7.1	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.2	7.2	7.2
13	7.2	7.1	7.1	7.1	7.0	7.1	7.2	7.1	7.2	7.2	7.2	7.2
14	7.2	7.1	7.1	7.1	7.0	7.1	7.2	6.9	7.0	7.2	7.2	7.2
15	7.2	7.1	7.1	7.2	7.1	7.1	7.1	7.0	7.0	7.3	7.2	7.2
16	7.2	7.1	7.2	7.2	7.1	7.1	7.2	7.1	7.1	7.3	7.2	7.2
17	7.2	7.2	7.2	7.2	7.0	7.1	7.2	7.0	7.0	7.3	7.2	7.2
18	7.2	7.1	7.2	7.5	7.1	7.2	7.0	7.0	7.0	7.2	7.0	7.1
19	7.2	7.1	7.1	7.2	6.6	6.9	7.2	7.0	7.1	7.0	6.9	7.0
20	7.2	7.1	7.2	7.1	7.0	7.1	7.2	7.1	7.1	7.2	7.0	7.1
21	7.2	7.1	7.2	7.2	7.1	7.2	7.2	7.1	7.1	7.2	7.1	7.1
22	7.3	7.1	7.2	7.2	7.1	7.2	7.2	7.1	7.1	7.2	7.1	7.2
23	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.2	7.2	7.2
24	7.3	7.2	7.2	7.3	7.1	7.2	7.1	6.9	7.0	7.3	7.2	7.2
25	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.1	7.2	6.8	6.9
26	7.2	6.7	7.1	7.2	7.1	7.2	7.2	7.1	7.2	7.1	6.8	7.0
27	7.0	6.7	6.9	7.3	7.1	7.2	7.2	7.2	7.2	7.1	7.1	7.1
28	7.0	7.0	7.0	7.1	7.0	7.1	7.2	7.2	7.2	7.2	7.1	7.1
29	7.1	7.0	7.0	7.2	7.1	7.1	7.2	7.2	7.2	7.2	7.1	7.2
30	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.0	7.1	7.2	7.1	7.2
31	7.1	7.1	7.1	---	---	---	7.1	7.0	7.1	7.2	7.1	7.2
MAX	7.3	7.2	7.2	7.5	7.2	7.2	7.3	7.2	7.3	7.3	7.2	7.2
MIN	7.0	6.7	6.8	7.0	6.6	6.9	7.0	6.9	7.0	7.0	6.8	6.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	7.2	7.2	7.4	7.2	7.2	7.2	7.1	7.1	7.0	6.7	6.9
2	7.3	6.9	7.2	7.5	7.2	7.2	7.3	7.1	7.2	6.9	6.4	6.8
3	7.0	6.9	7.0	7.5	7.2	7.2	7.4	7.2	7.2	7.0	6.8	7.0
4	7.2	7.0	7.1	7.7	7.2	7.2	7.4	7.2	7.3	7.0	6.9	7.0
5	7.2	7.1	7.2	7.7	7.2	7.3	7.5	7.2	7.3	7.0	6.9	6.9
6	7.3	6.8	7.0	7.3	7.0	7.2	7.5	7.2	7.3	7.0	6.9	7.0
7	7.1	6.9	7.1	7.3	7.0	7.2	7.6	7.1	7.2	7.0	6.9	6.9
8	7.2	7.1	7.1	7.5	7.1	7.2	7.4	7.1	7.1	7.0	6.9	6.9
9	7.2	7.1	7.1	7.5	7.2	7.3	7.4	7.1	7.1	7.0	6.9	7.0
10	7.2	7.1	7.2	7.4	7.2	7.2	7.5	7.1	7.1	7.1	6.9	7.0
11	7.2	7.1	7.2	7.5	7.1	7.2	7.1	6.8	7.0	7.2	7.0	7.0
12	7.2	6.8	6.9	7.6	7.2	7.3	6.9	6.7	6.8	7.1	6.9	7.0
13	7.1	7.0	7.1	7.6	7.2	7.3	6.8	6.6	6.7	6.9	6.8	6.8
14	7.2	7.0	7.1	7.8	7.2	7.3	6.9	6.8	6.9	7.0	6.8	6.9
15	7.2	6.9	7.0	7.9	7.2	7.3	7.0	6.9	7.0	7.0	6.9	7.0
16	7.1	6.9	7.0	7.7	7.2	7.3	7.0	6.9	7.0	7.1	6.9	7.0
17	7.1	7.0	7.1	7.7	7.2	7.3	7.0	7.0	7.0	7.2	7.0	7.1
18	7.2	7.1	7.1	7.7	7.2	7.3	7.0	7.0	7.0	7.2	7.0	7.0
19	7.2	7.1	7.1	7.8	7.2	7.3	7.2	7.0	7.0	7.2	7.0	7.1
20	7.2	7.1	7.2	7.9	7.2	7.3	7.2	7.0	7.1	7.2	7.0	7.1
21	7.2	7.1	7.2	7.6	7.2	7.3	7.3	7.1	7.2	7.2	7.0	7.1
22	7.2	7.1	7.2	7.5	7.2	7.3	7.3	7.1	7.1	7.2	7.0	7.1
23	7.2	7.1	7.2	7.6	7.2	7.3	7.3	7.0	7.1	7.2	7.0	7.1
24	7.3	7.1	7.2	7.7	7.2	7.3	7.3	7.1	7.1	7.2	7.0	7.1
25	7.3	7.1	7.2	7.9	7.2	7.3	7.3	7.0	7.1	7.3	7.0	7.1
26	7.2	7.1	7.2	8.1	7.2	7.3	7.1	6.8	7.0	7.3	7.0	7.1
27	7.1	7.0	7.1	8.0	7.2	7.3	6.9	6.8	6.8	7.3	7.0	7.1
28	7.2	7.1	7.1	8.2	7.2	7.3	7.0	6.9	6.9	7.3	7.0	7.1
29	7.3	7.1	7.2	7.9	7.2	7.3	7.0	6.9	7.0	7.2	7.0	7.0
30	---	---	---	7.2	6.9	7.1	7.0	6.9	7.0	7.3	7.0	7.1
31	---	---	---	7.1	6.9	7.1	---	---	---	7.0	6.8	6.9
MAX	7.3	7.2	7.2	8.2	7.2	7.3	7.6	7.2	7.3	7.3	7.0	7.1
MIN	7.0	6.8	6.9	7.1	6.9	7.1	6.8	6.6	6.7	6.9	6.4	6.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.9	6.8	6.9	7.0	6.9	7.0	6.9	6.8	6.8	7.0	6.6	6.9
2	7.0	6.9	6.9	7.1	6.9	7.0	---	---	---	6.9	6.7	6.8
3	7.2	6.9	7.0	7.0	6.9	6.9	---	---	---	6.9	6.8	6.8
4	7.3	7.0	7.1	7.1	6.6	6.9	---	---	---	7.0	6.9	6.9
5	7.4	7.0	7.1	6.9	6.7	6.8	---	---	---	7.1	6.9	7.0
6	7.5	7.0	7.1	7.0	6.8	6.9	---	---	---	7.1	7.0	7.0
7	7.4	7.0	7.1	7.1	6.9	7.0	---	---	---	7.0	6.3	6.7
8	7.0	6.9	7.0	7.1	6.9	7.0	---	---	---	6.8	6.7	6.8
9	7.1	6.8	6.9	7.2	7.0	7.1	---	---	---	6.8	6.7	6.8
10	7.2	6.8	7.0	7.1	6.9	7.0	7.3	7.0	7.1	6.9	6.8	6.9
11	7.2	7.0	7.1	7.1	6.8	6.9	7.4	7.1	7.1	7.0	6.9	6.9
12	7.4	7.0	7.1	7.1	6.8	6.9	7.1	6.4	6.8	7.0	6.9	6.9
13	7.1	6.4	6.8	7.2	6.9	7.0	7.0	6.8	7.0	7.0	6.9	6.9
14	6.8	6.5	6.8	7.6	6.9	7.0	7.0	6.9	7.0	7.1	6.9	6.9
15	6.9	6.7	6.8	7.5	6.9	7.0	7.1	7.0	7.0	7.1	6.9	7.0
16	7.0	6.8	6.8	7.4	6.9	7.0	7.2	7.0	7.1	7.0	6.1	6.9
17	7.0	6.9	6.9	7.2	6.8	6.9	7.3	7.1	7.1	---	6.1	---
18	7.0	6.9	7.0	7.0	6.8	7.0	7.4	7.1	7.2	---	---	---
19	7.1	7.0	7.0	7.0	6.7	6.8	7.5	7.1	7.2	---	---	---
20	7.2	7.0	7.0	7.1	6.7	6.9	7.4	7.1	7.2	---	---	---
21	7.2	6.9	7.0	7.2	6.8	6.9	7.2	6.9	7.0	---	---	---
22	7.0	6.8	7.0	7.4	6.9	7.0	7.0	6.9	7.0	---	---	---
23	7.1	6.9	7.0	7.4	6.9	7.0	7.2	6.9	7.0	6.9	6.8	6.8
24	7.0	6.9	7.0	7.4	6.8	6.9	7.3	7.0	7.1	6.9	6.8	6.9
25	7.1	6.8	7.0	6.9	6.4	6.8	7.2	6.6	7.0	7.0	6.8	6.9
26	7.0	6.9	7.0	6.7	6.3	6.6	6.9	6.8	6.8	7.0	6.9	6.9
27	7.2	6.6	7.0	6.8	6.3	6.7	7.0	6.8	6.9	7.0	6.3	6.9
28	7.0	6.6	6.9	6.7	6.2	6.6	7.1	6.9	7.0	6.8	6.3	6.7
29	6.9	6.8	6.8	6.9	6.6	6.7	7.2	6.8	6.9	6.8	6.7	6.8
30	7.1	6.8	6.9	6.7	6.6	6.7	6.9	6.8	6.8	6.8	6.8	6.8
31	---	---	---	6.8	6.7	6.8	7.0	6.9	6.9	---	---	---
MAX	7.5	7.0	7.1	7.6	7.0	7.1	---	---	---	---	---	---
MIN	6.8	6.4	6.8	6.7	6.2	6.6	---	---	---	---	---	---

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.1	14.6	16.1	17.0	14.0	15.5	9.2	6.2	7.6	8.6	5.5	7.0
2	16.9	13.8	15.2	17.2	14.2	15.7	8.9	6.5	7.7	10.2	7.3	8.7
3	16.2	13.0	14.6	17.2	14.1	15.7	7.8	6.9	7.3	12.5	9.2	10.9
4	17.5	13.7	15.6	18.2	15.8	17.1	7.2	6.6	6.8	14.0	11.3	12.5
5	18.7	15.0	16.8	21.0	17.7	19.1	7.3	6.6	6.9	14.8	12.5	13.8
6	19.1	16.8	17.9	21.0	19.9	20.4	7.5	5.9	6.7	12.5	6.3	9.3
7	19.5	17.9	18.5	20.0	17.8	19.1	7.2	4.8	6.0	6.3	3.7	4.7
8	19.2	18.5	18.7	17.8	16.0	16.8	7.5	4.8	6.1	4.6	3.1	3.9
9	19.5	18.4	18.9	16.1	13.6	15.2	8.8	5.6	7.2	5.8	4.6	5.3
10	19.9	18.5	18.9	13.9	12.0	13.0	11.5	8.4	10.3	5.6	4.0	5.1
11	18.6	17.9	18.3	14.5	11.5	13.0	9.4	6.7	8.0	5.4	2.9	4.1
12	20.3	17.8	18.8	16.6	13.0	14.7	7.9	5.7	6.7	6.5	3.3	4.8
13	20.4	17.6	19.0	15.6	10.6	13.5	7.4	6.1	6.7	8.4	5.2	6.6
14	20.5	17.2	19.3	11.2	9.0	10.2	7.1	6.3	6.6	9.3	6.1	7.7
15	17.6	14.9	16.2	12.1	9.0	10.5	7.6	5.4	6.5	9.6	7.2	8.6
16	16.5	13.1	14.8	14.0	10.2	12.2	9.5	5.8	7.4	8.5	5.7	7.1
17	15.1	13.1	14.3	16.1	13.4	15.1	10.0	6.6	8.3	7.8	6.0	7.0
18	15.9	13.3	14.6	18.0	15.2	16.4	7.4	5.4	6.5	9.9	7.6	9.0
19	16.2	12.9	14.6	18.3	15.4	17.4	7.4	5.3	6.4	9.3	5.1	7.5
20	17.0	13.5	15.2	15.4	13.1	14.0	5.6	3.8	4.7	6.0	3.6	4.8
21	17.9	14.2	16.2	14.3	11.8	13.0	5.3	2.8	4.0	6.4	3.3	4.7
22	17.8	15.3	16.5	14.1	11.5	12.8	6.4	3.2	4.7	6.8	3.7	5.2
23	16.9	13.9	15.6	14.4	11.6	13.0	10.6	4.8	6.9	6.0	3.6	4.9
24	16.7	13.9	15.3	14.0	10.8	13.0	10.6	7.2	9.4	8.2	3.8	5.9
25	17.0	14.3	15.6	10.8	8.4	9.6	7.2	5.3	6.1	9.6	5.8	8.1
26	17.8	15.8	16.9	10.9	7.9	9.4	6.8	4.3	5.5	5.8	5.3	5.5
27	17.7	15.2	17.0	12.9	10.0	11.3	7.0	4.3	5.6	7.2	5.1	6.0
28	15.2	13.6	14.2	13.4	9.8	12.4	7.7	4.6	6.1	5.4	3.1	4.3
29	15.2	12.8	14.0	9.8	6.9	8.3	9.6	6.1	7.8	5.7	2.8	4.2
30	15.7	12.6	14.2	8.4	5.8	7.1	10.5	7.6	9.3	7.6	4.4	5.9
31	16.5	13.5	15.0	---	---	---	8.3	5.9	7.1	6.9	4.4	5.6
MONTH	20.5	12.6	16.3	21.0	5.8	13.8	11.5	2.8	6.9	14.8	2.8	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.2	4.4	5.7	14.2	9.1	11.4	14.7	10.4	12.1	20.1	18.0	18.9
2	5.9	4.0	5.2	16.5	12.9	14.3	15.7	10.1	12.7	19.5	17.4	18.8
3	7.1	3.9	5.4	17.5	13.9	15.4	17.7	11.4	14.2	17.4	14.8	16.1
4	7.4	4.7	5.9	17.8	14.9	16.1	16.9	11.8	14.0	17.4	12.9	15.2
5	6.4	6.0	6.2	17.4	15.3	16.3	16.8	10.7	13.5	19.4	13.9	16.6
6	7.7	6.1	6.7	17.7	16.0	16.8	17.9	11.5	14.4	21.5	16.3	18.7
7	7.6	5.1	6.4	17.8	13.6	15.5	18.5	12.7	15.4	22.7	17.7	20.0
8	6.7	3.8	5.2	14.8	11.1	12.7	18.9	15.0	16.6	23.4	18.1	20.6
9	6.9	5.2	5.9	13.5	9.8	11.3	19.7	14.3	16.7	23.8	19.3	21.3
10	7.5	5.7	6.6	13.2	8.6	10.7	18.5	13.6	15.9	23.5	19.5	21.2
11	8.6	7.2	7.9	13.9	8.2	10.8	16.8	14.9	16.0	23.6	20.1	21.5
12	8.3	6.8	7.3	14.8	9.6	11.8	18.2	15.1	16.4	22.8	20.5	21.3
13	9.4	6.6	8.0	14.7	9.6	11.8	15.2	11.8	14.1	22.2	20.3	21.1
14	9.0	8.5	8.8	15.9	11.1	13.3	14.2	10.5	12.1	22.6	20.2	21.0
15	9.0	8.2	8.7	17.4	13.8	15.3	16.9	10.9	13.7	23.7	19.5	21.3
16	8.2	7.1	7.7	17.6	14.4	15.7	18.4	12.3	15.2	24.1	19.8	21.5
17	8.0	6.6	7.3	16.9	12.5	14.3	19.7	13.9	16.6	23.4	20.2	21.4
18	9.6	6.0	7.6	14.7	11.5	13.1	20.9	15.0	17.7	22.8	20.2	21.2
19	10.3	6.1	8.1	18.3	11.8	14.6	21.5	16.1	18.6	23.6	20.3	21.6
20	10.5	7.9	9.2	18.6	13.2	15.7	21.4	17.1	19.1	24.4	20.2	22.1
21	12.8	9.9	11.0	17.7	12.3	15.6	20.3	17.3	18.7	25.3	21.0	23.0
22	12.1	8.4	10.0	14.3	9.5	11.6	21.8	16.9	19.1	24.2	21.9	22.9
23	9.7	8.6	9.2	14.0	7.9	10.7	21.9	17.6	19.6	25.0	21.3	22.9
24	10.4	9.3	9.8	15.8	9.2	12.1	22.2	17.8	20.0	24.6	20.8	22.6
25	10.2	8.5	9.6	17.9	11.3	14.2	22.8	18.6	20.6	26.1	21.8	23.6
26	8.5	5.4	6.2	19.8	13.3	16.1	20.4	17.5	19.1	26.6	22.3	24.1
27	7.2	5.4	6.1	20.1	14.3	16.9	19.4	15.6	17.2	26.6	22.4	24.0
28	10.0	5.0	7.2	21.2	14.9	17.7	19.2	13.9	16.5	26.2	22.4	23.8
29	10.8	6.6	8.6	19.1	16.5	17.3	19.4	15.4	17.3	24.2	22.1	23.0
30	---	---	---	18.0	15.3	16.5	19.1	17.6	18.3	25.7	21.7	23.5
31	---	---	---	16.6	12.3	14.6	---	---	---	23.6	21.3	22.4
MONTH	12.8	3.8	7.5	21.2	7.9	14.2	22.8	10.1	16.4	26.6	12.9	21.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.3	20.6	21.4	24.0	22.2	23.0	27.2	24.2	25.5	25.1	23.0	23.8
2	23.2	19.4	21.1	23.5	22.4	22.9	---	24.4	---	24.1	22.7	23.1
3	24.0	19.5	21.4	25.1	22.6	23.7	---	---	---	24.1	22.2	22.9
4	24.6	20.6	22.2	28.4	22.9	24.5	---	---	---	24.1	21.5	22.6
5	24.5	19.6	21.8	26.5	23.7	25.1	---	---	---	24.4	21.5	22.8
6	24.7	20.5	22.4	27.5	23.7	25.1	---	---	---	23.4	21.9	22.6
7	24.2	21.0	22.2	26.4	22.7	24.5	---	---	---	23.0	22.0	22.5
8	23.0	21.2	21.8	27.0	23.1	24.8	---	---	---	23.0	21.8	22.4
9	22.7	21.4	22.0	26.3	23.3	24.7	23.9	---	---	23.5	21.1	22.3
10	25.9	21.3	23.3	26.8	23.6	25.0	22.3	21.0	21.6	23.8	21.5	22.5
11	27.5	22.3	24.6	27.8	23.8	25.5	24.1	20.3	22.1	23.7	21.4	22.4
12	28.4	23.0	25.4	27.5	24.0	25.2	23.1	21.9	22.5	23.9	21.4	22.4
13	25.3	23.2	24.1	28.0	23.8	25.6	22.7	20.4	21.5	22.7	21.2	21.9
14	25.0	23.0	23.9	28.4	23.9	25.9	22.7	19.2	20.9	22.4	20.3	21.2
15	25.3	23.4	24.1	27.7	23.7	25.2	23.5	20.4	21.8	21.2	20.4	20.8
16	25.9	23.4	24.4	26.4	22.1	24.0	23.9	21.4	22.4	22.9	18.1	21.4
17	26.3	23.5	24.9	26.3	23.0	24.2	24.8	21.5	22.9	---	---	---
18	26.9	23.9	25.2	26.2	23.2	24.4	25.1	21.5	23.1	---	---	---
19	27.8	24.1	25.6	27.1	22.5	24.3	25.5	21.6	23.2	---	---	---
20	27.7	23.6	25.3	26.8	21.7	23.8	24.7	22.1	23.4	---	---	---
21	---	23.9	---	27.1	22.2	24.3	24.5	22.8	23.5	---	---	---
22	26.8	---	---	27.2	22.7	24.7	25.6	22.6	23.9	---	---	---
23	25.8	23.2	24.2	28.6	23.5	25.6	24.9	23.0	23.7	20.8	---	---
24	24.3	23.2	23.7	29.2	23.9	25.8	25.4	22.5	23.8	21.6	18.8	20.1
25	25.1	22.9	23.9	27.2	23.8	25.3	23.7	23.1	23.4	21.9	19.4	20.5
26	24.2	23.1	23.6	25.5	23.7	24.5	25.1	22.5	23.7	21.4	18.9	20.2
27	26.0	22.6	23.8	25.0	23.8	24.4	25.8	22.5	23.9	24.4	19.8	20.5
28	24.2	23.1	23.5	25.5	23.5	24.5	26.7	22.8	24.4	24.4	20.1	20.6
29	24.1	22.4	23.3	26.6	23.4	24.3	27.1	23.3	24.5	20.8	19.6	20.2
30	23.8	22.6	23.1	26.1	24.0	24.9	26.3	23.3	24.6	20.7	18.6	19.6
31	---	---	---	27.0	24.0	25.2	26.4	23.0	24.3	---	---	---
MONTH	---	---	---	29.2	21.7	24.7	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.7	8.8	9.2	---	---	---	---	---	---	12.8	11.5	12.0
2	10.0	8.8	9.3	---	---	---	---	---	---	12.1	11.0	11.6
3	10.5	8.9	9.5	---	---	---	---	---	---	11.3	10.2	10.9
4	10.3	8.7	9.5	8.2	7.3	7.8	11.9	11.4	11.7	11.0	9.9	10.5
5	10.2	8.4	9.1	7.9	7.0	7.4	11.7	11.4	11.5	10.4	9.6	10.0
6	10.3	7.7	8.9	7.5	6.7	7.2	11.8	11.5	11.7	12.1	10.3	11.2
7	8.9	7.6	8.2	7.5	7.1	7.3	12.3	11.7	12.0	13.4	12.0	12.9
8	9.3	7.8	8.7	8.2	7.5	8.0	12.3	11.6	12.0	---	---	---
9	8.5	8.2	8.4	8.8	8.1	8.5	12.1	11.1	11.6	---	---	---
10	8.7	8.2	8.5	9.6	8.8	9.3	11.1	10.3	10.5	---	---	---
11	8.8	8.5	8.6	9.8	8.5	9.4	11.3	10.4	10.9	---	---	---
12	9.1	8.3	8.7	9.3	8.1	8.9	11.8	11.3	11.5	---	---	---
13	9.1	7.7	8.6	9.5	8.2	8.9	11.8	11.2	11.5	---	---	---
14	9.0	7.9	8.5	10.5	9.5	10.1	12.0	11.4	11.7	---	---	---
15	9.5	7.9	8.5	10.7	10.0	10.4	11.9	11.4	11.6	---	---	---
16	9.1	8.2	8.7	10.4	9.5	10.1	11.9	10.4	11.4	---	---	---
17	9.6	8.6	9.0	9.6	6.6	7.9	11.2	10.3	10.9	---	---	---
18	9.4	8.6	9.0	8.3	6.9	7.5	11.8	11.2	11.5	---	---	---
19	9.7	8.7	9.1	8.0	7.5	7.8	12.0	11.3	11.6	---	---	---
20	9.7	8.7	9.2	8.6	8.0	8.4	12.6	11.9	12.3	---	---	---
21	9.8	8.3	9.0	9.0	8.6	8.8	13.1	12.2	12.7	---	---	---
22	9.9	8.4	8.9	9.1	8.5	8.8	13.1	11.9	12.5	---	---	---
23	10.2	8.6	9.2	8.9	8.3	8.6	12.4	10.3	11.7	---	---	---
24	10.2	8.8	9.3	8.4	7.9	8.2	11.2	10.5	10.7	---	---	---
25	10.4	8.6	9.4	8.8	8.3	8.5	12.3	11.1	11.9	---	---	---
26	---	---	---	8.8	8.0	8.4	12.8	11.8	12.3	---	---	---
27	---	---	---	---	---	---	12.8	11.9	12.3	---	---	---
28	---	---	---	---	---	---	12.7	11.7	12.2	---	---	---
29	---	---	---	---	---	---	12.2	10.7	11.7	---	---	---
30	---	---	---	---	---	---	11.4	10.3	11.0	---	---	---
31	---	---	---	---	---	---	12.4	11.0	11.8	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	11.7	9.9	10.8	9.0	7.5	8.4	8.2	4.7	6.8
2	---	---	---	11.1	9.5	10.1	9.8	8.1	9.0	9.0	7.2	8.1
3	---	---	---	11.1	9.3	10.1	10.4	8.5	9.3	8.5	7.5	8.0
4	---	---	---	11.3	9.1	10	10.4	8.7	9.4	9.2	8.0	8.6
5	11.6	11.4	11.5	11.3	9.0	9.9	10.7	8.6	9.5	8.8	7.2	8.1
6	11.9	11.1	11.5	9.9	8.7	9.2	10.6	7.9	9.2	8.7	7.6	8.1
7	11.8	11.1	11.4	10.8	8.9	9.7	10.5	7.7	8.9	8.8	7.5	8.0
8	12.5	11.7	12.0	11.7	9.4	10.5	10.2	7.8	8.7	8.9	7.5	8.2
9	12.0	11.5	11.8	12.1	10.2	11.0	10.8	7.9	8.9	9.0	7.3	8.1
10	11.8	11.1	11.5	12.3	10.3	11.1	11.0	8.0	9.3	9.1	7.3	8.0
11	11.5	10.8	11.2	12.6	10.2	11.2	8.7	4.9	7.4	9.1	7.1	7.9
12	12.1	10.8	11.6	12.2	10.0	10.8	5.5	2.1	3.7	9.0	6.8	7.9
13	11.6	10.7	11.2	12.6	10.0	11.0	6.7	4.2	5.5	8.1	6.9	7.6
14	11.4	10.8	11.0	12.3	9.3	10.7	8.0	6.6	7.3	8.0	6.9	7.4
15	11.3	10.7	11.0	11.8	8.8	10.0	8.5	6.9	7.7	7.9	7.1	7.5
16	11.6	11.1	11.4	11.2	8.8	9.7	9.1	7.4	8.2	8.7	7.4	8.0
17	11.9	11.3	11.5	11.6	8.9	10.1	8.9	7.3	8.0	8.3	7.1	7.8
18	11.9	11.1	11.5	12.0	9.4	10.4	8.8	7.1	7.8	8.0	6.8	7.3
19	11.9	10.8	11.3	11.6	8.9	10.1	9.3	7.4	8.4	8.0	6.8	7.3
20	11.4	10.4	11.0	11.5	8.4	9.8	9.6	7.8	8.5	8.0	6.7	7.3
21	11.0	10.2	10.5	10.7	8.1	9.4	9.8	8.0	8.6	8.1	6.4	7.2
22	11.5	10.3	10.9	12.1	9.2	10.5	9.7	7.7	8.6	8.1	6.1	6.8
23	11.5	10.5	11.0	12.2	9.8	10.8	9.5	7.5	8.4	7.7	6.0	6.9
24	11.4	10.3	10.8	11.8	9.4	10.5	9.5	7.5	8.3	7.7	6.0	6.8
25	11.2	10.3	10.7	11.5	8.3	9.8	9.6	7.3	8.3	7.6	5.4	6.4
26	12.5	10.9	11.9	10.5	8.1	9.1	8.1	7.1	7.6	7.9	5.6	6.7
27	12.4	11.5	12.1	10.3	7.7	8.8	8.0	7.2	7.6	8.4	5.7	6.9
28	12.6	11.0	11.8	10.6	7.6	8.8	8.9	7.5	8.1	8.4	5.7	6.9
29	12.3	10.7	11.5	10.7	7.7	8.7	9.1	7.6	8.3	8.3	5.9	7.0
30	---	---	---	8.9	6.9	7.9	8.9	7.4	8.2	8.4	6.3	7.2
31	---	---	---	8.2	6.9	7.6	---	---	---	8.1	6.4	7.4
MONTH	---	---	---	12.6	6.9	9.9	11.0	2.1	8.2	9.2	4.7	7.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.9	7.2	7.5	7.6	7.1	7.4	6.5	5.9	6.2	8.0	6.3	6.9
2	8.3	7.3	7.8	7.5	7.1	7.3	---	---	---	8.1	6.9	7.5
3	8.5	7.1	7.8	7.3	6.8	7.1	---	---	---	7.8	7.1	7.4
4	8.9	7.1	7.8	7.3	6.7	7.0	---	---	---	8.1	7.2	7.6
5	9.7	7.1	8.1	7.2	6.6	7.0	---	---	---	8.3	7.1	7.6
6	10.0	7.0	8.2	7.3	6.7	6.9	---	---	---	8.5	6.9	7.6
7	10.2	6.9	7.9	7.5	6.5	7.0	---	---	---	8.7	6.7	8.2
8	8.0	6.6	7.3	7.9	6.6	7.1	---	---	---	8.1	7.8	7.9
9	8.3	6.3	7.1	8.2	6.5	7.2	9.0	---	---	8.5	7.9	8.2
10	8.1	6.2	7.0	8.3	6.3	7.1	9.2	7.7	8.3	9.0	8.1	8.7
11	8.3	5.4	7.2	7.9	5.9	6.7	9.8	7.7	8.6	9.4	8.7	9.0
12	8.5	7.5	8.1	8.7	6.0	6.9	8.7	7.7	8.2	9.7	8.8	9.2
13	8.5	6.6	7.8	9.1	5.8	7.1	8.7	8.1	8.4	10.1	9.0	9.5
14	8.5	7.3	7.8	9.8	5.7	6.9	9.0	8.3	8.6	10.7	9.3	9.8
15	8.2	7.3	7.6	10.2	5.7	7.2	9.1	8.3	8.6	10.8	9.3	9.9
16	8.1	7.6	7.8	9.7	5.1	7.2	9.4	8.0	8.6	9.9	9.1	9.5
17	7.8	7.1	7.5	10.4	4.8	6.7	9.7	8.2	8.8	---	---	---
18	7.6	7.0	7.3	7.0	5.5	6.3	10.3	8.0	8.9	---	---	---
19	7.8	6.9	7.3	8.1	5.6	6.5	10.8	7.9	8.9	---	---	---
20	8.4	6.5	7.5	9.3	5.3	6.8	10.8	7.6	8.9	---	---	---
21	---	---	---	9.8	5.4	7.3	8.4	7.1	8.0	---	---	---
22	---	---	---	10.6	5.7	7.6	8.7	6.9	7.7	---	---	---
23	---	---	---	10.6	5.5	7.3	9.2	7.0	7.9	---	---	---
24	---	---	---	10.2	5.5	7.1	9.7	7.4	8.5	8.1	7.4	7.7
25	---	---	---	7.6	5.4	6.2	8.2	6.7	7.6	8.1	7.2	7.6
26	---	---	---	7.6	5.8	6.7	7.3	6.7	6.9	8.4	7.3	7.7
27	---	---	---	7.0	5.1	5.9	7.6	6.6	7.0	8.5	7.4	7.8
28	---	---	---	7.4	5.9	6.5	8.1	6.4	7.0	8.5	7.8	8.1
29	7.5	---	---	6.7	5.8	6.3	8.4	6.1	6.8	8.1	7.7	7.9
30	7.6	7.2	7.4	6.3	5.6	6.0	7.3	6.2	6.7	8.1	7.5	7.8
31	---	---	---	6.3	5.9	6.1	7.9	6.4	7.0	---	---	---
MONTH	---	---	---	10.6	4.8	6.9	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.5	<5.0	5.7	27	12	14	14	5.9	7.4	9.5	<5.0	5.4
2	12	<5.0	5.3	13	11	12	19	5.8	8.4	13	<5.0	5.0
3	7.6	<5.0	5.3	14	<5.0	6.0	16	<5.0	7.0	13	<5.0	<5.0
4	13	<5.0	<5.0	110	5.9	14	28	<5.0	17	10	<5.0	<5.0
5	8.1	<5.0	<5.0	520	<5.0	5.6	17	9.8	13	340	<5.0	5.0
6	190	<5.0	<5.0	480	37	74	16	5.0	12	160	19	42
7	86	9.5	17	38	9.2	18	12	<5.0	<5.0	20	6.7	12
8	780	9.6	92	12	5.2	7.0	5.4	<5.0	<5.0	8.8	<5.0	<5.0
9	41	7.9	21	10	5.4	6.9	8.5	<5.0	<5.0	41	<5.0	21
10	17	<5.0	6.8	13	5.1	6.4	310	7.7	140	15	6.4	9.6
11	12	6.1	7.8	10	<5.0	5.5	110	21	45	8.4	<5.0	<5.0
12	11	<5.0	6.5	---	<5.0	---	22	6.4	10	<5.0	<5.0	<5.0
13	6.8	<5.0	5.1	---	---	---	70	5.2	19	5.1	<5.0	<5.0
14	16	<5.0	<5.0	---	---	---	110	32	60	5.4	<5.0	<5.0
15	14	<5.0	<5.0	---	---	---	33	8.7	16	5.2	<5.0	<5.0
16	11	<5.0	<5.0	---	---	---	83	<5.0	6.2	6.0	<5.0	<5.0
17	22	<5.0	5.7	---	---	---	100	21	31	29	<5.0	<5.0
18	10	<5.0	7.3	170	<5.0	---	23	7.7	12	68	15	24
19	9.3	<5.0	<5.0	860	67	190	9.5	<5.0	6.1	18	5.1	7.9
20	6.6	<5.0	<5.0	68	18	29	35	5.5	12	19	<5.0	<5.0
21	7.2	<5.0	<5.0	44	9.5	13	11	5.1	6.6	8.7	<5.0	<5.0
22	13	<5.0	6.9	14	7.1	9.2	16	5.3	8.6	6.8	<5.0	<5.0
23	12	5.1	6.4	14	6.0	7.1	220	9.1	16	10	<5.0	<5.0
24	14	5.3	6.6	51	6.3	22	130	22	51	5.6	<5.0	<5.0
25	9.0	5.3	5.6	19	12	15	24	7.5	12	280	<5.0	130
26	940	5.5	260	24	8.2	10	16	<5.0	5.7	130	20	44
27	270	35	66	160	8.1	9.7	18	<5.0	5.0	21	7.5	11
28	39	19	28	130	24	54	30	<5.0	7.7	9.7	<5.0	6.1
29	21	14	17	31	11	16	52	6.5	24	5.4	<5.0	<5.0
30	21	12	14	20	7.0	10	110	11	43	5.0	<5.0	<5.0
31	28	12	15	---	---	---	20	7.8	14	<5.0	<5.0	<5.0
MAX	940	35	260	---	---	---	310	32	140	340	20	130
MIN	6.6	5.0	5.0	---	---	---	5.4	5.0	5.0	5.0	5.0	5.0

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.3	<5.0	<5.0	---	<5.0	---	16	9.1	10	680	<5.0	10
2	450	<5.0	<5.0	10	<5.0	<5.0	15	<5.0	<5.0	760	37	140
3	460	28	70	8.5	<5.0	<5.0	16	<5.0	<5.0	44	11	20
4	29	11	19	8.4	<5.0	<5.0	20	<5.0	<5.0	55	5.5	9.4
5	14	6.5	9.2	10	<5.0	<5.0	13	<5.0	<5.0	55	<5.0	6.2
6	310	6.1	140	84	<5.0	26	29	<5.0	5.8	9.1	<5.0	6.2
7	110	19	39	22	6.1	11	26	<5.0	<5.0	19	<5.0	6.2
8	20	7.8	12	9.0	<5.0	5.4	8.2	<5.0	<5.0	11	<5.0	5.2
9	11	5.9	7.2	13	<5.0	<5.0	12	<5.0	<5.0	6.5	<5.0	<5.0
10	11	<5.0	6.1	10	<5.0	6.3	8.0	<5.0	<5.0	7.1	<5.0	<5.0
11	15	<5.0	6.1	6.4	<5.0	<5.0	160	<5.0	17	12	<5.0	<5.0
12	300	15	110	7.5	<5.0	<5.0	1000	5.9	11	140	<5.0	<5.0
13	59	14	26	8.0	<5.0	<5.0	410	40	150	160	14	39
14	68	13	47	13	<5.0	<5.0	49	13	21	15	<5.0	6.7
15	120	23	84	7.4	<5.0	<5.0	---	---	---	9.3	<5.0	<5.0
16	85	14	28	12	<5.0	<5.0	26	<5.0	6.8	6.7	<5.0	<5.0
17	17	6.8	9.2	7.2	<5.0	<5.0	12	<5.0	6.1	17	<5.0	5.8
18	8.7	5.5	6.6	6.4	<5.0	<5.0	39	<5.0	5.5	32	<5.0	5.5
19	7.4	<5.0	5.7	12	<5.0	<5.0	12	<5.0	<5.0	6.9	<5.0	<5.0
20	9.2	<5.0	5.7	11	<5.0	<5.0	19	<5.0	<5.0	7.7	<5.0	<5.0
21	7.5	<5.0	5.4	11	<5.0	6.0	10	<5.0	6.1	9.2	<5.0	<5.0
22	12	<5.0	6.6	7.3	<5.0	5.2	21	5.1	11	22	<5.0	<5.0
23	18	<5.0	7.4	14	<5.0	5.5	---	---	---	22	5.9	8.5
24	14	<5.0	7.8	6.2	<5.0	<5.0	---	<5.0	---	9.6	<5.0	5.2
25	42	<5.0	9.5	7.6	<5.0	<5.0	8.6	<5.0	<5.0	8.5	<5.0	<5.0
26	51	23	33	9.9	<5.0	<5.0	110	<5.0	34	13	<5.0	<5.0
27	40	14	26	14	<5.0	<5.0	30	6.3	13	10	<5.0	<5.0
28	---	---	---	9.7	<5.0	<5.0	10	<5.0	<5.0	18	<5.0	<5.0
29	---	---	---	9.2	<5.0	<5.0	6.8	<5.0	<5.0	9.4	<5.0	<5.0
30	---	---	---	170	5.8	54	6.4	<5.0	<5.0	9.0	<5.0	<5.0
31	---	---	---	29	10	14	---	---	---	750	<5.0	53
MAX	---	---	---	---	10	---	---	---	---	760	37	140
MIN	---	---	---	---	5.0	---	---	---	---	6.5	5.0	5.0

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	45	7.2	13	34	9.1	16	31	5.6	6.9	950	<5.0	22
2	8.6	<5.0	<5.0	---	---	---	---	5.6	---	200	22	61
3	23	<5.0	<5.0	---	---	---	---	---	---	23	5.2	9.3
4	15	<5.0	5.2	630	5.4	16	---	---	---	12	<5.0	<5.0
5	10	<5.0	<5.0	400	18	46	---	---	---	12	<5.0	<5.0
6	7.3	<5.0	<5.0	18	5.7	8.2	---	---	---	12	<5.0	<5.0
7	160	<5.0	<5.0	7.4	<5.0	<5.0	---	---	---	520	5.9	180
8	44	6.4	9.9	6.4	<5.0	<5.0	---	---	---	160	13	30
9	140	<5.0	7.2	12	<5.0	<5.0	7.1	<5.0	<5.0	16	<5.0	6.9
10	61	<5.0	<5.0	27	<5.0	6.2	5.2	<5.0	<5.0	7.3	<5.0	<5.0
11	11	<5.0	<5.0	30	<5.0	6.2	6.0	<5.0	<5.0	7.9	<5.0	5.6
12	7.1	<5.0	<5.0	8.3	<5.0	<5.0	540	<5.0	140	7.1	<5.0	<5.0
13	840	<5.0	220	9.2	<5.0	<5.0	78	20	36	7.4	<5.0	<5.0
14	590	35	92	<5.0	<5.0	<5.0	21	6.0	9.2	7.5	<5.0	<5.0
15	320	12	25	<5.0	<5.0	<5.0	11	<5.0	<5.0	18	<5.0	<5.0
16	180	30	57	<5.0	<5.0	<5.0	7.7	<5.0	<5.0	770	<5.0	37
17	71	11	20	10	<5.0	<5.0	25	<5.0	5.0	630	---	---
18	15	5.8	9.3	130	8.4	18	8.0	<5.0	<5.0	---	---	---
19	10	<5.0	5.7	9.7	<5.0	6.7	15	<5.0	<5.0	---	---	---
20	7.8	<5.0	<5.0	11	<5.0	<5.0	220	<5.0	13	---	---	---
21	---	<5.0	---	8.3	<5.0	<5.0	110	11	26	---	---	---
22	250	---	---	13	<5.0	<5.0	20	<5.0	6.2	---	---	---
23	400	13	34	21	<5.0	5.9	13	<5.0	<5.0	9.2	<5.0	5.9
24	110	14	28	520	<5.0	15	6.6	<5.0	<5.0	9.0	<5.0	5.0
25	540	7.8	40	840	8.1	20	570	<5.0	5.3	16	<5.0	5.3
26	120	16	37	650	35	81	98	8.4	21	9.6	<5.0	<5.0
27	460	7.8	15	660	13	24	14	<5.0	6.5	470	<5.0	7.3
28	610	30	98	740	64	140	16	<5.0	5.2	260	34	90
29	220	20	51	510	43	86	490	<5.0	<5.0	35	12	18
30	44	10	16	220	38	66	21	<5.0	10	12	5.5	7.1
31	---	---	---	96	10	22	9.8	<5.0	<5.0	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2004 Water Year

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°48'10", long 84°20'27", referenced to North American Datum (NAD) of 1927, DeKalb County, Hydrologic Unit Code 03130001, on right downstream side of Johnson RD, 0.2 miles east of US 23, 0.8 miles downstream of Peavine Creek, and 2.8 miles upstream of confluence with Peachtree Creek.

DRAINAGE AREA.—28.7 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 11, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples with no medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
15...	0910	--	9	9	81345	3.13	9.8	6.2	746	8.9	90	7.3	132
15...	0935	--	9	9	81345	3.14	10	6.0	746	8.9	90	7.3	132
OCT													
26-26	0840	0927	9	J	81345	4.26	134	170	--	8.3	--	7.1	113
OCT													
26-26	1010	1057	9	J	81345	5.84	427	360	--	8.8	--	7.1	91
OCT													
26-26	1140	1227	9	J	81345	5.78	410	330	--	8.8	--	7.0	70
OCT													
26-26	1310	1357	9	J	81345	6.92	779	450	--	8.8	--	7.0	57
OCT													
26-26	1440	1442	9	J	81345	7.88	1140	720	--	8.8	--	7.0	56
OCT													
26-26	1525	1657	9	J	81345	7.41	964	380	--	8.9	--	6.9	48
NOV													
18-18	1944	1946	9	J	81345	3.63	50	40	--	7.1	--	7.2	124
NOV													
18-18	2159	2201	9	J	81345	4.62	166	91	--	7.3	--	7.2	105
NOV													
19-19	0014	0016	9	J	81345	6.10	498	190	--	7.6	--	7.1	76
NOV													
19-19	0229	0231	9	J	81345	11.59	2780	780	--	7.6	--	6.9	43
DEC													
16...	1330	--	9	9	81345	3.50	19	6.6	746	11.6	101	7.1	111
16...	1415	--	9	9	81345	3.50	19	6.6	746	12.0	102	7.2	111
JAN													
05...	1320	--	9	J	81345	3.75	45	51	748	9.9	97	7.0	110
05...	1330	--	9	J	81345	3.90	65	59	748	9.8	96	7.0	110
JAN													
09-09	0440	0442	9	J	81345	3.87	61	22	--	12.5	--	7.2	110
JAN													
09-09	0532	0534	9	J	81345	4.04	83	30	--	12.9	--	7.2	104
JAN													
09-09	0747	0749	9	J	81345	4.41	133	43	--	12.9	--	7.2	95
JAN													
09-09	1002	1004	9	J	81345	4.27	114	33	--	12.7	--	7.2	86
21...	1115	--	9	9	81345	3.56	24	3.8	748	13.6	108	7.3	118
21...	1215	--	9	9	81345	3.58	26	3.6	748	13.7	109	7.3	117
JAN													
25-25	0425	0427	9	J	81345	4.17	100	21	--	11.2	--	7.1	106
JAN													
25-25	0725	0727	9	J	81345	4.90	216	53	--	11.4	--	7.2	88
JAN													
25-25	0940	0942	9	J	81345	6.84	740	200	--	11.0	--	7.1	57
JAN													
25-25	1110	1112	9	J	81345	7.40	960	240	--	11.8	--	6.9	49
FEB													
02...	0945	--	9	9	81345	3.57	29	4.2	--	12.1	--	7.2	125
02...	0955	--	9	9	81345	3.58	28	4.3	--	12.1	--	7.2	125
FEB													
06-06	0815	0817	9	J	81345	4.03	81	42	--	11.4	--	7.2	133
FEB													
06-06	1030	1032	9	J	81345	6.15	513	150	--	11.6	--	7.2	73
FEB													
06-06	1201	1203	9	J	81345	7.31	925	250	--	11.9	--	7.0	54
FEB													
06-06	1246	1248	9	J	81345	7.23	892	260	--	11.9	--	6.9	49
FEB													
06-06	1330	1332	9	J	81345	7.20	880	280	--	11.9	--	6.8	47
FEB													
06-06	1500	1502	9	J	81345	6.78	718	290	--	11.8	--	6.8	46
MAR													
02...	1310	--	9	9	81345	3.57	28	4.8	755	11.2	113	7.4	118
02...	1400	--	9	9	81345	3.58	29	5.1	755	11.4	117	7.5	119
23...	1015	--	9	9	81345	3.51	22	6.5	760	11.8	104	7.6	128
23...	1030	--	9	9	81345	3.51	22	6.5	760	11.9	104	7.6	128

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
15...	15.5	44	2	12.1	3.27	3.28	.4	6.17	22	41.5	.1	8.01	17.6
15...	15.5	43	2	11.9	3.27	3.25	.4	6.07	22	41.4	.1	8.00	17.7
OCT													
26-26	16.8	33	3	9.46	2.27	4.09	.4	4.86	22	30.0	<.02	6.82	9.98
OCT													
26-26	16.9	27	.0	7.69	1.90	4.81	.3	3.97	21	26.1	<.02	5.93	8.19
OCT													
26-26	17.2	20	1	5.82	1.41	3.48	.3	3.41	23	19.0	M	4.68	6.36
OCT													
26-26	17.4	17	.0	5.02	1.07	3.68	.3	2.54	20	16.3	<.02	3.42	4.09
OCT													
26-26	17.5	14	.0	4.10	.88	3.72	.2	1.94	19	13.4	<.02	2.98	2.66
OCT													
26-26	17.6	13	.0	3.88	.84	3.33	.2	1.81	19	12.2	<.02	2.52	3.09
NOV													
18-18	17.3	41	5	11.3	3.00	4.40	.4	5.80	21	35.9	<.02	7.15	15.9
NOV													
18-18	17.5	35	5	9.93	2.46	5.38	.4	4.92	20	30.0	<.02	5.96	12.4
NOV													
19-19	18.0	23	1	6.62	1.58	4.33	.3	3.52	21	21.7	<.02	3.94	8.02
NOV													
19-19	18.3	13	.0	3.98	.83	3.87	.3	2.15	20	13.4	<.02	1.45	4.20
DEC													
16...	8.5	37	5	10.4	2.75	2.65	.4	4.96	21	31.8	<.02	6.42	15.2
16...	8.5	38	7	10.6	2.83	2.72	.4	5.06	21	31.2	<.02	6.41	15.6
JAN													
05...	14.5	77	8	22.2	5.29	3.78	.7	14.3	27	69.5	M	14.7	19.5
05...	14.5	57	8	16.9	3.62	2.92	.6	11.2	29	48.9	.1	12.1	22.5
JAN													
09-09	4.8	30	2	8.97	1.76	2.01	.4	4.93	25	28.1	<.02	6.32	12.0
JAN													
09-09	4.9	36	--	10.9	2.11	2.46	.5	6.67	27	40.0	.1	8.35	14.5
JAN													
09-09	5.0	31	.0	9.44	1.87	2.12	.4	5.38	26	30.5	M	7.08	12.9
JAN													
09-09	5.2	35	--	10.7	2.04	2.36	.4	5.58	24	36.0	.1	8.90	14.2
21...	5.0	43	4	12.5	2.86	2.94	.6	8.41	28	39.1	<.02	12.5	14.4
21...	5.0	46	7	13.4	3.02	2.92	.7	10.7	32	39.2	M	14.7	16.3
JAN													
25-25	8.7	43	4	12.6	2.83	2.93	.6	8.93	29	39.6	<.02	13.3	15.8
JAN													
25-25	9.2	32	.0	9.45	2.09	2.32	.5	5.93	27	31.9	M	9.16	12.5
JAN													
25-25	9.6	66	64	16.7	5.95	3.72	.7	14.0	30	2.5	M	16.1	17.4
JAN													
25-25	9.4	40	3	11.8	2.54	2.81	.5	7.58	27	36.8	<.02	11.2	13.6
FEB													
02...	5.5	41	6	10.7	3.35	2.27	.4	5.78	23	34.6	<.02	7.77	16.2
02...	5.5	40	6	10.6	3.35	2.26	.4	6.05	23	34.5	<.02	7.91	16.0
FEB													
06-06	6.3	43	14	11.8	3.17	2.71	.5	7.71	27	28.4	<.02	10.6	14.8
FEB													
06-06	6.6	22	6	6.46	1.50	2.24	.3	3.28	22	16.6	<.02	4.43	7.27
FEB													
06-06	6.5	16	3	4.66	1.03	1.74	.3	2.31	22	12.8	<.02	3.04	4.54
FEB													
06-06	6.6	14	2	4.07	.86	1.67	.2	1.60	18	11.6	M	2.83	3.87
FEB													
06-06	6.6	22	11	6.34	1.39	2.78	.3	3.37	23	10.2	<.02	2.63	6.39
FEB													
06-06	6.8	14	4	4.18	.88	1.86	.3	2.31	23	10.4	<.02	2.50	4.64
MAR													
02...	15.5	42	8	11.4	3.17	2.38	.4	6.06	23	33.4	<.02	9.11	15.6
02...	16.0	41	8	11.3	3.15	2.18	.4	5.44	21	33.2	<.02	9.06	15.2
23...	9.5	43	6	11.9	3.32	2.71	.5	7.32	25	37.3	<.02	10.3	12.4
23...	9.5	42	5	11.7	3.22	2.57	.5	7.24	26	37.3	<.02	10.2	11.9

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
OCT													
15...	7.0	85	.12	--	<.020	.65	<.020	--	<.100	<.10	.82	470	410
15...	7.0	85	.12	--	<.020	.65	<.020	--	<.100	<.10	.80	580	570
OCT													
26-26	7.7	67	.09	--	<.020	.79	<.020	--	<.100	<.10	1.27	--	--
OCT													
26-26	6.9	58	.08	--	<.020	.72	<.020	--	<.100	<.10	1.36	--	--
OCT													
26-26	5.0	45	.06	--	<.020	.69	<.020	--	<.100	<.10	1.14	--	--
OCT													
26-26	4.3	36	.05	--	<.020	.50	<.020	--	<.100	<.10	1.02	26000	1000
OCT													
26-26	4.9	32	.04	--	<.020	.54	.020	--	<.100	<.10	1.03	--	--
OCT													
26-26	3.8	29	.04	--	<.020	.49	<.020	--	<.100	<.10	.90	22000	15000
NOV													
18-18	6.8	77	.11	.10	.074	.31	<.020	--	<.100	<.10	.39	--	--
NOV													
18-18	6.1	67	.09	.19	.146	.41	<.020	--	<.100	<.10	.74	--	--
NOV													
19-19	4.4	47	.06	.14	.106	.35	<.020	--	<.100	<.10	.45	--	--
NOV													
19-19	2.9	30	.04	.15	.117	.27	<.020	.380	.124	.18	.43	--	--
DEC													
16...	7.5	73	.10	.04	.033	.87	<.020	--	<.100	<.10	1.14	--	--
16...	7.5	74	.10	.04	.028	.88	<.020	--	<.100	<.10	1.13	460	120
JAN													
05...	28.4	155	.21	--	<.020	1.03	<.020	--	<.100	<.10	.93	--	--
05...	18.7	123	.17	--	<.020	1.17	<.020	--	<.100	.62	.95	1400	880
JAN													
09-09	5.9	62	.08	--	<.020	.72	<.020	--	<.100	<.10	1.09	--	--
JAN													
09-09	6.9	81	.11	--	<.020	.99	<.020	--	<.100	<.10	.90	1700	1500
JAN													
09-09	6.5	67	.09	--	<.020	.66	<.020	--	<.100	.33	1.03	1400	1600
JAN													
09-09	7.1	76	.10	--	<.020	.73	<.020	--	<.100	.43	1.01	2700	1600
21...	8.9	89	.12	.11	.082	.73	<.020	--	<.100	<.10	1.07	--	--
21...	8.2	96	.13	.03	.026	.74	<.020	--	<.100	<.10	.84	160	90
JAN													
25-25	8.5	92	.13	--	<.020	.72	<.020	--	<.100	<.10	1.37	--	--
JAN													
25-25	7.2	71	.10	.03	.020	.69	<.020	--	<.100	.23	1.47	--	--
JAN													
25-25	73.4	157	.21	--	<.020	1.19	<.020	--	<.100	<.10	1.14	--	--
JAN													
25-25	8.0	83	.11	.09	.072	.70	<.020	--	<.100	<.10	1.01	--	--
FEB													
02...	7.5	79	.11	.05	.037	1.05	<.020	--	<.100	<.10	1.26	--	--
02...	7.6	80	.11	.05	.037	1.07	<.020	--	<.100	<.10	1.25	360	160
FEB													
06-06	9.0	82	.11	.07	.051	1.01	<.020	--	<.100	<.10	1.22	--	--
FEB													
06-06	6.0	45	.06	.11	.087	.80	<.020	--	<.100	<.10	1.13	--	--
FEB													
06-06	4.2	32	.04	.18	.140	.58	<.020	--	<.100	<.10	1.09	--	--
FEB													
06-06	3.9	28	.04	.19	.147	.54	<.020	--	<.100	<.10	.85	--	--
FEB													
06-06	4.1	36	.05	.14	.110	.53	<.020	--	<.100	<.10	.87	--	--
FEB													
06-06	4.2	30	.04	.11	.086	.56	<.020	--	<.100	<.10	.90	--	--
MAR													
02...	7.9	80	.11	--	<.020	.90	<.020	--	<.100	<.10	1.02	--	--
02...	7.8	78	.11	--	<.020	.90	<.020	--	<.100	<.10	.94	160	77
23...	7.3	82	.11	.08	.060	.77	<.020	--	<.100	<.10	.85	--	--
23...	7.4	80	.11	.08	.060	.77	<.020	--	<.100	<.10	.89	220	200

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Total coliform, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)
OCT				
15...	15400	<50.0	<100	60
15...	14200	<50.0	<100	60
OCT				
26-26	--	52.1	<100	40
OCT				
26-26	--	<50.0	<100	40
OCT				
26-26	--	57.5	120	30
OCT				
26-26	120000	65.2	110	20
OCT				
26-26	--	<50.0	<100	20
OCT				
26-26	1300000	<50.0	130	20
NOV				
18-18	--	136	<100	60
NOV				
18-18	--	134	<100	50
NOV				
19-19	--	<100	120	30
NOV				
19-19	--	119	390	20
DEC				
16...	--	<100	180	50
16...	3740	128	160	60
JAN				
05...	--	63.6	140	110
05...	12800k	52.5	110	100
JAN				
09-09	--	34.3	<100	40
JAN				
09-09	19000	46.6	120	50
JAN				
09-09	18000	44.6	<100	50
JAN				
09-09	25000	<30.0	<100	50
21...	--	52.6	<100	60
21...	2060	60.3	<100	60
JAN				
25-25	--	31.9	130	60
JAN				
25-25	--	33.4	180	40
JAN				
25-25	--	39.2	370	80
JAN				
25-25	--	42.3	<100	50
FEB				
02...	--	45.1	160	60
02...	1740	48.4	160	60
FEB				
06-06	--	22.8	120	70
FEB				
06-06	--	22.0	200	30
FEB				
06-06	--	27.9	<100	20
FEB				
06-06	--	18.4	<100	20
FEB				
06-06	--	29.3	350	30
FEB				
06-06	--	24.4	360	20
MAR				
02...	--	67.5	130	70
02...	1950	38.0	180	70
23...	--	61.8	370	70
23...	4060	40.1	380	70

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
MAR													
30-30	1030	1032	9	J	81345	5.04	243	120	--	8.9	--	7.1	66
MAR													
30-30	1200	1202	9	J	81345	4.72	184	110	--	8.8	--	7.1	58
APR													
08...	1115	--	9	9	81345	3.42	15	5.6	739	10.0	107	7.5	126
08...	1130	--	9	9	81345	3.42	24	5.2	739	10.3	110	7.5	126
MAY													
01-01	2328	2330	9	J	81345	4.66	173	570	--	6.6	--	6.8	80
MAY													
02-02	0013	0015	9	J	81345	7.70	1070	680	--	7.9	--	6.8	57
MAY													
02-02	0058	0100	9	J	81345	8.12	1240	500	--	8.5	--	6.8	48
MAY													
02-02	0143	0145	9	J	81345	8.35	1340	600	--	8.6	--	6.7	44
MAY													
02-02	0228	0230	9	J	81345	8.15	1260	720	--	8.6	--	6.6	40
MAY													
02-02	0358	0400	9	J	81345	7.50	997	570	--	8.9	--	6.6	37
MAY													
03-03	0800	0815	9	J	81345	3.64	27	26	743	8.9	91	7.1	82
MAY													
03-03	0805	0820	9	J	81345	3.64	27	28	743	8.9	91	7.2	83
17...	1115	--	9	9	81345	3.37	9.5	6.5	757	8.6	99	7.3	119
17...	1145	--	9	9	81345	3.37	9.5	6.6	757	8.6	100	7.2	118
MAY													
31-31	0719	0721	9	J	81345	4.52	150	430	--	7.3	--	6.9	105
MAY													
31-31	0804	0806	9	J	81345	5.15	265	300	--	7.5	--	7.0	90
MAY													
31-31	0849	0851	9	J	81345	5.03	241	340	--	7.4	--	6.9	94
MAY													
31-31	0934	0936	9	J	81345	5.00	235	370	--	7.5	--	6.9	93
MAY													
31-31	1104	1106	9	J	81345	4.86	208	750	--	7.7	--	6.9	83
MAY													
31-31	1244	1246	9	J	81345	4.48	144	180	--	7.6	--	6.8	74
JUN													
07...	0830	--	9	9	81345	3.18	4.9	5.6	749	7.8	89	7.2	148
07...	0835	--	9	9	81345	3.18	4.9	7.2	749	7.6	87	7.2	149
AUG													
05...	1010	--	9	9	81345	3.43	10	7.3	749	8.2	101	7.2	126
05...	1015	--	9	9	81345	3.43	10	5.3	749	8.1	100	7.2	125
SEP													
15...	0800	--	9	9	81345	3.42	15	4.0	746	8.2	93	7.3	121
SEP													
16-16	0915	0920	9	J	81345	3.78	53	34	739	7.6	89	7.2	128
SEP													
16-16	0918	0923	9	J	81345	3.78	53	30	739	9.1	106	7.0	127
SEP													
16-16	1345	1400	9	J	81345	4.88	212	96	739	9.4	111	7.0	96
SEP													
16-16	1348	1403	9	J	81345	4.88	212	130	739	8.1	97	7.3	90
SEP													
16-16	1455	1505	9	J	81345	6.03	478	160	733	9.4	113	6.9	77
SEP													
16-16	1458	1508	9	J	81345	6.03	478	180	733	8.3	100	7.2	72
SEP													
16-16	1610	1627	9	J	81345	10.58	2340	800	733	8.4	102	6.8	33
SEP													
16-16	1613	1630	9	J	81345	10.58	2340	630	733	9.8	118	6.7	39
SEP													
16-16	1815	1828	9	J	81345	16.20	4570	660	734	9.8	110	6.2	30
SEP													
16-16	1818	1831	9	J	81345	16.20	4570	550	734	8.4	102	6.6	30
SEP													
16-16	1833	1835	9	J	81345	16.07	4590	700	--	9.7	--	6.2	30
SEP													
16-16	2003	2005	9	J	81345	15.76	4490	410	--	--	--	6.2	33
SEP													
16-16	2133	2135	9	J	81345	15.07	4230	460	--	9.7	--	6.1	30
SEP													
16-16	2303	2305	9	J	81345	14.34	3930	490	--	9.7	--	6.1	31
SEP													
17-17	0033	0035	9	J	81345	13.46	3580	510	--	9.6	--	6.1	31

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
MAR 30-30	15.5	--	--	--	--	--	--	--	--	19.7	--	--	--
MAR 30-30	16.5	--	--	--	--	--	--	--	--	19.8	--	--	--
APR 08...	17.0	39	1	10.6	3.00	2.65	.5	6.69	26	37.8	.1	8.30	14.1
08...	17.0	42	4	11.2	3.28	2.54	.4	6.43	24	37.6	.1	8.45	14.7
MAY 01-01	19.1	35	10	10.7	1.90	3.62	.3	4.71	21	24.4	M	3.98	12.7
MAY 02-02	19.0	26	9	8.14	1.40	3.98	.3	3.33	19	17.1	<.02	2.89	7.29
MAY 02-02	19.0	21	7	6.49	1.19	3.35	.3	3.29	22	14.0	<.02	2.18	6.36
MAY 02-02	19.0	19	7	5.82	1.07	3.00	.3	2.88	22	12.1	M	2.00	6.18
MAY 02-02	18.9	13	3	4.03	.82	2.37	.1	1.14	13	10.5	<.02	1.66	4.91
MAY 02-02	18.7	11	3	3.35	.66	2.51	.2	1.71	21	8.3	M	1.46	3.90
MAY 03-03	15.0	28	4	8.10	1.83	2.86	.3	3.67	20	24.3	M	3.88	9.67
MAY 03-03	15.0	28	3	8.10	1.76	3.04	.3	4.11	22	24.5	M	3.91	9.44
17...	22.0	38	2	10.4	2.79	2.96	.4	5.65	23	35.9	.1	7.44	17.1
17...	22.5	37	1	10.3	2.71	3.00	.4	6.07	25	35.6	.1	7.23	16.3
MAY 31-31	21.9	36	8	10.7	2.15	4.03	.3	4.40	19	27.9	M	5.49	11.2
MAY 31-31	22.1	29	5	8.79	1.60	4.08	.3	3.68	19	23.5	M	4.86	8.45
MAY 31-31	21.9	29	8	8.72	1.79	4.20	.3	4.03	20	20.8	M	5.11	9.26
MAY 31-31	22.1	31	7	9.21	2.02	3.60	.4	5.01	23	24.2	.1	6.55	12.5
MAY 31-31	22.2	26	6	7.58	1.59	3.29	.3	3.54	21	19.8	M	4.43	9.86
MAY 31-31	22.1	22	5	6.68	1.34	3.19	.3	3.33	22	17.5	M	3.71	8.59
JUN 07...	21.0	51	9	14.8	3.47	3.20	.4	7.22	22	42.3	.1	9.55	19.2
07...	21.0	50	8	14.5	3.38	3.10	.4	7.29	23	42.4	.1	9.43	18.1
AUG 05...	25.0	41	2	11.7	2.77	3.07	.4	6.04	23	38.3	M	6.8	15.7
05...	25.0	40	3	11.5	2.74	2.94	.4	5.67	22	37.5	M	6.9	15.5
SEP 15...	20.5	--	--	--	--	--	--	--	--	79.4	.1	15.7	--
SEP 16-16	21.5	--	--	--	--	--	--	--	--	35.8	.1	7.44	--
SEP 16-16	21.5	--	--	--	--	--	--	--	--	36.6	.1	7.70	--
SEP 16-16	22.2	--	--	--	--	--	--	--	--	27.2	M	5.51	--
SEP 16-16	22.5	--	--	--	--	--	--	--	--	26.7	M	5.34	--
SEP 16-16	22.5	--	--	--	--	--	--	--	--	21.2	<.02	3.65	--
SEP 16-16	22.5	--	--	--	--	--	--	--	--	20.6	<.02	3.51	--
SEP 16-16	23.0	--	--	--	--	--	--	--	--	12.1	<.02	1.42	--
SEP 16-16	22.4	--	--	--	--	--	--	--	--	12.4	<.02	1.62	--
SEP 16-16	19.3	--	--	--	--	--	--	--	--	7.3	<.02	.92	--
SEP 16-16	23.0	--	--	--	--	--	--	--	--	7.4	<.02	.97	--
SEP 16-16	19.3	--	--	--	--	--	--	--	--	7.6	<.02	.94	--
SEP 16-16	21.3	--	--	--	--	--	--	--	--	8.4	<.02	.99	--
SEP 16-16	22.8	--	--	--	--	--	--	--	--	7.1	<.02	1.00	--
SEP 16-16	20.0	--	--	--	--	--	--	--	--	7.1	<.02	1.02	--
SEP 17-17	20.6	--	--	--	--	--	--	--	--	7.9	<.02	1.02	--

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
MAR													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	6.7	78	.11	.03	.020	.64	<.020	--	<.100	<.10	.67	--	--
08...	6.8	79	.11	.03	.020	.65	.020	--	<.100	<.10	.80	260	230
MAY													
01-01	5.0	59	.08	.03	.027	.22	.040	--	<.100	<.10	.73	--	--
MAY													
02-02	4.5	44	.06	.07	.054	.35	.040	--	<.100	<.10	.79	--	--
MAY													
02-02	3.2	37	.05	.07	.054	.54	<.020	--	<.100	<.10	1.02	--	--
MAY													
02-02	3.1	34	.05	.04	.034	.47	.020	--	<.100	<.10	.91	--	--
MAY													
02-02	2.9	27	.04	.07	.054	.47	.020	--	<.100	<.10	.91	--	--
MAY													
02-02	2.9	24	.03	.07	.056	.50	<.020	--	<.100	<.10	.96	--	--
MAY													
03-03	5.9	53	.07	.05	.042	.46	<.020	--	<.100	<.10	.81	3600	4300
MAY													
03-03	5.9	53	.07	--	<.020	.46	<.020	--	<.100	<.10	1.81	--	--
17...	6.2	77	.11	.04	.033	.63	.020	--	<.100	<.10	.88	--	--
17...	6.0	76	.10	.05	.040	.62	.020	--	<.100	<.10	.82	800	1200
MAY													
31-31	8.5	69	.09	--	<.020	1.19	<.020	--	<.100	<.10	2.17	--	--
MAY													
31-31	8.3	59	.08	--	<.020	1.07	.070	--	<.100	<.10	2.42	--	--
MAY													
31-31	7.7	59	.08	--	<.020	1.12	.080	--	<.100	<.10	2.35	--	--
MAY													
31-31	5.8	63	.09	--	<.020	.83	.060	--	<.100	<.10	1.69	--	--
MAY													
31-31	5.9	52	.07	--	<.020	.79	.080	--	<.100	<.10	1.48	--	--
MAY													
31-31	5.4	47	.06	--	<.020	.78	.070	--	<.100	<.10	1.48	--	--
JUN													
07...	10.1	95	.13	--	<.020	.52	<.020	--	<.100	<.10	.71	820	700
07...	10.0	94	.13	--	<.020	.52	<.020	--	<.100	<.10	.69	--	--
AUG													
05...	6.8	79	.11	--	--	.58	<.010	--	--	--	--	--	--
05...	6.8	77	.11	--	--	.58	<.010	--	--	--	--	430	420
SEP													
15...	48.8	--	--	.14	.110	1.01	<.020	--	<.100	.13	--	--	--
SEP													
16-16	8.1	--	--	.03	.020	.73	<.020	--	<.100	58.5	--	--	--
SEP													
16-16	8.3	--	--	--	<.020	.75	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	6.2	--	--	--	<.020	.63	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	6.1	--	--	--	<.020	.62	.040	--	<.100	<.10	--	--	--
SEP													
16-16	6.1	--	--	--	<.020	.59	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	5.7	--	--	--	<.020	.56	.030	--	<.100	<.10	--	--	--
SEP													
16-16	3.0	--	--	--	<.020	.38	.020	.675	.220	.31	--	--	--
SEP													
16-16	3.2	--	--	--	<.020	.39	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	2.2	--	--	--	<.020	.37	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	2.2	--	--	--	<.020	.39	.020	--	<.100	<.10	--	--	--
SEP													
16-16	2.3	--	--	--	<.020	.41	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	2.8	--	--	--	<.020	.46	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	2.7	--	--	--	<.020	.45	<.020	--	<.100	<.10	--	--	--
SEP													
16-16	2.8	--	--	--	<.020	.46	<.020	--	<.100	.14	--	--	--
SEP													
17-17	3.0	--	--	--	<.020	.49	.020	--	<.100	<.10	--	--	--

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
MAR 30-30	--	--	--	--
MAR 30-30	--	--	--	--
APR 08...	--	33.5	120	60
08...	4790	42.2	<100	70
MAY 01-01	--	54.2	200	50
MAY 02-02	--	72.9	300	40
MAY 02-02	--	91.8	160	30
MAY 02-02	--	84.3	130	30
MAY 02-02	--	34.9	170	20
MAY 02-02	--	45.0	110	20
MAY 03-03	199000	61.1	200	40
MAY 03-03	--	75.0	180	40
17...	--	43.0	120	60
17...	36500	41.0	<100	60
MAY 31-31	--	55.0	<100	50
MAY 31-31	--	33.5	<100	50
MAY 31-31	--	45.7	<100	50
MAY 31-31	--	40.9	<100	50
MAY 31-31	--	13.2	<100	40
MAY 31-31	--	31.2	<100	40
JUN 07...	24500	42.7	<100	90
07...	--	68.1	<100	80
AUG 05...	--	--	<50	60
05...	20200	--	<50	60
SEP 15...	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 16-16	--	--	--	--
SEP 17-17	--	--	--	--

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)
SEP 17-17	0203	0205	9	J	81345	12.15	3040	480	6.1	29	18.7	7.4	<.02

Date	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)
SEP 17-17	1.03	3.1	<.020	.51	<.020	<.100	<.10

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
15...	0911	9	80020	3.13	9.8	6.2	746	8.9	7.3	132	15.5	2	<.04
15...	0936	9	80020	3.14	10	6.0	746	8.9	7.3	132	15.5	3	<.04
DEC													
16...	1331	9	80020	3.50	19	6.6	746	11.6	7.1	111	8.5	6	<.04
16...	1416	9	80020	3.50	19	6.6	746	12.0	7.2	111	8.5	5	<.04
JAN													
05...	1321	J	80020	3.75	45	51	748	9.9	7.0	110	14.5	5	E.02n
05...	1331	J	80020	3.90	65	59	748	9.8	7.0	110	14.5	5	E.02n
21...	1116	9	80020	3.56	24	3.8	748	13.6	7.3	118	5.0	2	<.04
21...	1216	9	80020	3.58	26	3.6	748	13.7	7.3	117	5.0	3	<.04
FEB													
02...	0946	9	80020	3.57	29	4.2	--	12.1	7.2	125	5.5	2	<.04
02...	0956	9	80020	3.58	28	4.3	--	12.1	7.2	125	5.5	2	<.04
FEB													
06-06	1202	J	80020	7.31	925	250	--	11.9	7.0	54	6.5	24	<.04
FEB													
06-06	1247	J	80020	7.23	892	260	--	11.9	6.9	49	6.6	18	<.04
MAR													
02...	1311	9	80020	3.57	28	4.8	755	11.2	7.4	118	15.5	5	<.04
02...	1401	9	80020	3.58	29	5.1	755	11.4	7.5	119	16.0	7	<.04
23...	1016	9	80020	3.51	22	6.5	760	11.8	7.6	128	9.5	5	<.04
23...	1031	9	80020	3.51	22	6.5	760	11.9	7.6	128	9.5	5	<.04
APR													
08...	1116	9	80020	3.42	15	5.6	739	10.0	7.5	126	17.0	4	<.04
MAY													
03-03	0801	J	80020	3.64	27	26	743	8.9	7.1	82	15.0	9	<.04
MAY													
03-03	0806	J	80020	3.64	27	28	743	8.9	7.2	83	15.0	10	<.04
17...	1116	9	80020	3.37	9.5	6.5	757	8.6	7.3	119	22.0	4	<.04
17...	1146	9	80020	3.37	9.5	6.6	757	8.6	7.2	118	22.5	4	E.04n
JUN													
07...	0831	9	80020	3.18	4.9	5.6	749	7.8	7.2	148	21.0	3	E.02n
07...	0836	9	80020	3.18	4.9	7.2	749	7.6	7.2	149	21.0	2	<.04
AUG													
05...	1011	9	80020	3.43	10	7.3	749	8.2	7.2	126	25.0	3	<.04
05...	1016	9	80020	3.43	10	5.3	749	8.1	7.2	125	25.0	3	<.04
SEP													
15...	0801	9	80020	3.42	15	4.0	746	8.2	7.3	121	20.5	2	<.04
SEP													
16-16	0916	J	80020	3.78	53	34	739	7.6	7.2	128	21.5	7	E.02n
SEP													
16-16	0919	J	80020	3.78	53	30	739	9.1	7.0	127	21.5	8	E.03n
SEP													
16-16	1346	J	80020	4.88	212	96	739	9.4	7.0	96	22.2	11	E.02n
SEP													
16-16	1349	J	80020	4.88	212	130	739	8.1	7.3	90	22.5	15	E.03n
SEP													
16-16	1456	J	80020	6.03	478	160	733	9.4	6.9	77	22.5	23	E.03n
SEP													
16-16	1459	J	80020	6.03	478	180	733	8.3	7.2	72	22.5	16	<.04
SEP													
16-16	1611	J	80020	10.58	2340	800	733	8.4	6.8	33	23.0	66	<.04
SEP													
16-16	1614	J	80020	10.58	2340	630	733	9.8	6.7	39	22.4	18	E.02n
SEP													
16-16	1816	J	80020	16.20	4570	660	734	9.8	6.2	30	19.3	36	<.04
SEP													
16-16	1819	J	80020	16.20	4570	550	734	8.4	6.6	30	23.0	48	<.04
SEP													
16-16	1834	J	80020	16.07	4590	700	--	9.7	6.2	30	19.3	73	<.04
SEP													
16-16	2004	J	80020	15.76	4490	410	--	--	6.2	33	21.3	59	<.04
SEP													
16-16	2134	J	80020	15.07	4230	460	--	9.7	6.1	30	22.8	35	<.04
SEP													
16-16	2304	J	80020	14.34	3930	490	--	9.7	6.1	31	20.0	34	<.04
SEP													
17-17	0034	J	80020	13.46	3580	510	--	9.6	6.1	31	20.6	72	<.04
SEP													
17-17	0204	J	80020	12.15	3040	480	--	--	6.1	29	18.7	76	<.04

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
15...	<.8	1.2	E.04n	60.7	.50	<.2	3.2
15...	<.8	1.4	E.04n	64.0	.56	<.2	4.9
DEC							
16...	<.8	1.2	.11	77.1	.51	<.2	9.2
16...	<.8	1.1	.09	74.5	.51	<.2	8.2
JAN							
05...	<.8	2.2	.12	51.2	.43	<.2	8.4
05...	<.8	1.9	.12	54.4	.59	<.2	8.4
21...	<.8	1.0	E.08n	89.0	.53	<.2	9.1
21...	<.8	.9	.10	87.6	.56	<.2	9.7
FEB							
02...	<.8	.7	E.07n	117	.56	<.2	9.9
02...	<.8	.8	E.08n	114	.54	<.2	9.7
FEB							
06-06	<.8	2.8	.27	17.9	.44	<.2	10.6
FEB							
06-06	<.8	2.6	.22	16.8	.42	<.2	9.9
MAR							
02...	<.8	1.5	E.08n	61.3	.52	<.2	4.7
02...	<.8	1.3	.09	60.8	3.13	<.2	5.3
23...	<.8	1.3	.20	73.8	.83	<.2	7.5
23...	<.8	1.3	.17	71.6	.78	<.2	6.6
APR							
08...	<.8	1.5	.13	65.0	.47	<.2	3.6
MAY							
03-03	<.8	2.5	.33	49.5	.67	<.2	5.6
MAY							
03-03	<.8	2.5	.36	51.7	.68	<.2	5.7
17...	<.8	1.5	.12	63.8	1.00	<.2	2.5
17...	<.8	1.5	.11	61.0	1.12	<.2	2.4
JUN							
07...	14.5	1.5	E.06n	129	.67	<.2	3.9
07...	<.8	1.5	E.06n	130	.66	<.2	4.7
AUG							
05...	<.8	1.3	<.08	108	.45	<.2	3.4
05...	<.8	1.4	E.04n	97.3	.45	<.2	3.2
SEP							
15...	<.8	1.2	E.04n	68.6	.35	<.2	3.1
SEP							
16-16	<.8	3.4	.20	45.9	.46	<.2	9.1
SEP							
16-16	<.8	3.2	.13	49.7	.50	<.2	12.1
SEP							
16-16	<.8	4.7	.28	31.6	.52	<.2	7.0
SEP							
16-16	<.8	5.2	.36	30.6	.53	<.2	7.6
SEP							
16-16	<.8	5.8	.42	27.1	.60	<.2	7.1
SEP							
16-16	<.8	5.6	.34	27.8	.57	<.2	7.0
SEP							
16-16	E.4n	3.8	.65	14.2	.40	<.2	4.8
SEP							
16-16	<.8	4.4	.38	17.7	.42	<.2	5.5
SEP							
16-16	<.8	2.9	.38	26.0	.41	<.2	4.1
SEP							
16-16	E.4n	2.6	.51	25.5	.35	<.2	4.1
SEP							
16-16	<.8	2.8	.47	12.8	.46	<.2	3.8
SEP							
16-16	<.8	3.0	.37	18.0	.53	<.2	4.8
SEP							
16-16	<.8	2.8	.29	24.4	.48	<.2	5.2
SEP							
16-16	<.8	2.8	.27	23.8	.54	<.2	4.7
SEP							
17-17	<.8	2.8	.36	25.8	.62	<.2	4.7
SEP							
17-17	<.8	3.2	.34	19.8	.60	<.2	4.3

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Discharge, cfs (00060)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)
OCT													
15...	0911	--	80020	3.13	9.8	6.2	746	8.9	90	7.3	132	15.5	<.5
DEC													
16...	1416	--	80020	3.50	19	6.6	746	12.0	102	7.2	111	8.5	<.5
JAN													
05...	1331	--	80020	3.90	65	59	748	9.8	96	7.0	110	14.5	<.5
21...	1216	--	80020	3.58	26	3.6	748	13.7	109	7.3	117	5.0	<.5
FEB													
02...	0956	--	80020	3.58	28	4.3	--	12.1	--	7.2	125	5.5	<.5
MAR													
02...	1401	--	80020	3.58	29	5.1	755	11.4	117	7.5	119	16.0	<.5
23...	1031	--	80020	3.51	22	6.5	760	11.9	104	7.6	128	9.5	<.5
APR													
08...	1131	--	80020	3.42	24	5.2	739	10.3	110	7.5	126	17.0	<.5
MAY													
03-03	0801	0816	80020	3.64	27	26	743	8.9	91	7.1	82	15.0	<.5
17...	1146	--	80020	3.37	9.5	6.6	757	8.6	100	7.2	118	22.5	<.5
JUN													
07...	0831	--	80020	3.18	4.9	5.6	749	7.8	89	7.2	148	21.0	<.5
AUG													
05...	1016	--	80020	3.43	10	5.3	749	8.1	100	7.2	125	25.0	<.5
SEP													
15...	0801	--	80020	3.42	15	4.0	746	8.2	93	7.3	121	20.5	<.5
SEP													
16-16	0916	0921	80020	3.78	53	34	739	7.6	89	7.2	128	21.5	<.5
SEP													
16-16	1349	1404	80020	4.88	212	130	739	8.1	97	7.3	90	22.5	<.5
SEP													
16-16	1459	1509	80020	6.03	478	180	733	8.3	100	7.2	72	22.5	<.5
SEP													
16-16	1611	1628	80020	10.58	2340	800	733	8.4	102	6.8	33	23.0	<.5

Date	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)
OCT													
15...	<.5	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	<.5	<.5
DEC													
16...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
JAN													
05...	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	E.1	<.5
21...	<.5	<.5	<.5	M	M	<5	<1	<1	<5	<1	<2	<.5	<.5
FEB													
02...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
MAR													
02...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
23...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.1	E.1
APR													
08...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
MAY													
03-03	<.5	<.5	<.5	<2	<1	<5	<1	<1	M	<1	<2	E.1	<.5
17...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.3	<.5
JUN													
07...	<.5	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	E.1	1.9
AUG													
05...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
SEP													
15...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	Mt	<.5	<.5
SEP													
16-16	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.1t	<.5
SEP													
16-16	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5
SEP													
16-16	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.4t	<.5
SEP													
16-16	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.1t	<.5

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT													
15...	<.5	<.5	<.5	<.5	<2	<2	<1	.5	E.1	<.5	<1	<.5	<.5
DEC													
16...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5
JAN													
05...	M	<.5	<.5	<.5	<2	<2	<1	<.5	E.3	<.5	<1	<.5	<.5
21...	M	<.5	<.5	<.5	<2	<2	<1	E.4	E.2	<.5	<1	<.5	<.5
FEB													
02...	M	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5
MAR													
02...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5
23...	M	<.5	<.5	<.5	<2	<2	<1	.8	1.4	<.5	<1	<.5	<.5
APR													
08...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	M	<1	<.5	<.5
MAY													
03-03	<.5	M	<.5	E.1	<2	<2	<1	.5	E.3	M	<1	M	<.5
17...	<.5	<.5	<.5	E.1	<2	<2	<1	5.4	E.3	<.5	<1	E.1	<.5
JUN													
07...	<.5	<.5	<.5	<.5	E1	E1	M	.7	E.3	.8	<1	E.1	<.5
AUG													
05...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<.5	<1	<.5	<.5
SEP													
15...	<.5	<.5	<.5	<.5	<2	<2	Mt	E.1t	E.1t	<.5	<1	<.5	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	Mt	<2	Mt	<.5	.8	<.5	Mt	<.5	E.2t
SEP													
16-16	<.5	<.5	<.5	<.5	<2	<2	Mt	<.5	.8	<.5	<1	<.5	E.1t
SEP													
16-16	<.5	<.5	<.5	<.5	Mt	<2	Mt	<.5	.9	<.5	Mt	E.2t	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.3t	<.5	Mt	E.1t	<.5

Date	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)
OCT													
15...	M	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
DEC													
16...	<2	<1.00	<.5	<.5	<5	<1	<.5	M	<.5	<.5	<.5	<.5	<.5
JAN													
05...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	M
21...	M	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
FEB													
02...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
MAR													
02...	<2	<1.00	<.5	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
23...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
APR													
08...	<2	<1.00	E.3	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
MAY													
03-03	E1	<1.00	E.1	<.5	<5	<1	<.5	M	M	<.5	<.5	<.5	M
17...	<2	<1.00	E.2	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	<.5
JUN													
07...	E2	<1.00	E.2	<.5	E2	M	<.5	M	M	<.5	<.5	<.5	E.2
AUG													
05...	<2	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP													
15...	<2	<1.00	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP													
16-16	<2	<1.00	.5	<.5	E2t	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP													
16-16	Mt	<1.00	.7	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP													
16-16	<2	<1.00	.7	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP													
16-16	<2	<1.00	E.3t	<.5	<5	<1	<.5	<1	E.1t	<.5	<.5	<.5	<.5

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)
OCT													
15...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
DEC													
16...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
JAN													
05...	M	<.5	E.1	M	<.5	<.5	<.5	M	<2	M	.7	<.5	M
21...	<.5	<.5	E.1	E.1	<.5	<.5	<.5	M	<2	<.5	.5	<.5	<.5
FEB													
02...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
MAR													
02...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.4	<.5	<.5
23...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.3	<.5	<.5
APR													
08...	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<1	<2	<.5	E.2	<.5	<.5
MAY													
03-03	<.5	<.5	E.1	E.1	<.5	<.5	<.5	M	E1	M	<.5	<.5	M
17...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	M
JUN													
07...	<.5	<.5	<.5	E.2	<.5	<.5	E.1	24	<2	<.5	101	<.5	M
AUG													
05...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
SEP													
15...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	<1	<2	<.5	.6	<.5	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	Mt	<.5	<.5	<.5	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	E.1t	1.5	<.5	<.5
SEP													
16-16	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	E.1t	2.2	<.5	Mt

Date	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT										
15...	<.5	E.1	<.5	<1	<.5	<.5	E2.7	<.5	E.1	<1.00
DEC										
16...	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
JAN										
05...	<.5	<.5	E.1	<1	<.5	M	1.1	E.1	E.1	<1.00
21...	<.5	<.5	E.1	<1	<.5	M	E.4	E.1	E.1	<1.00
FEB										
02...	<.5	<.5	E.2	<1	<.5	E.1	<.5	<.5	<.5	<1.00
MAR										
02...	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
23...	<.5	<.5	<.5	<1	<.5	M	.6	M	M	<1.00
APR										
08...	<.5	<.5	<.5	<1	<.5	<.5	E.5	<.5	E.1	<1.00
MAY										
03-03	M	<.5	E.1	<1	<.5	E.1	.6	E.1	E.1	<1.00
17...	M	<.5	<.5	<1	<.5	<.5	<.5	E.1	<.5	<1.00
JUN										
07...	<.5	E.1	<.5	<1	<.5	<.5	1.0	E.2	E.1	<1.00
AUG										
05...	<.5	<.5	<.5	<1	<.5	<.5	E9.4	<.5	<.5	--u
SEP										
15...	Mt	<.5	<.5	<1	<.5	<.5	.7	<.5	<.5	--u
SEP										
16-16	<.5	<.5	<.5	<1	<.5	<.5	E20.0	E.1t	<.5	--u
SEP										
16-16	<.5	<.5	<.5	<1	<.5	<.5	1.8	E.1t	<.5	--u
SEP										
16-16	<.5	<.5	<.5	<1	<.5	<.5	E2.3	E.1t	<.5	--u
SEP										
16-16	<.5	<.5	<.5	<1	<.5	<.5	E.8	<.5	<.5	--u

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
15...	0940	--	1	9	81350	3.13	9.8	6.1	746	9.3	95	7.1	130
OCT													
26-26	0840	0927	1	J	81350	4.26	134	170	--	8.3	--	7.1	113
OCT													
26-26	1010	1057	1	J	81350	5.84	427	360	--	8.8	--	7.1	91
OCT													
26-26	1140	1227	1	J	81350	5.78	410	330	--	8.8	--	7.0	70
OCT													
26-26	1310	1357	1	J	81350	6.92	779	450	--	8.8	--	7.0	57
OCT													
26-26	1440	1442	1	J	81350	7.88	1140	720	--	8.8	--	7.0	56
NOV													
19-19	0400	0403	1	J	81350	10.38	2250	510	--	7.7	--	6.7	35
DEC													
16...	1330	--	1	9	81350	3.50	19	6.6	746	11.6	101	7.1	111
JAN													
05...	1240	--	1	9	81350	3.57	25	9.4	748	9.9	99	7.2	115
21...	1117	--	1	9	81350	3.58	26	3.6	748	13.7	109	7.3	117
JAN													
25-25	0725	0858	1	J	81350	5.35	308	86	--	11.4	--	7.2	82
FEB													
02...	0947	--	1	9	81350	3.58	28	4.3	--	12.1	--	7.2	125
FEB													
06-06	1203	1205	1	J	81350	7.31	925	250	--	11.9	--	7.0	54
FEB													
06-06	1248	1250	1	J	81350	7.23	892	260	--	11.9	--	6.9	49
MAR													
02...	1312	--	1	9	81350	3.57	28	4.8	755	11.2	113	7.4	118
23...	1017	--	1	9	81350	3.51	22	6.5	760	11.8	104	7.6	128
APR													
08...	1117	--	1	9	81350	3.42	15	5.6	739	10.0	107	7.5	126
MAY													
03-03	0807	0822	1	J	81350	3.64	27	28	743	8.9	91	7.2	83
17...	1117	--	1	9	81350	3.37	9.5	6.5	757	8.6	99	7.3	119
MAY													
31-31	0721	0723	1	J	81350	4.52	150	430	--	7.3	--	6.9	105
MAY													
31-31	0806	0808	1	J	81350	5.15	265	300	--	7.5	--	7.0	90
MAY													
31-31	0851	0853	1	J	81350	5.03	241	340	--	7.4	--	6.9	94
MAY													
31-31	0936	0938	1	J	81350	5.00	235	370	--	7.5	--	6.9	93
MAY													
31-31	1106	1108	1	J	81350	4.86	208	750	--	7.7	--	6.9	83
MAY													
31-31	1246	1248	1	J	81350	4.48	144	180	--	7.6	--	6.8	74
JUN													
07...	0837	--	1	9	81350	3.18	4.9	7.2	749	7.6	87	7.2	149
AUG													
05...	1012	--	1	9	81350	3.43	10	7.3	749	8.2	101	7.2	126

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT 15...	15.6	7.7	2.2	17	650	2	1.6	130	88	83	8.6	62	25
OCT 26-26	16.8	8.8	3.5	5.9	550	2	.6	70	23	110	4.4	83	33
OCT 26-26	16.9	8.4	1.8	5.8	500	2	.5	68	23	86	4.6	77	31
OCT 26-26	17.2	9.1	2.2	5.8	510	2	.6	75	26	63	4.9	79	30
OCT 26-26	17.4	8.6	1.7	5.4	490	2	.6	64	21	68	4.4	84	31
OCT 26-26	17.5	8.4	1.3	6.3	450	2	.3	64	20	53	4.1	60	26
NOV 19-19	18.3	10	1.0	6.1	550	2	.5	81	24	60	5.2	70	31
DEC 16...	8.5	5.4	.7	6.0	370	1	.5	100	14	45	4.3	41	15
JAN 05...	14.5	7.6	21	7.3	600	2	1.6	140	46	140	6.5	160	29
21...	5.0	7.2	11	7.7	2300	2	.6	270	19	72	7.7	1200	23
JAN 25-25	9.4	6.5	1.9	3.6	470	1	.5	59	--	54	3.2	59	22
FEB 02...	5.5	10	2.5	9.6	630	2	.4	130	30	91	9.9	85	31
FEB 06-06	6.5	5.9	1.2	3.6	400	1	.5	65	15	37	3.0	54	22
FEB 06-06	6.6	5.7	.9	3.0	410	1	.4	65	15	36	3.0	47	22
MAR 02...	15.5	5.0	1.4	5.4	350	1	.3	87	22	220	6.1	56	18
23...	9.5	6.2	.9	5.7	430	2	.6	94	26	90	6.5	49	24
APR 08...	17.0	5.5	1.4	4.4	470	1	<.2	150	22	54	6.9	63	21
MAY 03-03	15.0	12	1.1	11	430	2	.5	--o	24	80	6.4	86	41
17...	22.0	7.4	3.3	9.0	460	2	.4	140	23	66	6.9	73	18
MAY 31-31	21.9	8.7	2.3	4.2	550	2	.7	73	27	76	4.9	100	33
MAY 31-31	22.1	7.8	2.2	3.6	470	2	.6	68	25	110	4.1	93	28
MAY 31-31	21.9	8.4	3.2	4.1	500	2	1.3	73	27	87	4.6	110	33
MAY 31-31	22.1	8.5	2.4	3.5	500	2	.6	69	29	63	4.6	70	29
MAY 31-31	22.2	8.6	3.4	4.1	520	2	.7	78	33	65	4.8	74	34
MAY 31-31	22.1	9.2	3.6	4.4	510	2	.7	85	31	69	5.1	77	34
JUN 07...	21.0	6.3	2.6	9.8	620	2	2.0	260	83	110	7.6	480	25
AUG 05...	25.0	7.4	1.7	11	450	2	.6	410	19	69	6.9	82	23

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Manganese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
15...	21000	<.01	9	72	M	M	160	<50	.350	120	960	<50	.3
OCT													
26-26	1800	.13	2	43	M	<.5	140	<50	.460	100	380	<50	.8
OCT													
26-26	1900	.11	2	38	M	<.5	100	<50	.470	100	300	<50	2
OCT													
26-26	2100	.09	3	39	M	<.5	98	<50	.570	120	350	<50	.9
OCT													
26-26	1300	.09	2	30	M	<.5	86	<50	.460	110	270	<50	2
OCT													
26-26	970	.23	2	34	M	<.5	67	<50	.520	100	200	<50	1
NOV													
19-19	1000	.13	2	47	M	<1	80	<100	.730	140	260	<100	663
DEC													
16...	1300	.16	8	66	M	<1	160	<100	.370	80	240	<100	4
JAN													
05...	7900	.03	11	75	1	<1	70	<100	.390	130	1100	<100	4
21...	1600	--o	6	51	1	<2	150	<150	.390	110	490	<150	2
JAN													
25-25	1000	.07	2	29	M	<1	110	<100	.410	79	230	<100	334
FEB													
02...	3500	--o	6	59	2	<2	62	<200	.600	140	610	<200	1
FEB													
06-06	650	--o	4	26	M	<1	67	<100	.490	83	190	<100	704
FEB													
06-06	600	--o	1	26	M	<1	67	<100	.450	92	180	<100	699
MAR													
02...	1900	--o	4	43	1	<1	64	<100	.280	78	400	<100	2
23...	3200	--o	5	50	2	<1	140	<100	.380	95	430	<100	3
APR													
08...	2500	.19	14	94	M	<1	180	<100	.480	86	330	<100	4
MAY													
03-03	1500	.14	--o	--o	1	1	89	<50	.680	170	330	<50	10
17...	2900	.08	12	86	1	2	130	<100	.520	120	360	<100	4
MAY													
31-31	2200	.16	5	35	1	<1	91	<100	.490	98	400	<100	714
MAY													
31-31	2000	.14	5	34	1	8	71	<100	.510	78	360	<100	927
MAY													
31-31	2600	.19	6	40	1	1	95	<100	.560	90	430	<100	465
MAY													
31-31	3100	.15	8	37	1	<1	110	<100	.530	86	330	<100	458
MAY													
31-31	2800	--o	7	42	1	<1	120	<100	.570	95	380	<100	302
MAY													
31-31	2700	--o	9	42	2	<2	150	<200	.590	100	410	<200	174
JUN													
07...	20000	--o	17	110	2	<1	93	<100	.340	89	870	<100	3
AUG													
05...	1500	.10	40	250	1	<1	230	<100	.450	120	310	<100	2

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
AUG 05-05	1710	1742	1	J	81350	4.67	174	--	--	--	--	--	--
AUG 05-05	1810	1842	1	J	81350	6.14	517	--	--	--	--	--	--
AUG 05-05	1910	1942	1	J	81350	7.09	835	--	--	--	--	--	--
AUG 05-05	2010	2042	1	J	81350	7.05	820	--	--	--	--	--	--
AUG 05-05	2110	2142	1	J	81350	6.38	582	--	--	--	--	--	--
AUG 05-05	2210	2242	1	J	81350	5.61	368	--	--	--	--	--	--
SEP 15...	0802	--	1	9	81350	3.42	15	4.0	746	8.2	93	7.3	121
SEP 16-16	0917	0922	1	J	81350	3.78	53	34	739	7.6	89	7.2	128
SEP 16-16	0920	0925	1	J	81350	3.78	53	30	739	9.1	106	7.0	127
SEP 16-16	1347	1402	1	J	81350	4.88	212	96	739	9.4	111	7.0	96
SEP 16-16	1350	1405	1	J	81350	4.88	212	130	739	8.1	97	7.3	90
SEP 16-16	1457	1507	1	J	81350	6.03	478	160	733	9.4	113	6.9	77
SEP 16-16	1500	1510	1	J	81350	6.03	478	180	733	8.3	100	7.2	72
SEP 16-16	1612	1629	1	J	81350	10.58	2340	800	733	8.4	102	6.8	33
SEP 16-16	1615	1632	1	J	81350	10.58	2340	630	733	9.8	118	6.7	39
SEP 16-16	1817	1830	1	J	81350	16.20	4570	660	734	9.8	110	6.2	30
SEP 16-16	1820	1833	1	J	81350	16.20	4570	550	734	8.4	102	6.6	30
SEP 16-16	1835	1837	1	J	81350	16.07	4590	700	--	9.7	--	6.2	30
SEP 16-16	2005	2007	1	J	81350	15.76	4490	410	--	--	--	6.2	33
SEP 16-16	2135	2137	1	J	81350	15.07	4230	460	--	9.7	--	6.1	30
SEP 16-16	2305	2307	1	J	81350	14.34	3930	490	--	9.7	--	6.1	31
SEP 17-17	0035	0037	1	J	81350	13.46	3580	510	--	9.6	--	6.1	31
SEP 17-17	0205	0207	1	J	81350	12.15	3040	480	--	--	--	6.1	29

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
AUG 05-05	--	8.9	1.7	5.7	520	2	.4	73	22	69	4.9	110	32
AUG 05-05	--	9.0	1.5	5.3	530	2	.3	70	23	69	4.7	70	30
AUG 05-05	--	9.4	1.6	5.8	480	2	.3	75	21	56	4.7	69	31
AUG 05-05	--	9.3	1.4	5.0	490	2	.2	78	20	55	4.6	66	30
AUG 05-05	--	10	1.2	5.3	480	2	.3	77	18	56	4.7	64	31
AUG 05-05	--	11	1.4	6.5	500	2	.4	82	19	62	5.1	66	35
SEP 15...	20.5	6.3	1.9	11	510	2	.2	200	20	62	7.4	110	23
SEP 16-16	21.5	8.9	1.1	6.5	470	2	<.2	76	19	52	4.3	76	27
SEP 16-16	21.5	7.3	1.0	4.3	480	2	.2	60	16	50	3.8	63	23
SEP 16-16	22.2	9.9	1.1	7.0	500	2	.3	76	20	59	4.8	80	32
SEP 16-16	22.5	7.2	.7	4.6	440	2	<.2	60	15	38	3.5	56	22
SEP 16-16	22.5	3.1	2.5	5.4	430	M	.4	38	11	53	2.1	33	15
SEP 16-16	22.5	6.7	.8	4.3	380	2	<.2	58	14	35	3.4	48	20
SEP 16-16	23.0	7.7	.8	4.4	460	2	<.2	69	16	40	3.8	50	24
SEP 16-16	22.4	6.1	2.2	6.0	460	2	.4	56	18	64	3.5	62	24
SEP 16-16	19.3	6.6	1.5	4.4	480	2	.2	61	18	54	3.7	63	24
SEP 16-16	23.0	7.9	.8	4.5	440	2	<.2	70	17	43	3.9	55	25
SEP 16-16	19.3	7.3	.6	4.0	440	2	<.2	69	16	58	3.6	45	22
SEP 16-16	21.3	3.3	2.5	5.2	470	M	<.5	41	12	55	2.3	39	15
SEP 16-16	22.8	6.2	1.9	5.0	490	2	.2	58	19	61	3.6	59	23
SEP 16-16	20.0	6.1	1.5	4.5	460	2	.3	59	18	49	3.5	59	22
SEP 17-17	20.6	9.7	1.1	6.8	470	2	.2	76	20	59	4.7	81	30
SEP 17-17	18.7	7.1	1.1	5.3	480	2	.3	60	16	45	3.9	62	22

02336240 S.F. PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Manganese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
AUG 05-05	1300	.12	2	31	M	<.5	130	<50	.580	120	280	<50	450
AUG 05-05	1400	.09	2	36	M	<1	110	<100	.700	120	260	<100	770
AUG 05-05	1100	.07	3	35	1	<.5	71	<50	.720	120	270	<50	759
AUG 05-05	930	.03	3	36	1	<1	71	<100	.730	130	270	<100	739
AUG 05-05	860	.07	2	38	1	<.5	70	<50	.710	120	240	<50	654
AUG 05-05	910	.07	3	37	1	<.5	85	<50	.740	130	280	<50	507
SEP 15...	1600	.28	22	110	2	2	280	<100	.450	100	320	<100	2
SEP 16-16	690	.11	2	35	M	<1	63	<100	.680	120	170	<100	77
SEP 16-16	720	.16	1	24	M	<.5	76	<50	.500	100	150	<50	71
SEP 16-16	730	.13	2	35	M	<1	70	<100	.650	130	190	<100	177
SEP 16-16	600	.09	<2	28	M	<1	64	<100	.590	99	130	<100	203
SEP 16-16	1100	--o	8	10	2	<2	560	<200	.170	49	280	<200	375
SEP 16-16	580	.10	<2	27	M	<1	59	<100	.570	95	120	<100	398
SEP 16-16	620	.14	2	32	M	<1	69	<100	.670	110	130	<100	1570
SEP 16-16	1400	--o	5	24	1	<1	200	<100	.440	86	230	<100	1300
SEP 16-16	1200	--o	2	25	M	<1	110	<100	.540	90	210	<100	762
SEP 16-16	630	.10	<2	32	M	<1	68	<100	.650	110	150	<100	718
SEP 16-16	640	.02	<2	29	M	<1	68	<100	.610	100	130	<100	775
SEP 16-16	1300	--o	8	20	2	<2	500	<250	.230	52	200	<250	831
SEP 16-16	1400	--o	4	26	M	<1	170	<100	.520	86	250	<100	884
SEP 16-16	1200	--o	2	26	M	<1	99	<100	.590	88	210	<100	704
SEP 17-17	720	.11	2	36	M	<1	66	<100	.640	120	180	<100	786
SEP 17-17	780	.02	<2	23	M	<1	77	<100	.560	100	150	<100	608

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this table:
   k -- Counts outside acceptable range
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

APALACHICOLA RIVER BASIN
2004 Water Year

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°49'02", long 84°22'01", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, at bridge on GA 237 (Piedmont Road), 0.2 miles downstream of South Fork Peachtree Creek, and 0.3 miles south of GA 236.

DRAINAGE AREA.—69.7 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 19, 1976, September 3, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
16...	0905	--	9	9	81345	3.96	40	7.2	742	9.2	90	7.4	142
16...	0930	--	9	9	81345	3.96	40	6.9	742	9.2	90	7.4	141
JAN													
08...	1015	--	9	9	81345	4.26	45	7.3	753	13.5	102	7.1	123
08...	1050	--	9	9	81345	4.26	45	7.1	753	13.5	101	7.1	123
20...	1030	--	9	9	81345	4.22	39	15	746	13.7	105	7.0	122
20...	1045	--	9	9	81345	4.22	39	15	746	13.7	105	7.0	121
MAR													
01...	1045	--	9	9	81345	--	63	5.9	756	11.7	104	7.2	133
01...	1115	--	9	9	81345	--	63	6.2	756	11.6	104	7.2	132
25...	0945	--	9	9	81345	4.26	46	4.8	760	10.6	100	7.4	142
25...	1000	--	9	9	81345	4.26	46	4.8	760	10.6	100	7.5	143
APR													
06...	1100	--	9	9	81345	4.09	41	6.8	750	9.9	94	7.3	143
06...	1115	--	9	9	81345	4.09	41	6.4	750	10.1	97	7.3	144
MAY													
04...	1015	--	9	9	81345	4.30	43	10	747	9.4	94	7.2	114
04...	1030	--	9	9	81345	4.30	43	9.4	747	9.4	94	7.2	114
19...	0745	--	9	9	81345	4.09	34	9.2	752	7.5	85	7.2	133
19...	0750	--	9	9	81345	4.09	34	10	752	7.4	84	7.2	133
JUN													
10-10	0815	0915	9	J	81345	4.27	48	86	749	7.2	85	7.0	80
JUN													
10-10	0920	0925	9	J	81345	4.27	48	97	749	7.2	85	7.1	75
JUL													
13...	0725	--	9	9	81345	3.99	29	7.0	746	7.3	90	7.4	160
13...	0730	--	9	9	81345	3.99	29	6.9	746	7.3	90	7.4	160
29...	0910	--	9	J	81345	4.21	46	33	747	7.1	86	7.0	102
29...	0915	--	9	J	81345	4.21	46	34	747	7.1	86	7.0	102
AUG													
05...	0740	--	9	9	81345	3.92	--	8.2	749	6.7	83	7.1	129
05...	0745	--	9	9	81345	3.92	--	8.4	749	6.8	84	7.1	130
19...	1025	--	9	9	81345	3.83	20	6.4	744	8.7	106	7.4	138
19...	1030	--	9	9	81345	3.83	20	6.5	744	8.7	106	7.4	138
SEP													
22...	0815	--	9	9	81345	4.15	--	8.2	743	7.7	83	6.8	151

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
16...	14.0	45	--	13.0	3.02	3.30	.5	7.27	24	47.3	M	8.23	18.0
16...	14.5	45	--	13.0	3.04	3.28	.5	7.30	24	47.1	.1	8.09	17.7
JAN													
08...	3.5	66	46	16.8	5.90	3.16	.6	10.5	25	20.4	.1	12.2	18.6
08...	3.5	67	47	17.0	5.98	3.27	.6	10.9	25	20.6	.1	12.2	18.5
20...	3.5	51	5	13.1	4.49	2.99	.5	8.83	26	46.8	.1	14.5	17.2
20...	3.5	68	66	17.2	6.12	3.83	.8	14.5	30	2.4	.1	16.0	17.5
MAR													
01...	10.0	45	7	13.0	3.03	2.20	.4	6.41	23	37.8	<.02	10.2	16.3
01...	10.0	46	8	13.3	3.02	2.42	.5	7.05	24	37.8	<.02	10.0	16.9
25...	12.5	50	6	14.4	3.40	2.49	.5	8.34	25	43.7	.1	11.1	13.8
25...	12.5	49	5	14.1	3.25	2.66	.5	8.61	26	43.9	.1	11.1	13.9
APR													
06...	12.5	48	3	13.6	3.28	2.73	.5	7.82	25	45.0	.1	9.25	16.3
06...	13.0	48	3	13.9	3.31	2.71	.5	7.88	25	45.2	.1	9.27	16.0
MAY													
04...	14.5	40	4	11.6	2.56	2.77	.3	4.70	19	35.9	.1	6.33	15.6
04...	14.5	36	--	10.5	2.28	2.84	.4	5.42	23	36.2	.1	6.31	13.9
19...	21.0	44	5	13.1	2.76	2.88	.4	6.55	23	39.1	.1	8.01	17.0
19...	21.0	43	3	12.5	2.81	2.99	.4	5.93	22	39.4	.1	7.41	17.3
JUN													
10-10	22.5	25	4	7.90	1.35	2.27	.4	4.10	24	21.4	M	4.02	9.97
JUN													
10-10	22.5	25	5	7.88	1.26	2.26	.3	3.99	24	20.4	M	3.87	9.92
JUL													
13...	24.5	45	--	13.2	2.92	3.06	.4	6.85	23	45.8	.1	7.8	13.9
13...	24.5	46	--	13.6	2.83	3.14	.5	7.28	24	46.1	.1	7.8	13.9
29...	24.0	32	4	9.70	1.85	3.11	.4	4.67	22	28.3	M	4.4	10.7
29...	24.0	32	3	9.70	1.87	3.19	.4	5.04	23	28.8	M	4.5	11.1
AUG													
05...	25.0	44	--	13.2	2.74	3.22	.4	6.45	22	.0	.1	6.4	14.7
05...	25.0	41	.0	12.3	2.59	3.09	.4	5.94	22	40.7	.1	6.5	14.4
19...	24.0	45	2	13.3	2.79	3.13	.4	6.89	24	42.7	.1	8.0	15.4
19...	24.0	47	4	14.0	2.94	3.17	.5	7.35	24	42.9	.1	8.0	16.2
SEP													
22...	17.5	--	--	--	--	--	--	--	--	42.5	.1	12.0	--

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
OCT													
16...	7.0	91	.12	--	<.020	.51	<.020	<.100	<.10	.67	--	--	--
16...	7.0	90	.12	--	<.020	.51	<.020	<.100	<.10	.69	240	320	8290
JAN													
08...	52.9	139	.19	.08	.063	1.10	<.020	<.100	<.10	.80	400	240	3600
08...	52.4	139	.19	.07	.058	1.09	<.020	<.100	<.10	.80	--	--	--
20...	7.7	105	.14	.05	.039	1.52	<.020	<.100	<.10	.89	--	--	--
20...	73.0	158	.21	.05	.039	1.20	<.020	<.100	<.10	.74	380	200	4100
MAR													
01...	8.7	87	.12	.04	.030	.90	<.020	<.100	<.10	.95	--	--	--
01...	8.5	88	.12	.05	.040	.89	<.020	<.100	<.10	.93	92	95	1000
25...	7.8	91	.12	--	<.020	.65	<.020	<.100	<.10	.73	190	480	15000
25...	7.8	91	.12	--	<.020	.64	<.020	<.100	<.10	.76	--	--	--
APR													
06...	7.9	91	.12	.04	.030	.56	<.020	<.100	<.10	.65	63	--	15000
06...	8.0	91	.12	.04	.030	.56	<.020	<.100	<.10	.72	--	--	--
MAY													
04...	6.9	75	.10	.09	.072	.49	<.020	<.100	<.10	.71	720	1100	25000
04...	6.8	73	.10	.08	.061	.49	<.020	<.100	<.10	.72	--	--	--
19...	7.2	84	.11	.07	.057	.54	.020	<.100	<.10	.71	1200	1900k	29000
19...	6.6	82	.11	.09	.071	.51	.020	<.100	<.10	.59	--	--	--
JUN													
10-10	4.7	50	.07	.06	.050	.59	<.020	<.100	<.10	.74	8900	8400k	170000
JUN													
10-10	4.6	49	.07	.06	.050	.59	<.020	<.100	<.10	.72	--	--	--
JUL													
13...	6.7	84	.11	.03	.020	.45	<.010	<.050	<.050	.48	--	--	--
13...	6.7	85	.12	.04	.030	.46	<.010	<.050	<.050	--	3000	3600	30000
29...	7.3	61	.08	.14	.110	.56	<.010	<.050	<.050	--	--	--	--
29...	7.3	63	.09	.14	.110	.55	<.010	<.050	<.050	--	4500	21000k	690000
AUG													
05...	6.9	--	--	--	--	.44	<.010	--	--	--	--	--	--
05...	7.0	79	.11	--	--	.45	<.010	--	--	--	3300	5800	>240000k
19...	6.6	84	.11	--	--	.47	<.010	--	--	--	--	--	--
19...	6.6	86	.12	--	--	.47	<.010	--	--	--	440	1100	69000
SEP													
22...	16.0	--	--	--	<.020	1.41	<.020	<.100	<.10	--	1800	3700	>240000k

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT			
16...	56.9	130	60
16...	57.2	<100	60
JAN			
08...	46.1	290	70
08...	77.2	300	80
20...	31.6	380	70
20...	44.8	370	80
MAR			
01...	73.3	150	70
01...	58.5	150	70
25...	48.0	230	80
25...	73.4	210	70
APR			
06...	45.9	160	70
06...	58.4	150	70
MAY			
04...	29.6	170	60
04...	39.3	180	50
19...	39.6	<100	60
19...	46.5	110	60
JUN			
10-10	17.1	<100	40
JUN			
10-10	25.0	<100	40
JUL			
13...	--	<50	60
13...	--	100	70
29...	--	<50	50
29...	--	120	50
AUG			
05...	--	240	60
05...	--	250	60
19...	--	<50	60
19...	--	<50	70
SEP			
22...	--	--	--

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
16...	0906	9	80020	3.96	40	7.2	742	9.2	7.4	142	14.0	2	<.04
16...	0931	9	80020	3.96	40	6.9	742	9.2	7.4	141	14.5	2	<.04
JAN													
08...	1016	9	80020	4.26	45	7.3	753	13.5	7.1	123	3.5	4	<.04
08...	1051	9	80020	4.26	45	7.1	753	13.5	7.1	123	3.5	3	<.04
20...	1031	9	80020	4.22	39	15	746	13.7	7.0	122	3.5	2	<.04
MAR													
01...	1046	9	80020	--	63	5.9	756	11.7	7.2	133	10.0	4	<.04
01...	1116	9	80020	--	63	6.2	756	11.6	7.2	132	10.0	3	<.04
25...	0946	9	80020	4.26	46	4.8	760	10.6	7.4	142	12.5	2	<.04
25...	1001	9	80020	4.26	46	4.8	760	10.6	7.5	143	12.5	3	<.04
APR													
06...	1101	9	80020	4.09	41	6.8	750	9.9	7.3	143	12.5	2	<.04
06...	1116	9	80020	4.09	41	6.4	750	10.1	7.3	144	13.0	2	<.04
MAY													
04...	1016	9	80020	4.30	43	10	747	9.4	7.2	114	14.5	4	<.04
04...	1031	9	80020	4.30	43	9.4	747	9.4	7.2	114	14.5	4	<.04
19...	0746	9	80020	4.09	34	9.2	752	7.5	7.2	133	21.0	3	<.04
19...	0751	9	80020	4.09	34	10	752	7.4	7.2	133	21.0	4	<.04
JUN													
10-10	0816	J	80020	4.27	48	84	749	7.2	7.0	78	22.5	5	<.04
JUN													
10-10	0921	J	80020	4.27	48	97	749	7.2	7.1	75	22.5	5	<.04
JUL													
13...	0726	9	80020	3.99	29	7.0	746	7.3	7.4	160	24.5	3	<.04
13...	0731	9	80020	3.99	29	6.9	746	7.3	7.4	160	24.5	3	<.04
29...	0911	J	80020	4.21	46	33	747	7.1	7.0	102	24.0	7	<.04
29...	0916	J	80020	4.21	46	34	747	7.1	7.0	102	24.0	8	<.04
AUG													
05...	0741	9	80020	3.92	--	8.2	749	6.7	7.1	129	25.0	5	<.04
05...	0746	9	80020	3.92	--	8.4	749	6.8	7.1	130	25.0	6	<.04
19...	1026	9	80020	3.83	20	6.4	744	8.7	7.4	138	24.0	3	<.04
19...	1031	9	80020	3.83	20	6.5	744	8.7	7.4	138	24.0	3	<.04
SEP													
22...	0816	9	80020	4.15	--	8.2	743	7.7	6.8	151	17.5	8	<.04

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
16...	<.8	1.1	E.06n	133	.50	<.2	3.7
16...	<.8	1.1	E.04n	131	.58	<.2	4.1
JAN							
08...	<.8	1.2	.14	108	.68	<.2	9.8
08...	<.8	1.2	.16	110	.62	<.2	9.6
20...	<.8	1.1	.16	102	.54	<.2	8.4
MAR							
01...	<.8	.9	E.08n	111	.62	<.2	9.6
01...	<.8	.8	E.07n	109	.60	<.2	9.3
25...	<.8	1.3	E.07n	124	.59	<.2	5.5
25...	<.8	1.1	E.07n	129	9.26	<.2	5.9
APR							
06...	<.8	1.2	.09	143	.48	<.2	5.1
06...	<.8	1.2	.09	145	.50	<.2	5.2
MAY							
04...	<.8	1.7	.19	107	.65	<.2	4.9
04...	<.8	1.7	.17	109	.61	<.2	4.8
19...	<.8	1.7	.14	174	1.23	<.2	3.8
19...	<.8	1.7	.14	170	1.36	<.2	3.5
JUN							
10-10	<.8	1.9	.10	52.5	.36	<.2	3.4
JUN							
10-10	<.8	1.8	.08	57.0	.35	<.2	3.8
JUL							
13...	<.8	1.2	E.06n	171	.52	<.2	2.7
13...	<.8	1.1	E.06n	168	.56	<.2	2.6
29...	<.8	2.0	.13	91.8	.59	<.2	3.7
29...	<.8	1.8	.16	90.4	.59	<.2	3.8
AUG							
05...	<.8	1.4	.12	175	.49	1.0	3.0
05...	<.8	1.5	.13	171	.55	1.1	3.3
19...	<.8	1.3	E.04n	153	.34	<.2	2.8
19...	<.8	1.1	E.05n	152	.29	<.2	2.6
SEP							
22...	<.8	.9	.15	160	.65	.6	5.0

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)
OCT													
16...	0931	--	80020	3.96	40	6.9	742	9.2	90	7.4	141	14.5	<.5
JAN													
08...	1016	--	80020	4.26	45	7.3	753	13.5	102	7.1	123	3.5	<.5
20...	1046	--	80020	4.22	39	15	746	13.7	105	7.0	121	3.5	E.1
MAR													
01...	1116	--	80020	--	63	6.2	756	11.6	104	7.2	132	10.0	<.5
25...	0946	--	80020	4.26	46	4.8	760	10.6	100	7.4	142	12.5	<.5
APR													
06...	1101	--	80020	4.09	41	6.8	750	9.9	94	7.3	143	12.5	<.5
MAY													
04...	1016	--	80020	4.30	43	10	747	9.4	94	7.2	114	14.5	E.1
19...	0746	--	80020	4.09	34	9.2	752	7.5	85	7.2	133	21.0	<.5
JUN													
10-10	0816	0916	80020	4.27	48	84	749	7.2	85	7.0	78	22.5	<.5
JUL													
13...	0731	--	80020	3.99	29	6.9	746	7.3	90	7.4	160	24.5	<.5
29...	0916	--	80020	4.21	46	34	747	7.1	86	7.0	102	24.0	<.5
AUG													
05...	0746	--	80020	3.92	--	8.4	749	6.8	84	7.1	130	25.0	<.5
19...	1031	--	80020	3.83	20	6.5	744	8.7	106	7.4	138	24.0	<.5
SEP													
22...	0816	--	80020	4.15	--	8.2	743	7.7	83	6.8	151	17.5	<.5

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	1-Methyl-naphthalene, water, fltrd, ug/L (62054)	2,6-Dimethyl-naphthalene, water, fltrd, ug/L (62055)	2-Methyl-naphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)
OCT													
16...	<.5	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	<.5	<.5
JAN													
08...	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	M	E.1	<.5
20...	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	E.1	<.5
MAR													
01...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
25...	M	M	M	<2	<1	<5	<1	<1	M	<1	<2	<.5	<.5
APR													
06...	<.5	<.5	<.5	M	<1	<5	M	<1	<5	<1	<2	<.5	<.5
MAY													
04...	<.5	<.5	<.5	E1	<1	<5	<1	<1	M	<1	<2	E.1	<.5
19...	<.5	<.5	<.5	M	<1	<5	<1	<1	E2	<1	<2	E.2	<.5
JUN													
10-10	<.5	<.5	<.5	M	<1	<5	<1	<1	M	M	<2	E.2	<.5
JUL													
13...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	Mt	<.5	<.5
29...	<.5	<.5	<.5	Mt	Mt	<5	<1	<1	<5	<1	<2	E.1t	<.5
AUG													
05...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
19...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
SEP													
22...	<.5	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	<.5	<.5

Date	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT													
16...	<.5	<.5	<.5	<.5	<2	<2	<1	.5	E.1	<.5	<1	<.5	<.5
JAN													
08...	M	<.5	<.5	E.1	<2	<2	<1	<.5	E.1	<.5	<1	M	<.5
20...	<.5	<.5	<.5	E.1	<2	<2	<1	<.5	E.2	M	<1	<.5	<.5
MAR													
01...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5
25...	M	M	<.5	<.5	<2	<2	<1	.6	E.2	M	<1	<.5	<.5
APR													
06...	M	<.5	<.5	<.5	M	M	M	<.5	E.1	M	<1	<.5	<.5
MAY													
04...	M	<.5	<.5	M	<2	<2	<1	<.5	E.2	M	<1	M	<.5
19...	<.5	<.5	<.5	E.1	<2	M	<1	2.4	E.2	E.1	<1	E.1	<.5
JUN													
10-10	M	M	<.5	E.1	<2	M	M	.7	E.3	M	M	E.1	<.5
JUL													
13...	<.5	<.5	<.5	<.5	<2	<2	<1	E.4t	E.1t	Mt	<1	<.5	<.5
29...	Mt	<.5	<.5	<.5	E2t	E2t	2	<.5	E.3t	Mt	<1	<.5	<.5
AUG													
05...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<.5	<1	<.5	<.5
19...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.1t	<.5	<1	<.5	<.5
SEP													
22...	E.1t	<.5	<.5	<.5	E1t	Mt	Mt	<.5	E.4t	<.5	<1	<.5	<.5

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)
OCT													
16...	<2	<1.00	E.2	<.5	<5	<1	<.5	M	<.5	<.5	<.5	<.5	<.5
JAN													
08...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	<.5
20...	<2	<1.00	E.1	<.5	E3	<1	<.5	<1	M	<.5	<.5	<.5	<.5
MAR													
01...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
25...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	M	<.5	<.5	M
APR													
06...	E1	<1.00	E.1	<.5	<5	<1	<.5	<1	M	E.1	<.5	<.5	<.5
MAY													
04...	E2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	M
19...	E1	<1.00	E.2	E.2	E3	<1	<.5	<1	M	<.5	<.5	<.5	<.5
JUN													
10-10	M	E.2200	E.2	<.5	E3	<1	<.5	M	E.1	<.5	<.5	<.5	M
JUL													
13...	<2	<1.00	E.2t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5
29...	E2t	<1.00	E.3t	<.5	E4t	Mt	E.1n	<1	Mt	<.5	<.5	<.5	<.5
AUG													
05...	<2	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
19...	<2	<1.00	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP													
22...	E1t	<1.00	E.2t	<.5	E2t	Mt	<.5	Mt	<.5	<.5	<.5	<.5	<.5

Date	Isopropyl-benzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)
OCT													
16...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
JAN													
08...	<.5	<.5	E.1	<.5	<.5	<.5	M	M	<2	<.5	E.2	<.5	M
20...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	<.5	<.5	M
MAR													
01...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
25...	<.5	<.5	M	<.5	<.5	<.5	M	M	<2	M	E.3	<.5	<.5
APR													
06...	<.5	<.5	M	<.5	<.5	<.5	M	<1	<2	<.5	<.5	<.5	M
MAY													
04...	<.5	<.5	E.1	<.5	E.1	<.5	<.5	<1	E1	<.5	<.5	<.5	M
19...	<.5	<.5	E.1	<.5	E.1	<.5	<.5	<1	<2	<.5	E.4	<.5	M
JUN													
10-10	<.5	<.5	<.5	<.5	M	<.5	<.5	M	<2	M	E.2	E.1	E.1
JUL													
13...	<.5	<.5	E.2t	<.5	E.1t	<.5	<.5	<1	<2	Mt	E.3t	<.5	Mt
29...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	<2	Mt	1.0	E.1t	Mt
AUG													
05...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.2t	<.5	<.5
19...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
SEP													
22...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	1.0	<.5	<.5

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT										
16...	E.1	<.5	E.1	<1	<.5	<.5	<.5	E.1	E.1	<1.00
JAN										
08...	<.5	<.5	E.1	<1	<.5	E.1	.6	E.1	E.1	<1.00
20...	E.1	<.5	E.1	<1	<.5	E.1	.5	E.1	E.1	<1.00
MAR										
01...	<.5	<.5	E.1	<1	<.5	M	E.3	<.5	E.1	<1.00
25...	E.1	<.5	M	M	<.5	M	E.4	M	E.1	<1.00
APR										
06...	M	<.5	E.1	<1	<.5	E.1	.8	E.1	E.1	<1.00
MAY										
04...	M	<.5	E.1	M	<.5	E.1	.6	E.1	E.1	<1.00
19...	E.1	<.5	E.2	<1	<.5	E.1	.7	E.1	E.1	<1.00
JUN										
10-10	M	<.5	E.1	<1	<.5	E.1	E.7	E.1	E.1	<1.00
JUL										
13...	Mt	<.5	<.5	<1	<.5	Mt	E.3t	E.1t	E.1t	<1.00
29...	Mt	<.5	E.1t	<1	<.5	E.1n	.7	E.1t	E.1t	--u
AUG										
05...	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u
19...	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u
SEP										
22...	<.5	<.5	<.5	<1	<.5	<.5	E.3t	<.5	<.5	--u

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
16...	0850	--	1	9	81350	3.96	40	7.2	742	9.2	92	7.4	142
JAN													
08...	1017	--	1	9	81350	4.26	45	7.3	753	13.5	103	7.1	123
08...	1050	--	1	9	81350	4.26	45	7.1	753	13.5	103	7.1	123
20...	1032	--	1	9	81350	4.22	39	15	746	13.7	105	7.0	122
MAR													
01...	1047	--	1	9	81350	--	63	5.9	756	11.7	104	7.2	133
25...	1002	--	1	9	81350	4.26	46	4.8	760	10.6	100	7.5	143
APR													
06...	1117	--	1	9	81350	4.09	41	6.4	750	10.1	97	7.3	144
MAY													
04...	1032	--	1	9	81350	4.30	43	9.4	747	9.4	94	7.2	114
19...	0752	--	1	9	81350	4.09	34	10	752	7.4	84	7.2	133
JUN													
10-10	0817	0917	1	J	81350	4.27	48	84	749	7.2	85	7.0	78
JUN													
10-10	0922	0927	1	J	81350	4.27	48	97	749	7.2	85	7.1	75
JUL													
13...	0727	--	1	9	81350	3.99	29	7.0	746	7.3	90	7.4	160
29...	0912	--	1	J	81350	4.21	46	33	747	7.1	86	7.0	102
AUG													
05...	0742	--	1	9	81350	3.92	--	8.2	749	6.7	83	7.1	129
19...	1027	--	1	9	81350	3.83	20	6.4	744	8.7	106	7.4	138
SEP													
22...	0817	--	1	9	81350	4.15	--	8.2	743	7.7	83	6.8	151

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
16...	14.0	9.5	2.2	12	510	2	.7	95	38	64	7.5	66	31
JAN													
08...	3.5	10	3.5	12	540	2	.6	250	--	84	9.0	130	33
08...	3.5	10	3.5	12	540	2	.6	250	23	84	9.0	130	33
20...	3.5	14	1.9	5.1	510	4	.3	89	22	68	6.5	120	47
MAR													
01...	10.0	5.8	1.6	6.2	410	2	.4	78	17	710	6.9	57	22
25...	12.5	4.9	1.1	5.4	440	2	.4	--o	20	85	7.6	46	23
APR													
06...	13.0	6.1	2.3	7.0	440	2	.7	350	18	64	8.0	60	26
MAY													
04...	14.5	9.4	1.0	11	430	2	.6	--o	20	71	7.4	81	35
19...	21.0	9.5	2.9	11	500	2	.7	120	24	79	7.0	86	31
JUN													
10-10	22.5	7.3	8.4	5.0	420	1	.4	32	9	42	3.2	34	26
JUN													
10-10	22.5	13	2.9	8.0	470	3	.8	85	18	56	5.9	140	37
JUL													
13...	24.5	9.5	1.1	7.3	550	2	.6	130	16	58	6.5	68	32
29...	24.0	12	1.0	13	420	3	.6	110	36	89	7.4	130	39
AUG													
05...	25.0	9.3	1.1	8.4	480	2	.5	88	20	58	6.1	55	32
19...	24.0	7.2	1.4	12	440	2	1.3	560	18	66	8.1	82	21
SEP													
22...	17.5	8.3	1.1	11	500	2	.4	120	24	59	8.0	59	27

Date	Manganese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
16...	11000	.14	8	49	M	1	160	<50	.370	120	450	<50	.4
JAN													
08...	2200	--o	17	130	1	<2	63	<150	.430	130	600	<150	1
08...	2200	--o	17	130	1	<2	63	<150	.430	130	600	<150	1
20...	820	.11	3	36	1	<1	44	<100	.510	170	360	<100	11
MAR													
01...	1800	--o	6	36	1	<1	160	<100	.280	75	400	<100	3
25...	1800	.24	--o	--o	1	2	250	<100	.250	90	380	<100	2
APR													
06...	2300	.21	37	230	1	<1	230	<100	.320	84	390	<100	2
MAY													
04...	2100	.16	11	64	2	<1	150	<100	.500	130	390	<100	3
19...	4500	.12	10	64	1	<.5	120	<50	.420	120	420	<50	4
JUN													
10-10	1500	--o	21	16	1	<1	320	<100	.210	68	210	<100	87
JUN													
10-10	2900	.08	12	53	1	1	49	<100	.400	130	370	<100	61
JUL													
13...	1700	.06	11	75	1	<.5	130	<50	.440	110	310	<50	4
29...	5000	.17	4	67	1	2	46	<50	.580	170	380	<50	14
AUG													
05...	1800	<.01	5	45	1	35	110	<50	.490	120	280	<50	4
19...	2500	.12	60	380	1	2	180	<100	.380	120	350	<100	2
SEP													
22...	3900	.26	10	60	2	26	200	<100	.440	120	310	<100	4

Remark codes used in this table:
   < -- Less than
   > -- Greater than
   E -- Estimated value
   M -- Presence verified, not quantified
Value qualifier codes used in this table:
   k -- Counts outside acceptable range
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL
Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

2004 Water Year

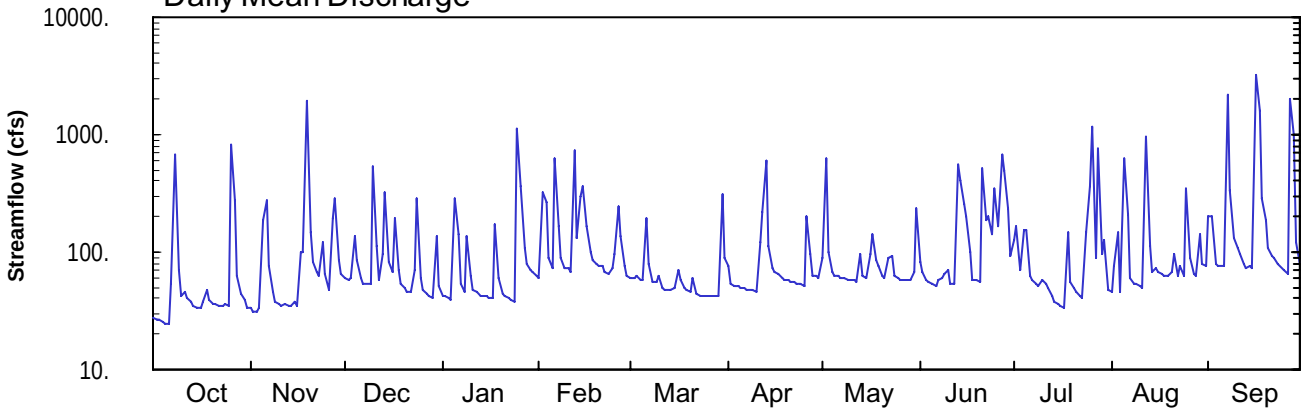
APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA

Latitude: 33°49'10" Longitude: 084°24'28" Hydrologic Unit Code: 03130001

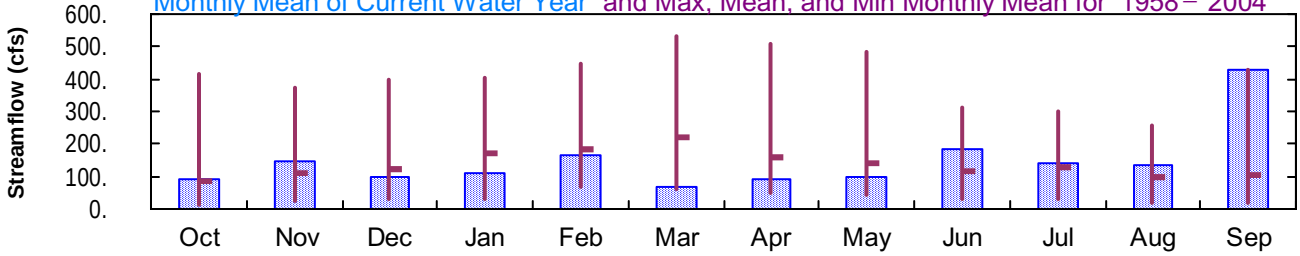
Fulton County Datum: 763.96 feet Drainage Area: 86.8 mi²

Daily Mean Discharge

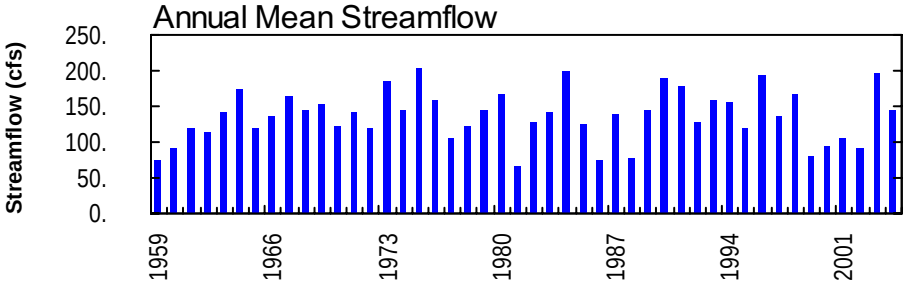


Monthly Statistics

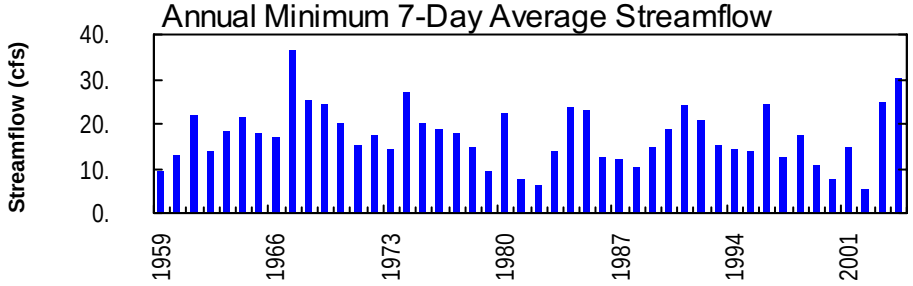
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1958 – 2004



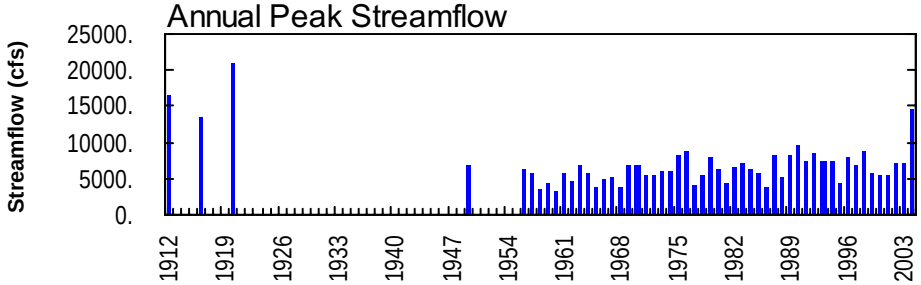
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02336300 PEACHTREE CREEK AT ATLANTA, GA

LOCATION.—Lat 33°49'10", long 84°24'28", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on downstream side of center pier of bridge on Northside Drive, 0.4 miles downstream from Tanyard Branch, and 4.0 miles upstream from mouth.

DRAINAGE AREA.—86.8 square miles.

COOPERATION.—Georgia Geologic Survey, City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1958 to current year.

REVISED RECORDS.—WDR GA-96-1: 1995 (P, daily discharge, daily stage and monthly runoff).

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 763.96 feet above National Geodetic Vertical Datum (NGVD) of 1929 (City of Atlanta benchmark). Prior to May 27, 1963, water-stage recorder located at site 1,000 feet downstream at same datum.

REMARKS.—Records fair, except for periods of estimated records, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	0330	5,030	15.04
07/26	0030	4,140	13.64
07/28	0200	3,200	12.00
09/07	0645	4,800	14.70
09/16	2330	14,600*	22.66*
09/27	unknown	9,440	20.57

02336300 PEACHTREE CREEK AT ATLANTA, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1958 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 763.96 feet above National Geodetic Vertical Datum (NGVD) of 1929 (City of Atlanta benchmark). Prior to May 27, 1963, water-stage recorder located at site 1,000 feet downstream at same datum.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.66 feet, September 16; minimum gage-height recorded, 2.57 feet, October 1, 2.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 5, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80* CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	e33	61	43	60	59	76	e90	82	128	e45	205
2	e27	e31	58	42	324	59	54	626	e69	165	e75	201
3	e27	e31	60	41	267	63	52	102	e59	71	e150	80
4	e26	e34	135	40	87	59	51	67	e56	153	e46	76
5	e25	e185	87	292	74	58	50	e64	e53	155	e625	76
6	e25	275	60	145	638	195	50	e62	e51	e62	207	75
7	53	76	55	53	168	79	e49	e60	e59	e58	61	2200
8	671	46	54	46	89	57	e48	e59	e61	e53	e54	335
9	69	e38	53	136	73	55	e47	e58	e65	e51	e53	e130
10	e43	e37	533	63	72	62	e47	e58	e70	e57	e52	e107
11	e45	e35	113	48	69	50	e120	e57	e54	e53	e50	e95
12	e40	e36	59	45	741	48	221	e57	e54	e49	e950	e78
13	e37	e35	96	43	134	47	591	e98	e550	e43	115	e74
14	e35	e35	321	42	299	47	113	e63	415	e38	67	75
15	e34	e37	82	42	367	49	73	e61	258	e36	72	73
16	e34	e35	67	40	165	70	67	e95	205	e35	67	e3200
17	e38	e100	195	40	99	58	e64	141	101	e34	65	e1600
18	e47	101	71	171	87	49	e61	86	e59	146	63	e284
19	e40	1920	54	59	79	47	e59	e75	e58	e56	63	e184
20	e37	149	49	45	75	45	e58	e62	e56	e49	67	e110
21	e36	82	45	e42	75	60	e57	e60	e510	e45	95	93
22	e35	67	45	e40	68	45	e57	e90	185	e43	64	89
23	e34	61	70	39	66	42	e55	e92	205	e41	77	79
24	e36	122	282	38	74	42	e53	e62	143	e150	63	73
25	e35	66	60	1130	97	42	e52	e60	348	363	346	69
26	e825	49	48	357	247	43	e200	e59	164	1190	90	65
27	278	195	44	110	135	42	97	e58	672	88	64	e2000
28	63	290	42	78	77	42	e64	e57	498	747	63	e1000
29	45	86	41	70	62	42	e62	e58	240	96	145	119
30	e39	65	139	67	---	314	e60	e67	91	129	78	80
31	e34	---	51	63	---	90	---	e239	---	e47	75	---
TOTAL	2841	4352	3130	3510	4868	2060	2708	2943	5491	4431	4107	12925
MEAN	91.6	145	101	113	168	66.5	90.3	94.9	183	143	132	431
MAX	825	1920	533	1130	741	314	591	626	672	1190	950	3200
MIN	25	31	41	38	60	42	47	57	51	34	45	65
CFSM	1.06	1.67	1.16	1.30	1.93	0.77	1.04	1.09	2.11	1.65	1.53	4.96
IN.	1.22	1.87	1.34	1.50	2.09	0.88	1.16	1.26	2.35	1.90	1.76	5.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	87.2	111	121	171	187	218	162	138	119	127	96.5	104
MAX	416	374	395	402	448	531	508	484	313	301	257	431
(WY)	1996	1993	1984	1972	1990	1980	1979	2003	2003	1989	1974	2004
MIN	13.4	24.1	28.4	33.0	66.2	63.9	49.5	40.7	28.9	29.8	20.4	20.6
(WY)	1979	2002	1989	1981	1986	1988	1986	1988	1988	1959	1959	1978

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	66618		53366			
ANNUAL MEAN	183		146		137	
HIGHEST ANNUAL MEAN					203	1975
LOWEST ANNUAL MEAN					67.0	1981
HIGHEST DAILY MEAN	4470	May 6	e 3200	Sep 16	6500	Oct 4 1995
LOWEST DAILY MEAN	23	Sep 12	e 25	Oct 5 a	5.1	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	25	Sep 7	30	Oct 1	5.5	Sep 6 2002
MAXIMUM PEAK FLOW			14600	Sep 16	14600	Sep 16 2004
MAXIMUM PEAK STAGE			22.66	Sep 16	22.66	Sep 16 2004
ANNUAL RUNOFF (CFSM)	2.10		1.68		1.58	
ANNUAL RUNOFF (INCHES)	28.55		22.87		21.40	
10 PERCENT EXCEEDS	306		283		271	
50 PERCENT EXCEEDS	72		63		59	
90 PERCENT EXCEEDS	35		39		23	

e Estimated
a Also Oct 6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80* CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.58	---	2.90	2.75	2.83	2.82	2.85	---	2.90	3.20	---	3.68
2	---	---	2.88	2.74	4.00	2.82	2.69	5.39	---	3.43	---	3.71
3	---	---	2.89	2.73	3.97	2.85	2.67	3.03	---	2.82	---	3.05
4	---	---	3.38	2.72	3.03	2.82	2.66	2.80	---	3.23	---	3.02
5	---	---	3.08	3.96	2.94	2.81	2.65	---	---	3.33	---	3.02
6	---	4.06	2.89	3.39	5.28	3.61	2.65	---	---	---	3.70	3.01
7	2.80	2.99	2.84	2.83	3.51	2.97	---	---	---	---	2.90	9.43
8	5.59	2.74	2.83	2.77	3.04	2.80	---	---	---	---	---	4.34
9	2.93	---	2.83	3.37	2.93	2.79	---	---	---	---	---	---
10	---	---	5.04	2.91	2.92	2.84	---	---	---	---	---	---
11	---	---	3.24	2.79	2.90	2.74	---	---	---	---	---	---
12	---	---	2.88	2.77	5.71	2.73	3.35	---	---	---	---	---
13	---	---	3.08	2.75	3.32	2.72	5.29	---	---	---	3.26	---
14	---	---	4.27	2.74	4.14	2.72	3.11	---	4.51	---	2.96	3.01
15	---	---	3.05	2.74	4.44	2.74	2.84	---	3.78	---	2.98	3.00
16	---	---	2.95	2.73	3.50	2.90	2.80	---	3.63	---	2.95	---
17	---	---	3.68	2.72	3.11	2.81	---	3.20	3.02	---	2.94	---
18	---	3.05	2.97	3.58	3.02	2.73	---	2.92	---	3.29	2.92	---
19	---	8.54	2.84	2.88	2.97	2.72	---	---	---	---	2.92	---
20	---	3.46	2.80	2.76	2.94	2.71	---	---	---	---	2.95	---
21	---	3.05	2.77	---	2.94	2.83	---	---	---	---	3.14	3.56
22	---	2.94	2.76	---	2.89	2.70	---	---	3.54	---	2.93	3.54
23	---	2.90	2.90	2.72	2.88	2.68	---	---	3.60	---	3.02	3.47
24	---	3.29	4.06	2.71	2.93	2.68	---	---	3.27	---	2.92	3.43
25	---	2.93	2.89	6.87	3.08	2.68	---	---	4.19	3.73	4.17	3.40
26	---	2.79	2.78	4.37	3.91	2.69	---	---	3.40	6.80	3.11	3.37
27	4.05	3.53	2.75	3.17	3.32	2.68	3.00	---	5.05	3.10	2.93	---
28	2.89	4.14	2.74	2.96	2.95	2.68	---	---	4.87	5.44	2.92	---
29	2.73	3.08	2.73	2.90	2.85	2.68	---	---	3.78	3.12	3.35	3.72
30	---	2.93	3.39	2.88	---	4.16	---	---	2.96	3.32	3.03	3.48
31	---	---	2.81	2.85	---	2.95	---	---	---	---	3.01	---
MEAN	---	---	3.09	---	3.39	2.84	---	---	---	---	---	---
MAX	---	---	5.04	---	5.71	4.16	---	---	---	---	---	---
MIN	---	---	2.73	---	2.83	2.68	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80* CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.57	0.01	0.20	0.00	0.14
2	0.00	0.00	0.00	0.00	0.68	0.02	0.00	0.32	0.00	0.09	0.56	0.18
3	0.00	0.00	0.01	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.01
4	0.00	0.02	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
5	0.00	0.48	0.01	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00
6	0.07	0.18	0.00	0.00	0.96	0.41	0.00	0.00	0.00	0.01	0.00	0.09
7	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.26	0.00	2.48
8	1.26	0.00	0.00	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.07
9	0.00	0.00	0.00	0.24	0.00	0.06	0.00	0.03	0.03	0.00	0.00	0.00
10	0.00	0.00	0.93	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.19	0.00	0.28	0.17	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.01	0.85	0.00	0.60	0.12	0.00	0.00	2.35	0.00
13	0.00	0.00	0.42	0.00	0.00	0.00	0.32	0.01	0.53	0.01	0.00	0.00
14	0.05	0.00	0.21	0.00	0.46	0.00	0.01	0.00	0.15	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.66	0.00	0.60	0.00
16	0.00	0.00	0.22	0.00	0.00	0.14	0.00	0.69	0.26	0.00	0.00	---
17	0.14	0.27	0.12	0.23	0.00	0.00	0.00	0.84	0.03	0.40	0.00	---
18	0.00	0.70	0.00	0.09	0.00	0.00	0.00	0.03	0.00	0.02	0.00	---
19	0.00	1.64	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	---
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	---
21	0.00	0.00	0.00	0.00	0.02	0.04	0.00	0.00	0.36	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00
23	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
24	0.00	0.29	0.00	0.00	0.04	0.00	0.00	0.00	0.03	1.33	0.00	0.00
25	0.00	0.00	0.00	2.09	0.15	0.00	0.00	0.00	0.24	3.33	4.17	0.00
26	1.22	0.00	0.00	0.01	---	0.00	0.55	0.00	0.01	0.59	0.00	0.00
27	0.01	0.85	0.00	0.00	---	0.00	0.00	0.00	0.87	0.00	0.00	5.92
28	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.11	0.15	1.29	0.00	0.00
29	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.01	0.00	---	0.00	0.00
30	0.00	0.00	0.18	0.00	---	0.88	0.01	0.00	0.27	---	0.00	0.00
31	0.00	---	0.00	0.00	---	0.03	---	0.60	---	0.00	0.00	---
TOTAL	2.82	4.54	2.95	3.29	---	1.59	1.81	3.62	4.28	---	8.93	---

APALACHICOLA RIVER BASIN
2004 Water Year

02336300 PEACHTREE CREEK, AT ATLANTA, GA

LOCATION.—Lat. 33°49'10", long. 84°24'28", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on right bank 30 feet downstream of US 41 (Northside Drive), 0.4 miles downstream from Tanyard Branch and 4.0 miles upstream from mouth.

DRAINAGE AREA.—86.8 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—February 1976 to May 1972; July 1975 to April 1999; April 16, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: April 16, 2003 to current year.
pH: April 16, 2003 to current year.
WATER TEMPERATURE: April 16, 2003 to current year.
DISSOLVED OXYGEN: April 16, 2003 to current year.
TURBIDITY: April 16, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance and pH which are fair, and dissolved oxygen and turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 362 microsiemens, October 8, 2003; minimum recorded, 24 microsiemens, June 18, 2003.
pH: Maximum recorded, 9.4 units, June 14, 2004; minimum recorded, 6.0 units, August 12, 2004.
WATER TEMPERATURE: Maximum recorded, 30.6°C, July 23, 2004; minimum recorded, 2.5°C, January 29, 2004.
DISSOLVED OXYGEN: Maximum recorded, 14.5 mg/L, December 26, 2003; minimum recorded, <0.5 mg/L, on several days.
TURBIDITY: Maximum recorded, >2,200 NTU, April 21, September 23, 2003; minimum recorded, <5.0 NTU, on many days.

02336300 PEACHTREE CREEK, AT ATLANTA, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 362 microsiemens, October 8; minimum recorded, 35 microsiemens, September 16.

pH: Maximum recorded, 9.4 units, June 14; minimum recorded, 6.0 units, August 12.

WATER TEMPERATURE: Maximum recorded, 30.6°C, July 23; minimum recorded, 2.5°C, January 29.

DISSOLVED OXYGEN: Maximum recorded, 14.5 mg/L, December 26; minimum recorded, <0.5 mg/L, on several days.

TURBIDITY: Maximum recorded, 1,200 NTU, May 16, July 30; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	179	161	168	187	162	168	156	138	147	146	126	135
2	176	163	170	166	162	164	163	147	157	147	144	145
3	177	165	173	172	165	166	183	125	154	151	146	148
4	177	166	172	172	166	168	134	115	126	153	151	152
5	177	167	173	226	71	156	124	114	117	156	76	132
6	181	166	173	97	54	73	140	124	132	103	75	86
7	208	146	162	125	95	109	148	140	144	130	103	118
8	362	76	95	160	124	136	151	148	150	144	130	139
9	135	96	114	160	147	150	155	151	153	164	115	133
10	149	135	139	160	153	157	237	55	101	126	114	120
11	145	130	136	164	158	160	107	61	86	141	126	133
12	151	145	148	165	162	164	131	107	118	148	141	145
13	157	149	152	166	163	164	243	115	147	153	148	150
14	161	152	157	174	165	168	145	70	84	154	151	153
15	159	150	153	174	166	168	120	85	103	155	153	154
16	164	153	159	169	166	167	152	120	136	161	154	156
17	166	153	160	190	133	153	216	97	120	157	154	156
18	153	142	148	163	96	137	116	110	113	159	107	124
19	157	149	152	96	38	59	137	116	126	128	109	119
20	164	153	158	107	80	91	144	137	142	142	128	135
21	173	164	167	181	107	145	147	144	146	156	142	148
22	176	167	172	179	135	160	148	146	147	154	153	153
23	186	174	178	160	133	137	149	139	146	157	153	155
24	176	171	173	186	122	152	148	79	91	158	156	157
25	179	171	175	229	120	176	119	93	106	167	60	92
26	174	61	128	214	117	149	139	119	130	99	59	78
27	96	61	79	167	131	143	148	139	144	125	99	115
28	123	96	111	206	166	190	150	147	149	135	125	130
29	141	123	133	168	126	137	155	150	152	149	133	142
30	151	141	146	157	128	138	155	107	125	148	145	146
31	186	150	159	---	---	---	126	115	120	149	146	148
MONTH	362	61	151	229	38	147	243	55	129	167	59	135

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	151	148	149	151	143	147	163	145	154	180	111	160
2	160	67	130	151	147	149	179	144	156	111	61	83
3	94	64	78	155	149	151	188	152	170	124	88	107
4	125	94	111	154	150	152	162	154	156	143	123	133
5	139	125	132	155	151	153	162	156	158	155	140	148
6	141	61	96	155	103	128	163	158	160	164	153	158
7	108	69	90	131	105	117	163	158	161	164	155	159
8	129	108	120	147	130	139	167	160	163	170	161	165
9	136	129	132	156	147	150	165	160	162	168	163	165
10	144	135	139	156	146	150	165	160	162	176	165	168
11	142	137	139	169	147	153	178	121	146	173	166	169
12	145	72	97	162	150	155	141	72	127	176	165	169
13	118	94	105	157	152	154	121	75	93	175	128	143
14	127	97	111	158	151	154	138	110	121	154	144	148
15	111	83	98	156	152	154	162	136	152	171	154	160
16	112	80	93	164	145	154	185	160	168	164	77	146
17	141	112	131	152	145	147	179	160	165	154	100	139
18	147	141	145	158	150	153	169	164	166	157	113	128
19	153	147	149	157	149	154	173	168	170	191	156	176
20	156	150	153	157	152	155	173	168	171	189	154	167
21	169	152	155	181	156	162	190	169	174	207	170	179
22	159	154	157	165	155	162	177	169	172	179	102	172
23	161	156	157	166	160	164	177	171	174	155	88	123
24	277	158	183	165	158	162	173	170	171	170	146	157
25	194	139	172	163	158	161	172	170	171	183	162	167
26	143	114	131	163	156	160	172	106	142	207	178	188
27	140	127	135	163	157	160	133	102	116	195	177	184
28	143	132	138	165	158	162	150	131	142	180	176	179
29	146	140	143	191	165	172	161	150	156	181	177	179
30	---	---	---	179	98	135	166	160	164	179	161	167
31	---	---	---	148	131	139	---	---	---	166	94	127
MONTH	277	61	130	191	98	152	190	72	155	207	61	155

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	164	116	145	---	---	---	169	159	163	221	71	129
2	162	148	154	---	---	---	198	106	161	136	74	95
3	174	161	167	---	---	---	---	---	---	148	105	126
4	175	169	171	---	---	---	---	---	---	167	148	160
5	312	175	183	---	---	---	---	---	---	181	165	172
6	180	176	178	---	---	---	---	---	---	182	169	175
7	202	180	184	---	---	---	---	---	---	177	44	71
8	204	166	174	---	---	---	---	---	---	101	62	83
9	186	169	175	---	---	---	---	---	---	---	101	---
10	170	107	131	---	---	---	160	151	155	---	---	---
11	163	142	156	---	---	---	164	159	160	---	---	---
12	178	163	172	---	---	---	160	38	76	---	---	---
13	176	70	107	168	165	166	110	68	91	---	---	---
14	141	79	109	177	168	174	133	110	122	163	160	162
15	157	103	135	183	175	179	148	112	137	169	162	166
16	---	---	---	184	177	180	149	112	128	182	35	121
17	---	---	---	189	168	181	151	136	145	---	---	---
18	---	---	---	176	104	126	166	147	157	---	---	---
19	---	---	---	148	119	135	168	160	162	---	---	---
20	---	---	---	165	147	157	182	144	162	---	---	---
21	---	---	---	170	159	163	---	---	---	---	---	---
22	---	---	---	176	170	172	---	---	---	---	---	---
23	122	---	---	191	173	180	---	---	---	186	176	180
24	151	98	119	191	86	165	170	151	153	186	179	183
25	170	87	126	170	70	144	167	46	116	184	177	181
26	138	102	120	104	51	69	121	95	105	180	175	177
27	183	65	137	123	97	108	148	121	136	185	---	---
28	183	65	126	120	56	83	168	148	156	---	---	---
29	135	97	108	165	105	124	219	93	149	---	---	---
30	147	109	126	142	101	121	157	123	144	---	---	---
31	---	---	---	159	141	150	160	155	158	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.2	7.1	7.1	7.3	7.3	7.3	7.2	7.0	7.1	7.0	7.0	7.0
2	7.2	7.1	7.2	7.4	7.3	7.3	7.1	7.1	7.1	7.1	7.0	7.0
3	7.3	7.2	7.2	7.4	7.3	7.3	7.1	6.7	6.9	7.0	7.0	7.0
4	7.3	7.2	7.2	7.4	7.3	7.3	---	6.7	---	7.0	7.0	7.0
5	7.4	7.2	7.2	7.3	6.9	7.3	7.2	7.2	7.2	7.1	6.9	7.0
6	7.4	7.2	7.2	7.0	6.8	6.8	7.2	7.2	7.2	7.1	6.9	7.0
7	7.2	7.1	7.2	7.2	6.9	7.2	7.3	7.2	7.3	7.2	7.1	7.1
8	7.3	6.7	6.9	7.3	7.2	7.3	7.3	7.3	7.3	7.2	7.1	7.2
9	7.1	6.9	7.1	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.1	7.1
10	7.2	7.1	7.2	7.4	7.3	7.3	7.9	7.0	7.2	7.1	7.0	7.0
11	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.0	7.2	7.2	7.1	7.1
12	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.2	7.2
13	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.1	7.2	7.2	7.1	7.2
14	7.3	7.2	7.3	7.3	7.2	7.3	7.4	7.0	7.0	7.1	7.1	7.1
15	7.4	7.3	7.3	7.3	7.2	7.3	7.0	7.0	7.0	7.2	7.1	7.1
16	7.3	7.2	7.3	7.3	7.3	7.3	7.2	7.0	7.1	7.1	7.1	7.1
17	7.4	7.3	7.3	7.3	7.0	7.1	7.6	7.1	7.2	7.1	7.1	7.1
18	7.3	7.2	7.3	7.2	7.0	7.2	7.1	7.1	7.1	7.1	6.9	7.0
19	7.3	7.2	7.3	7.1	6.5	6.7	7.2	7.1	7.2	7.0	6.9	6.9
20	7.3	7.2	7.3	7.1	6.8	6.9	7.2	7.2	7.2	7.1	7.0	7.0
21	7.4	7.2	7.3	7.1	7.0	7.1	7.2	7.2	7.2	7.3	7.1	7.1
22	7.4	7.2	7.3	7.2	7.0	7.1	7.3	7.2	7.2	7.3	7.2	7.3
23	7.5	7.3	7.3	7.2	7.1	7.1	7.4	7.2	7.2	7.4	7.3	7.3
24	7.5	7.2	7.3	7.2	6.9	7.1	7.2	7.0	7.0	7.4	7.3	7.3
25	7.6	7.2	7.3	7.1	6.9	7.0	7.1	7.0	7.1	7.3	6.9	7.0
26	7.4	6.7	7.2	7.1	6.9	7.0	7.2	7.1	7.2	7.2	6.9	7.0
27	7.0	6.7	6.9	7.0	6.8	6.9	7.2	7.2	7.2	7.3	7.1	7.2
28	7.2	7.0	7.1	7.5	6.9	7.3	7.2	7.1	7.2	7.3	7.3	7.3
29	7.2	7.2	7.2	7.4	7.2	7.3	7.2	7.1	7.1	7.3	7.2	7.3
30	7.3	7.2	7.3	7.4	7.2	7.3	7.2	6.9	7.0	7.3	7.2	7.3
31	7.3	7.3	7.3	---	---	---	7.1	6.9	6.9	7.3	7.3	7.3
MAX	7.6	7.3	7.3	7.5	7.3	7.3	---	7.3	---	7.4	7.3	7.3
MIN	7.0	6.7	6.9	7.0	6.5	6.7	---	6.7	---	7.0	6.9	6.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	7.3	7.3	7.1	7.0	7.1	6.9	6.8	6.8	7.1	6.9	7.0
2	7.4	7.0	7.3	7.2	7.1	7.1	6.9	6.8	6.8	7.1	6.5	6.8
3	7.1	7.0	7.1	7.1	7.0	7.1	7.0	6.8	6.9	7.0	6.8	7.0
4	7.2	7.1	7.2	7.2	7.0	7.1	7.0	6.8	6.9	7.1	7.0	7.0
5	7.3	7.2	7.2	7.3	7.1	7.1	7.2	6.8	7.0	7.1	7.0	7.1
6	7.4	7.0	7.2	7.1	6.7	6.8	7.1	7.0	7.1	7.3	7.0	7.1
7	7.2	7.0	7.2	7.1	6.7	7.0	7.1	6.9	7.0	7.2	7.1	7.1
8	7.3	7.2	7.2	7.2	7.0	7.1	7.0	6.9	6.9	7.4	7.1	7.2
9	7.3	7.3	7.3	7.2	7.0	7.1	7.1	6.8	7.0	7.3	7.1	7.2
10	7.3	7.3	7.3	7.2	7.0	7.1	7.2	6.9	7.0	7.3	7.1	7.1
11	7.3	7.3	7.3	7.2	7.0	7.1	7.0	6.6	6.8	7.4	7.1	7.1
12	7.4	7.0	7.1	7.3	7.0	7.1	7.1	6.6	6.9	7.3	7.0	7.1
13	7.2	7.1	7.2	7.3	7.1	7.1	7.0	6.7	6.8	7.1	6.9	7.1
14	7.3	7.2	7.2	7.4	7.0	7.1	7.0	6.9	7.0	7.2	7.0	7.1
15	7.2	7.1	7.2	7.5	7.0	7.1	7.0	7.0	7.0	8.0	7.1	7.2
16	7.2	7.1	7.1	7.4	7.0	7.1	7.0	6.9	7.0	7.2	6.8	7.1
17	7.3	7.2	7.2	7.3	7.0	7.1	7.1	7.0	7.0	7.2	6.8	7.0
18	7.3	7.2	7.3	7.3	7.0	7.1	7.1	7.0	7.1	7.2	7.0	7.1
19	7.3	7.1	7.3	7.4	7.0	7.1	7.1	7.0	7.1	7.2	7.1	7.2
20	7.1	7.1	7.1	7.5	7.0	7.1	7.2	7.0	7.1	7.2	7.1	7.1
21	7.2	7.1	7.1	7.2	6.9	7.0	7.3	7.1	7.2	7.1	7.0	7.1
22	7.2	7.1	7.1	7.2	7.0	7.1	7.3	7.1	7.2	7.2	6.6	7.0
23	7.1	7.1	7.1	7.6	7.1	7.2	7.3	7.1	7.2	6.9	6.6	6.8
24	7.2	7.1	7.1	7.8	7.1	7.2	7.3	7.1	7.2	7.2	6.8	7.0
25	7.1	7.1	7.1	8.0	7.1	7.3	7.3	7.1	7.2	7.2	6.9	7.1
26	7.1	7.0	7.0	8.2	7.1	7.2	7.1	6.6	7.0	7.5	7.1	7.2
27	7.0	6.9	7.0	8.0	7.1	7.2	7.0	6.7	7.0	7.4	7.0	7.2
28	7.0	7.0	7.0	8.0	7.1	7.2	7.1	7.0	7.0	7.3	7.0	7.1
29	7.1	7.0	7.0	7.7	7.0	7.2	7.1	7.0	7.1	7.2	7.0	7.1
30	---	---	---	7.1	6.6	6.7	7.1	7.0	7.1	7.2	7.1	7.2
31	---	---	---	6.8	6.6	6.7	---	---	---	7.1	6.6	6.7
MAX	7.4	7.3	7.3	8.2	7.1	7.3	7.3	7.1	7.2	8.0	7.1	7.2
MIN	7.0	6.9	7.0	6.8	6.6	6.7	6.9	6.6	6.8	6.9	6.5	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.9	6.7	6.8	7.1	6.9	7.0	7.0	6.8	6.9	7.1	6.7	7.0
2	6.9	6.9	6.9	6.9	6.7	6.8	7.0	6.5	6.9	7.1	6.8	7.0
3	7.0	6.9	7.0	7.0	6.8	6.9	---	---	---	7.0	6.9	7.0
4	7.1	6.9	7.0	7.2	6.6	6.8	---	---	---	7.0	6.9	7.0
5	7.2	6.9	7.0	7.0	6.6	6.9	---	---	---	7.1	6.9	7.0
6	7.3	7.0	7.1	7.0	6.9	6.9	---	---	---	7.0	6.9	7.0
7	7.1	7.0	7.1	7.0	6.8	6.9	---	---	---	7.2	6.6	6.7
8	7.2	7.0	7.0	7.3	6.8	7.0	---	---	---	6.9	6.7	6.8
9	7.6	7.0	7.1	7.7	7.3	7.6	---	---	---	---	---	---
10	7.1	6.9	6.9	7.7	7.3	7.6	6.9	6.8	6.8	---	---	---
11	7.0	6.8	6.9	7.3	7.0	7.1	7.0	6.8	6.9	---	---	---
12	7.1	6.9	7.0	7.3	7.0	7.2	6.9	6.0	6.5	---	---	---
13	7.2	6.3	6.6	7.9	7.0	7.1	7.0	6.7	6.9	---	---	---
14	9.4	6.3	6.5	7.5	6.9	7.0	7.1	6.9	7.0	7.3	7.1	7.2
15	7.0	6.6	6.8	7.8	6.9	7.1	7.1	6.8	7.0	7.3	7.2	7.2
16	7.0	6.5	6.7	7.6	6.9	7.1	7.1	6.8	7.0	7.3	6.5	7.1
17	6.9	6.8	6.9	7.7	7.0	7.0	7.0	7.0	7.0	---	---	---
18	7.0	6.9	6.9	7.0	6.6	6.7	7.2	7.0	7.1	---	---	---
19	7.0	6.9	6.9	6.9	6.4	6.8	7.2	7.0	7.1	---	---	---
20	7.0	6.9	6.9	7.3	6.7	6.9	7.3	7.0	7.1	---	---	---
21	7.6	6.4	6.9	7.2	6.8	6.9	7.0	6.8	6.9	7.1	7.0	7.1
22	7.0	6.5	6.7	7.3	6.8	7.0	6.9	6.8	6.8	7.1	7.0	7.0
23	7.7	6.7	6.8	7.2	6.8	6.9	6.9	6.8	6.8	7.0	7.0	7.0
24	6.9	6.7	6.8	7.2	6.5	6.9	6.9	6.7	6.8	7.1	7.0	7.0
25	7.0	6.8	6.8	7.3	6.6	7.1	6.8	6.2	6.7	7.1	7.0	7.0
26	7.2	6.8	7.0	7.2	6.1	6.4	6.6	6.3	6.6	7.1	7.0	7.0
27	7.1	6.6	7.0	6.8	6.5	6.7	6.8	6.6	6.7	---	---	---
28	7.2	6.6	6.8	7.1	6.2	6.5	6.9	6.6	6.8	---	---	---
29	7.2	6.9	7.0	6.8	6.7	6.8	7.0	6.5	6.8	---	---	---
30	7.2	6.9	7.1	6.8	6.6	6.7	---	---	---	---	---	---
31	---	---	---	6.8	6.8	6.8	7.2	7.1	7.1	---	---	---
MAX	9.4	7.0	7.1	7.9	7.3	7.6	---	---	---	---	---	---
MIN	6.9	6.3	6.5	6.8	6.1	6.4	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.3	15.6	17.2	17.7	14.5	16.0	9.2	6.3	7.6	8.5	5.5	7.0
2	18.4	14.7	16.3	17.9	14.7	16.2	9.0	6.6	7.8	9.7	7.2	8.4
3	17.4	14.0	15.5	18.0	14.6	16.2	7.7	7.0	7.3	12.2	9.2	10.7
4	18.8	14.6	16.5	18.3	16.2	17.3	7.1	6.5	6.7	13.8	11.4	12.5
5	19.8	15.8	17.6	21.8	17.9	19.0	7.0	6.4	6.7	14.8	13.1	14.0
6	19.7	17.5	18.5	20.9	20.2	20.5	7.2	5.9	6.5	13.1	6.9	9.9
7	19.9	18.4	19.0	20.3	18.4	19.4	7.3	4.8	5.9	6.9	4.0	4.9
8	19.3	18.4	18.8	18.4	16.2	17.0	7.5	4.7	6.0	4.4	3.0	3.8
9	19.8	18.5	19.1	16.7	14.2	15.6	8.2	5.6	6.9	5.4	4.4	5.0
10	20.1	18.8	19.2	14.7	12.4	13.5	11.2	8.1	10.2	5.4	4.0	4.9
11	19.0	18.3	18.6	15.0	11.9	13.4	9.8	6.9	8.1	5.5	2.7	4.0
12	21.1	18.0	19.3	16.9	13.1	14.8	7.6	5.6	6.6	6.4	3.0	4.6
13	21.0	18.2	19.6	15.9	11.1	13.9	7.4	6.0	6.6	8.2	4.9	6.3
14	21.0	17.9	19.8	11.8	9.2	10.4	6.8	6.1	6.4	9.0	5.9	7.4
15	18.5	15.8	17.1	12.5	9.3	10.7	7.4	5.3	6.3	9.8	7.4	8.6
16	17.6	14.0	15.7	13.7	10.6	12.0	9.0	5.6	7.1	8.6	5.6	7.1
17	15.4	13.9	14.9	16.1	13.2	15.0	9.8	6.8	8.3	7.3	6.0	6.8
18	16.7	13.6	15.1	17.9	15.2	16.3	7.0	5.2	6.3	9.4	7.3	8.6
19	17.3	13.6	15.3	18.3	15.9	17.5	7.4	5.3	6.2	9.0	5.5	7.5
20	18.0	14.2	15.9	15.9	13.7	14.5	5.6	3.8	4.6	6.2	3.4	4.7
21	18.7	14.8	16.7	14.3	12.2	13.3	5.2	2.7	3.9	6.3	3.2	4.6
22	18.7	15.8	17.1	14.2	11.8	13.0	6.1	3.1	4.5	6.9	3.5	5.1
23	17.8	14.6	16.2	14.3	11.9	13.1	10.1	4.6	6.5	6.2	3.4	4.8
24	17.7	14.5	15.9	14.2	11.5	13.3	10.5	7.6	9.5	7.7	3.4	5.5
25	17.9	15.0	16.2	11.5	9.0	10.1	7.6	5.3	6.1	9.4	6.1	8.0
26	17.8	16.2	17.0	10.9	8.4	9.6	6.8	4.2	5.4	6.1	5.2	5.4
27	17.7	15.8	17.1	12.8	10.1	11.2	7.0	4.1	5.5	6.8	5.0	5.6
28	15.8	14.0	14.5	13.1	10.4	12.5	7.3	4.5	5.9	5.1	2.9	4.1
29	15.7	13.1	14.4	10.4	7.6	8.7	9.3	6.0	7.4	5.1	2.5	3.9
30	16.3	13.0	14.6	8.6	6.0	7.3	10.2	8.1	9.3	7.2	4.3	5.5
31	17.2	14.0	15.4	---	---	---	8.4	6.0	7.2	6.6	4.1	5.4
MONTH	21.1	13.0	16.9	21.8	6.0	14.0	11.2	2.7	6.8	14.8	2.5	6.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.0	4.2	5.6	14.1	9.0	11.3	13.9	10.7	12.3	21.2	17.7	19.3
2	5.9	4.1	5.1	16.1	12.9	14.2	15.6	10.3	12.9	19.6	17.8	19.0
3	6.6	4.0	5.2	16.9	13.9	15.3	18.1	11.8	14.7	18.0	15.5	16.7
4	6.7	4.3	5.6	17.6	14.8	16.1	17.3	12.3	14.5	18.9	13.5	16.0
5	6.1	5.8	5.9	17.1	15.3	16.3	17.3	11.2	14.0	20.7	14.5	17.5
6	7.2	5.8	6.4	17.7	15.9	16.8	18.7	12.1	15.1	22.9	17.0	19.7
7	7.1	4.9	6.2	17.8	14.2	15.8	19.0	13.4	16.0	24.2	18.2	21.0
8	6.3	3.6	5.0	15.0	11.5	13.1	19.4	15.5	17.1	25.1	19.0	21.8
9	6.4	4.9	5.5	12.7	9.9	11.4	20.6	14.8	17.4	24.8	20.3	22.3
10	7.2	5.4	6.2	13.2	8.7	10.9	18.4	14.3	16.5	24.7	20.3	22.1
11	8.0	6.8	7.4	14.0	8.5	11.2	16.8	14.1	16.1	23.3	20.8	21.9
12	7.8	6.8	7.1	14.9	9.9	12.1	18.2	14.6	16.4	23.4	20.9	21.8
13	8.7	6.1	7.5	15.0	9.8	12.2	14.8	12.2	14.1	23.0	20.7	21.7
14	8.7	8.0	8.4	16.0	11.3	13.5	14.5	10.6	12.4	23.5	20.5	21.6
15	8.6	8.1	8.4	17.3	13.9	15.5	17.1	11.0	13.9	24.3	20.2	22.1
16	8.1	7.0	7.6	17.7	14.5	16.0	18.9	12.8	15.7	24.1	20.8	21.7
17	7.7	6.4	7.1	17.2	12.7	14.7	20.3	14.3	17.2	23.3	20.3	21.5
18	9.2	5.8	7.4	14.4	11.9	13.4	21.7	15.6	18.5	23.2	20.7	21.6
19	9.7	5.8	7.9	18.5	12.1	15.0	22.3	16.7	19.3	23.8	20.4	21.9
20	10.1	7.4	8.8	18.8	13.6	16.0	22.0	17.7	19.6	25.4	20.6	22.7
21	12.6	9.6	10.9	18.0	13.4	16.1	20.8	17.7	19.2	26.7	21.7	23.9
22	11.8	8.3	10.1	14.8	10.0	12.1	22.8	17.4	19.8	24.7	22.4	23.6
23	10.1	8.5	9.1	14.4	8.5	11.3	22.9	18.2	20.4	26.1	21.5	23.4
24	10.2	9.0	9.6	15.9	9.7	12.6	23.0	18.4	20.7	26.0	21.4	23.5
25	10.1	8.5	9.4	18.1	11.8	14.7	23.4	19.1	21.2	27.0	22.5	24.4
26	8.5	5.3	6.0	20.1	13.9	16.8	21.4	18.0	19.4	27.8	23.0	25.0
27	6.9	5.2	5.9	20.6	15.0	17.7	20.1	16.0	17.8	27.7	23.0	24.9
28	9.7	4.9	7.2	21.7	15.4	18.3	20.4	14.5	17.3	27.0	23.0	24.5
29	10.4	6.4	8.5	19.6	16.7	17.9	20.1	16.2	18.0	25.2	22.7	23.7
30	---	---	---	17.7	15.0	16.4	19.3	18.0	18.6	26.9	22.5	24.3
31	---	---	---	16.1	12.9	14.6	---	---	---	24.8	21.2	22.7
MONTH	12.6	3.6	7.3	21.7	8.5	14.5	23.4	10.3	16.9	27.8	13.5	21.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.5	20.6	21.5	24.8	22.5	23.5	29.0	25.0	26.7	25.2	23.8	24.2
2	22.9	19.9	21.3	24.3	21.5	23.4	28.3	25.3	26.4	24.0	22.9	23.4
3	23.3	19.7	21.5	25.9	22.7	24.2	---	---	---	24.5	22.5	23.3
4	25.3	20.9	22.7	27.0	23.3	25.1	---	---	---	25.2	22.1	23.4
5	25.5	20.2	22.5	27.7	24.2	25.9	---	---	---	25.5	22.2	23.6
6	25.6	21.4	23.2	28.2	24.3	26.0	---	---	---	23.9	22.3	23.0
7	23.5	21.7	22.5	27.9	23.4	25.4	---	---	---	23.1	22.1	22.5
8	23.5	21.2	22.2	28.5	23.6	25.7	---	---	---	23.1	22.2	22.7
9	23.3	21.8	22.5	27.7	24.3	26.0	25.5	---	---	---	21.4	---
10	26.0	21.8	23.8	28.4	24.4	26.2	23.3	21.9	22.6	---	---	---
11	28.4	23.2	25.5	29.2	24.5	26.6	25.3	20.9	23.0	---	---	---
12	29.6	24.1	26.4	27.5	25.0	26.2	23.6	21.6	22.7	---	---	---
13	26.2	23.7	24.3	29.8	24.4	26.7	24.1	20.9	22.3	23.5	---	---
14	25.1	23.1	24.1	30.1	24.9	27.1	24.5	19.8	22.0	23.2	21.0	22.0
15	25.2	23.5	24.2	29.3	24.6	26.5	24.1	21.4	22.5	21.8	21.0	21.5
16	26.5	23.7	24.9	27.2	23.3	25.2	25.5	22.1	23.5	23.1	21.3	22.1
17	27.4	23.7	25.4	27.0	24.0	25.0	26.2	22.6	24.1	---	---	---
18	28.0	24.5	26.1	27.0	22.9	25.1	26.8	22.6	24.4	---	---	---
19	29.1	24.8	26.6	28.1	23.1	25.3	27.0	22.7	24.7	---	---	---
20	28.8	24.3	26.2	27.8	22.8	25.0	27.2	23.3	24.8	20.4	---	---
21	25.9	23.2	24.4	28.9	23.1	25.7	25.5	23.1	24.2	20.6	17.9	19.1
22	26.8	23.4	24.8	28.6	23.7	26.0	26.7	23.3	24.8	20.9	18.1	19.4
23	25.7	23.5	24.4	30.6	24.5	27.0	26.5	23.8	24.8	22.0	18.4	20.0
24	24.6	23.4	24.0	30.2	24.8	26.6	26.7	23.4	24.9	22.5	19.6	21.0
25	25.7	23.2	24.2	28.1	23.5	25.7	25.0	22.5	23.6	22.7	20.3	21.4
26	25.0	23.5	24.2	26.2	23.7	24.6	26.2	22.7	24.2	22.6	20.1	21.2
27	25.2	23.0	24.0	25.6	23.9	24.7	27.2	23.1	24.9	21.1	19.9	20.7
28	24.2	23.1	23.7	26.3	23.7	24.8	27.7	23.7	25.4	---	---	---
29	24.6	22.7	23.6	26.1	23.6	24.7	27.0	23.9	25.0	---	---	---
30	24.2	22.5	23.4	27.1	24.2	25.5	27.3	23.6	25.2	---	---	---
31	---	---	---	28.1	24.5	26.0	27.6	23.6	25.3	---	---	---
MONTH	29.6	19.7	23.9	30.6	21.5	25.5	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.8	6.5	7.1	7.8	7.2	7.5	---	---	---	13.5	11.3	13.0
2	8.1	6.4	7.2	7.7	6.9	7.3	---	---	---	13.4	12.3	13.0
3	8.6	6.4	7.7	7.9	7.0	7.4	---	---	---	12.5	11.4	12.1
4	8.4	7.0	7.6	7.6	6.5	7.1	---	---	---	11.8	11.0	11.4
5	8.6	5.9	7.4	7.0	5.9	6.4	11.5	11.3	11.4	11.4	<0.5	9.1
6	---	---	---	6.2	5.5	6.0	11.9	11.4	11.7	---	---	---
7	---	---	---	6.6	5.5	6.1	12.4	11.8	12.1	---	---	---
8	7.1	5.9	6.4	7.3	6.4	7.0	12.5	12.0	12.2	---	---	---
9	6.4	6.1	6.3	7.7	7.0	7.4	12.3	11.6	12.0	---	---	---
10	6.4	6.1	6.2	8.3	7.3	8.0	11.6	10.4	10.9	---	---	---
11	6.5	6.0	6.4	8.4	7.7	8.0	12.5	10.8	11.6	---	---	---
12	6.7	6.1	6.4	8.1	7.2	7.7	12.6	12.1	12.4	---	---	---
13	6.8	6.0	6.4	---	---	---	12.6	12.3	12.4	---	---	---
14	6.5	5.9	6.1	---	---	---	13.0	12.4	12.8	---	---	---
15	7.1	6.0	6.6	---	---	---	13.0	12.4	12.7	---	---	---
16	7.5	6.6	7.0	---	---	---	12.8	10.2	12.1	---	---	---
17	7.5	6.6	7.0	---	---	---	12.3	7.3	10.5	---	---	---
18	7.4	6.4	6.9	---	---	---	12.1	8.0	10.0	---	---	---
19	7.7	6.5	7.1	7.6	<0.5	5.1	13.2	10.9	12.3	---	---	---
20	7.8	6.6	7.1	---	---	---	13.6	12.0	13.1	---	---	---
21	7.9	6.1	7.1	---	---	---	13.8	12.8	13.3	---	---	---
22	7.8	6.2	6.9	---	---	---	13.5	12.4	13.0	12.9	11.6	12.2
23	8.1	6.2	7.0	---	---	---	13.1	10.7	12.1	12.7	11.5	12.2
24	8.4	6.4	7.2	---	---	---	12.4	11.4	11.9	12.5	11.0	11.9
25	8.9	6.4	7.4	---	---	---	13.9	12.4	13.5	11.3	<0.5	8.2
26	7.5	6.3	6.7	---	---	---	14.5	13.7	14.0	---	---	---
27	6.8	6.4	6.6	---	---	---	14.3	13.7	14.0	---	---	---
28	7.3	6.6	7.1	---	---	---	14.4	13.6	13.9	---	---	---
29	7.7	7.1	7.4	---	---	---	13.7	12.3	13.3	---	---	---
30	7.8	7.1	7.5	---	---	---	12.3	<0.5	4.7	---	---	---
31	7.8	7.3	7.6	---	---	---	13.0	<0.5	8.7	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	10.3	9.1	9.9	9.0	6.4	8.3	8.4	6.5	7.5
2	---	---	---	9.5	8.7	9.2	9.8	8.2	9.1	8.8	7.2	7.6
3	---	---	---	9.6	8.6	9.0	9.6	7.7	8.8	7.9	7.5	7.7
4	---	---	---	9.5	8.3	8.8	9.7	5.6	8.4	8.4	7.7	7.9
5	---	---	---	9.6	8.1	8.7	10.8	5.6	8.5	8.3	7.2	7.8
6	---	---	---	8.2	5.6	7.0	11.0	7.9	9.7	7.9	7.0	7.5
7	---	---	---	9.1	6.7	8.0	10.8	7.9	9.4	7.9	6.9	7.4
8	---	---	---	10.2	8.4	9.5	10.0	6.5	8.2	8.0	6.6	7.3
9	---	---	---	10.5	9.2	9.8	9.7	6.5	8.0	8.4	6.3	7.2
10	---	---	---	11.0	9.2	10.0	9.8	6.9	8.2	8.4	6.3	7.2
11	---	---	---	11.1	9.2	10.1	7.5	2.3	5.6	8.5	6.4	7.3
12	---	---	---	11.2	9.0	9.9	10.0	3.1	7.1	8.6	6.1	7.3
13	---	---	---	11.6	8.7	10.1	9.7	<0.5	8.6	7.2	6.4	6.8
14	---	---	---	11.4	8.6	9.8	10.6	<0.5	9.7	7.3	6.4	6.8
15	---	---	---	11.3	8.1	9.4	10.3	8.6	9.6	7.6	6.6	7.1
16	---	---	---	10.4	7.9	8.8	9.5	7.6	8.7	7.8	5.7	7.1
17	---	---	---	10.9	7.9	9.3	9.3	8.0	8.6	---	---	---
18	---	---	---	11.5	8.2	9.7	9.4	7.9	8.7	---	---	---
19	---	---	---	11.5	7.9	9.7	9.1	7.6	8.5	---	---	---
20	---	---	---	11.7	7.7	9.4	9.1	7.1	8.1	---	---	---
21	10.1	9.7	9.9	10.1	6.1	8.2	8.8	7.1	7.9	6.7	5.7	6.2
22	10.6	9.7	10.2	10.4	6.6	8.5	9.0	7.2	8.0	6.9	5.4	6.2
23	10.6	9.9	10.3	12.3	7.5	9.6	9.0	7.0	7.9	7.0	5.8	6.6
24	10.3	9.7	10.1	12.5	9.3	10.7	9.0	7.0	7.8	7.2	5.9	6.7
25	10.2	9.5	9.9	12.4	8.5	10.3	8.7	6.8	7.7	7.5	6.2	6.8
26	11.4	10.1	11.0	12.2	8.0	9.8	8.1	6.2	7.0	7.8	5.9	6.8
27	11.2	11.0	11.1	11.7	7.6	9.4	8.1	7.1	7.8	8.2	5.9	6.9
28	11.4	10.4	11.0	11.7	7.5	9.2	8.6	7.6	8.1	8.6	5.6	6.9
29	11.0	10.1	10.7	11.6	7.3	8.8	8.5	7.1	7.9	8.2	5.9	6.8
30	---	---	---	9.5	4.6	7.8	8.3	7.1	7.7	7.5	5.9	6.7
31	---	---	---	8.0	6.5	7.4	---	---	---	8.2	5.7	6.3
MONTH	---	---	---	12.5	4.6	9.2	11.0	0.5	8.3	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.3	6.3	7.0	---	---	---	7.4	4.3	6.4
2	---	---	---	8.1	5.5	6.8	---	---	---	7.6	6.2	7.1
3	6.7	5.5	6.2	7.0	5.9	6.7	---	---	---	---	---	---
4	6.9	5.4	6.2	7.1	5.9	6.3	---	---	---	---	---	---
5	7.5	4.7	6.2	7.4	6.3	7.0	---	---	---	---	---	---
6	8.2	4.8	6.5	7.4	6.1	7.1	---	---	---	---	---	---
7	7.8	5.1	6.4	8.5	5.9	6.9	---	---	---	---	---	---
8	7.3	5.5	6.5	---	---	---	---	---	---	---	---	---
9	7.4	5.9	6.6	---	---	---	9.6	---	---	---	---	---
10	---	---	---	---	---	---	8.6	6.7	7.7	---	---	---
11	---	---	---	---	---	---	8.1	6.3	7.2	---	---	---
12	---	---	---	---	---	---	7.8	0.0	6.0	---	---	---
13	---	---	---	10.0	5.8	7.5	7.1	6.6	6.9	---	---	---
14	---	---	---	9.2	4.2	6.5	7.3	6.5	7.0	---	---	---
15	---	---	---	9.3	3.3	6.2	7.9	6.5	6.9	---	---	---
16	---	---	---	9.4	4.3	6.9	6.9	6.0	6.5	7.7	5.9	6.9
17	---	---	---	10.0	4.5	7.0	7.2	5.9	6.5	---	---	---
18	---	---	---	---	---	---	7.1	5.8	6.3	---	---	---
19	---	---	---	---	---	---	7.6	4.1	6.2	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	7.3	6.6	6.9
24	6.9	6.4	6.7	---	---	---	7.9	5.9	6.7	7.2	6.4	6.8
25	7.0	5.2	6.4	---	---	---	9.2	6.1	7.3	7.2	6.2	6.6
26	7.0	6.5	6.8	---	---	---	7.5	6.7	7.2	7.8	6.3	7.0
27	7.5	5.4	6.8	---	---	---	7.5	6.5	7.0	---	---	---
28	8.0	6.8	7.1	---	---	---	---	---	---	---	---	---
29	7.3	7.0	7.2	---	---	---	---	---	---	---	---	---
30	7.8	6.8	7.2	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	7.1	5.8	6.3	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	33	8.8	14	---	---	---	---	---	---	15	<5.0	6.8
2	41	8.8	12	---	---	---	---	---	---	8.8	<5.0	<5.0
3	41	8.5	11	---	---	---	---	---	---	10	<5.0	<5.0
4	21	9.4	12	---	---	---	---	---	---	7.8	<5.0	<5.0
5	40	11	14	---	---	---	21	8.6	13	230	<5.0	10
6	24	13	16	---	---	---	15	6.2	7.7	160	24	54
7	---	---	---	---	---	---	8.7	<5.0	<5.0	27	9.3	15
8	530	8.6	180	---	---	---	9.3	<5.0	<5.0	10	5.6	7.2
9	60	13	22	---	---	---	6.9	<5.0	<5.0	45	5.6	25
10	17	5.7	8.1	---	---	---	300	<5.0	170	52	11	18
11	11	<5.0	6.8	---	---	---	170	26	52	19	5.4	8.2
12	17	<5.0	5.8	---	---	---	27	8.6	15	6.7	<5.0	5.1
13	20	<5.0	6.8	---	---	---	120	6.0	8.4	7.6	<5.0	<5.0
14	34	5.3	11	---	---	---	140	36	82	7.7	<5.0	<5.0
15	19	6.6	8.4	---	---	---	38	12	19	7.9	<5.0	<5.0
16	15	<5.0	6.6	---	---	---	85	6.2	8.5	11	<5.0	5.2
17	56	<5.0	7.5	---	---	---	130	21	50	23	<5.0	<5.0
18	100	6.0	19	150	<5.0	---	22	9.3	15	160	20	44
19	12	<5.0	5.7	910	87	230	11	5.5	7.5	23	8.5	12
20	15	<5.0	7.2	87	23	44	11	<5.0	6.9	17	5.4	7.3
21	28	<5.0	8.5	32	11	16	9.5	<5.0	5.8	17	<5.0	6.8
22	27	<5.0	7.9	23	6.7	10	9.3	<5.0	<5.0	7.4	<5.0	<5.0
23	24	<5.0	5.3	12	5.7	7.0	190	<5.0	5.3	6.6	<5.0	<5.0
24	12	<5.0	5.3	98	5.5	28	160	27	74	8.9	<5.0	<5.0
25	34	<5.0	7.0	34	10	16	32	9.5	15	250	<5.0	140
26	460	<5.0	120	21	6.8	9.4	14	5.0	6.6	150	26	70
27	270	---	---	230	6.4	8.9	6.5	<5.0	<5.0	32	8.8	14
28	---	---	---	220	37	73	6.9	<5.0	<5.0	11	6.4	8.3
29	---	---	---	---	---	---	8.3	<5.0	<5.0	12	<5.0	5.8
30	8.7	<5.0	<5.0	---	---	---	130	<5.0	44	6.7	<5.0	<5.0
31	9.5	<5.0	5.7	---	---	---	25	9.1	12	5.6	<5.0	<5.0
MAX	---	---	---	---	---	---	---	---	---	250	26	140
MIN	---	---	---	---	---	---	---	---	---	5.6	5.0	5.0

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	<5.0	<5.0	5.3	<5.0	<5.0	14	<5.0	7.0	320	<5.0	10
2	460	<5.0	<5.0	7.3	<5.0	<5.0	8.9	<5.0	<5.0	520	47	180
3	540	39	110	9.3	<5.0	<5.0	8.4	<5.0	<5.0	54	10	23
4	40	12	21	5.5	<5.0	<5.0	20	<5.0	<5.0	22	6.4	9.8
5	16	6.3	9.4	8.7	<5.0	<5.0	13	<5.0	<5.0	33	5.1	6.8
6	430	6.9	230	180	<5.0	51	12	<5.0	<5.0	140	5.6	10
7	160	23	51	46	7.0	14	15	<5.0	<5.0	36	6.1	8.6
8	23	8.1	14	9.2	<5.0	5.4	8.8	<5.0	<5.0	36	<5.0	7.5
9	11	5.5	7.4	8.0	<5.0	<5.0	12	<5.0	<5.0	14	<5.0	5.8
10	9.9	5.3	6.6	12	<5.0	6.0	20	<5.0	<5.0	67	<5.0	8.4
11	15	<5.0	5.9	12	<5.0	<5.0	160	6.9	36	40	5.4	8.8
12	270	15	160	11	<5.0	<5.0	750	5.6	10	25	<5.0	6.7
13	82	16	38	10	<5.0	<5.0	520	63	200	74	8.1	22
14	72	14	50	19	<5.0	5.1	87	12	25	48	5.0	8.4
15	160	26	88	18	<5.0	7.4	13	6.3	8.6	70	<5.0	7.3
16	95	18	38	18	<5.0	6.8	10	<5.0	5.2	1200	<5.0	6.9
17	---	---	---	15	<5.0	6.0	14	<5.0	<5.0	920	17	51
18	---	---	---	8.7	<5.0	<5.0	12	<5.0	<5.0	140	11	35
19	8.9	5.0	5.9	11	<5.0	<5.0	15	<5.0	5.0	150	6.3	16
20	6.6	<5.0	5.6	16	<5.0	<5.0	13	<5.0	5.5	22	5.9	11
21	6.8	<5.0	5.1	14	<5.0	5.8	12	<5.0	5.8	10	<5.0	5.8
22	6.8	<5.0	5.0	14	<5.0	<5.0	10	<5.0	5.1	660	<5.0	5.9
23	40	<5.0	5.0	8.0	<5.0	<5.0	7.7	<5.0	5.2	620	23	83
24	13	<5.0	6.6	8.2	<5.0	<5.0	9.9	<5.0	<5.0	54	12	22
25	32	<5.0	7.3	11	<5.0	<5.0	9.1	<5.0	<5.0	81	7.4	12
26	42	18	35	7.8	<5.0	<5.0	160	<5.0	52	31	8.1	11
27	46	13	25	10	<5.0	<5.0	66	7.2	13	36	6.0	11
28	15	5.2	8.4	8.0	<5.0	<5.0	11	<5.0	6.6	18	5.1	9.5
29	7.3	<5.0	5.1	6.9	<5.0	<5.0	8.8	<5.0	<5.0	16	<5.0	7.0
30	---	---	---	240	<5.0	84	14	<5.0	5.5	27	5.5	13
31	---	---	---	55	7.4	13	---	---	---	450	8.6	130
MAX	---	---	---	240	7.4	84	750	63	200	1200	47	180
MIN	---	---	---	5.3	5.0	5.0	7.7	5.0	5.0	10	5.0	5.8

< Actual value is known to be less than the value shown

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	72	13	28	130	18	47	20	7.4	12	600	5.1	32
2	28	<5.0	7.2	190	44	78	530	6.2	12	140	26	78
3	16	<5.0	<5.0	71	19	36	820	---	---	45	6.5	12
4	22	<5.0	<5.0	750	9.8	19	---	---	---	9.3	<5.0	5.6
5	8.9	<5.0	<5.0	410	33	110	---	---	---	16	<5.0	5.0
6	13	<5.0	<5.0	110	15	29	---	---	---	12	<5.0	5.1
7	13	<5.0	5.0	480	11	16	---	---	---	680	5.0	280
8	67	6.0	13	220	11	47	---	---	---	270	30	70
9	54	5.8	8.2	170	8.7	16	130	---	---	30	---	---
10	120	7.6	53	240	11	36	26	5.0	11	---	---	---
11	27	6.1	14	37	11	16	18	<5.0	7.0	---	---	---
12	27	5.9	8.1	18	5.7	11	750	8.3	250	---	---	---
13	880	6.5	290	25	5.1	7.9	120	20	44	8.0	<5.0	5.0
14	880	47	180	95	6.0	10	21	7.9	13	12	<5.0	5.4
15	950	18	41	22	<5.0	9.0	470	5.3	7.9	11	<5.0	<5.0
16	500	64	130	74	5.4	9.3	140	8.4	16	940	<5.0	---
17	86	13	28	37	6.4	9.6	15	5.2	8.2	---	---	---
18	41	8.0	16	290	27	88	12	<5.0	5.5	---	---	---
19	19	6.1	9.7	33	9.4	16	12	<5.0	<5.0	---	---	---
20	24	5.9	8.8	180	7.9	11	140	<5.0	5.2	---	---	---
21	1000	7.5	30	23	5.2	7.7	110	7.2	22	23	6.4	9.1
22	510	61	120	59	6.4	9.4	21	<5.0	6.4	37	5.4	8.1
23	630	16	69	21	<5.0	7.2	290	---	---	13	7.0	9.2
24	180	30	51	1100	<5.0	7.0	---	---	---	10	<5.0	5.9
25	960	13	32	740	42	150	---	---	---	21	<5.0	6.5
26	480	44	120	1100	120	300	---	---	---	27	<5.0	10
27	760	18	37	120	17	47	---	---	---	640	6.4	---
28	660	86	220	840	68	160	---	---	---	---	---	---
29	650	45	150	540	23	42	---	---	---	---	---	---
30	110	22	38	1200	25	64	13	<5.0	7.5	---	---	---
31	---	---	---	28	12	18	30	<5.0	7.0	---	---	---
MAX	1000	86	290	1200	120	300	---	---	---	---	---	---
MIN	8.9	5.0	5.0	18	5.0	7.0	---	---	---	---	---	---

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2004 Water Year

02336300 PEACHTREE CREEK AT ATLANTA, GA

LOCATION.—Lat 33°49'10", long 84°24'28", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, on right bank 30 feet downstream of US 41 (Northside Drive) 0.4 miles downstream of Tanyard Branch, and 4.0 miles upstream from mouth.

DRAINAGE AREA.—86.8 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 31, 1959 to April 15, 1999; May 8, 2002; and June 30, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
23...	1120	--	9	9	81345	2.63	33	4.5	753	10.1	103	7.3	167
23...	1145	--	9	9	81345	2.63	33	4.5	753	10.1	105	7.3	167
NOV													
05-05	1641	1943	9	J	81345	4.61	379	650	--	6.2	--	7.2	164
NOV													
05-05	2041	2143	9	J	81345	5.55	610	620	--	6.1	--	7.0	110
NOV													
05-05	2241	2343	9	J	81345	6.83	900	710	--	6.0	--	6.9	76
NOV													
06-06	0041	0043	9	J	81345	7.02	952	690	--	5.7	--	6.8	60
NOV													
06-06	0141	0243	9	J	81345	6.04	697	620	--	6.0	--	6.8	54
NOV													
18-18	1941	1943	9	J	81345	2.77	50	67	--	7.1	--	7.2	150
NOV													
18-18	2241	2243	9	J	81345	4.80	432	100	--	7.3	--	7.1	109
NOV													
19-19	0041	0043	9	J	81345	6.24	787	--	--	6.9	--	7.0	84
NOV													
19-19	0241	0243	9	J	81345	14.71	4810	--	--	7.5	--	6.9	59
NOV													
19-19	0938	0940	9	J	81345	11.58	2980	460	--	7.0	--	6.5	40
NOV													
19-19	0940	0942	9	J	81345	11.58	2980	460	--	7.0	--	6.5	40
NOV													
19-19	0943	0945	9	J	81345	11.58	2980	460	--	7.0	--	6.5	40
JAN													
07...	1050	--	9	J	81345	2.77	47	18	758	12.6	97	7.1	117
07...	1125	--	9	J	81345	2.77	47	16	758	12.6	98	7.1	119
JAN													
09-09	0425	0427	9	J	81345	2.92	64	14	--	14.8	--	7.4	149
JAN													
09-09	0725	0727	9	J	81345	3.53	158	25	--	14.6	--	7.4	135
JAN													
09-09	1155	1157	9	J	81345	3.75	199	34	--	14.8	--	7.3	115
JAN													
09-09	1625	1627	9	J	81345	3.60	171	31	--	14.4	--	7.3	112
20...	1315	--	9	9	81345	2.71	40	5.9	747	13.3	108	7.2	137
20...	1345	--	9	9	81345	2.71	40	5.9	747	13.3	108	7.2	136
FEB													
02-02	1553	1555	9	J	81345	3.35	137	59	--	7.8	--	7.4	154
FEB													
02-02	1722	1724	9	J	81345	4.72	417	240	--	9.9	--	7.4	95
FEB													
02-02	2023	2025	9	J	81345	7.10	1050	240	--	8.8	--	7.1	79
FEB													
02-02	2152	2154	9	J	81345	7.31	1120	520	--	8.7	--	7.1	68
FEB													
03-03	0052	0054	9	J	81345	6.25	796	320	--	7.4	--	7.0	65
FEB													
03-03	0352	0354	9	J	81345	4.77	428	300	--	7.6	--	7.0	65
FEB													
03-03	0652	0654	9	J	81345	4.10	281	240	--	8.5	--	7.0	71
FEB													
03-03	0956	1003	9	J	81345	3.75	214	170	746	7.4	58	7.1	76
FEB													
03-03	1013	1054	9	J	81345	3.73	212	140	746	11.7	94	6.7	73
FEB													
06-06	0820	0822	9	J	81345	3.06	10	110	--	9.4	--	7.3	134
FEB													
06-06	1120	1122	9	J	81345	8.08	1380	370	--	6.6	--	7.2	71
FEB													
06-06	1420	1422	9	J	81345	8.60	1580	270	--	6.9	--	7.1	66
FEB													
06-06	1720	1722	9	J	81345	7.48	1170	260	--	6.9	--	7.0	61
FEB													
06-06	2020	2022	9	J	81345	5.45	584	260	--	6.0	--	7.0	65
FEB													
06-06	2320	2322	9	J	81345	4.51	4.8	180	--	6.7	--	7.0	68
MAR													
01...	1345	--	9	9	81345	2.77	53	6.7	749	11.1	107	7.3	149
01...	1400	--	9	9	81345	2.77	53	4.7	752	11.2	108	7.7	155
24...	1345	--	9	9	81345	2.63	36	4.6	760	12.7	128	7.8	158
24...	1400	--	9	9	81345	2.63	36	19	760	13.0	131	7.9	158

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
23...	16.5	54	2	15.5	3.57	3.57	.5	9.02	25	51.4	.1	11.3	18.5
23...	16.5	55	3	15.8	3.68	3.61	.5	9.28	25	51.8	.1	11.7	18.7
NOV													
05-05	20.5	35	--	10.8	2.04	4.73	.6	7.61	29	36.5	<.02	10.2	11.0
NOV													
05-05	20.4	26	--	7.58	1.59	3.79	.3	3.99	22	27.6	<.02	5.65	9.23
NOV													
05-05	20.3	19	--	5.76	1.18	3.21	.3	3.47	24	20.9	<.02	3.86	7.09
NOV													
06-06	20.5	14	--	4.38	.84	2.90	.3	2.47	23	15.9	<.02	3.03	5.09
NOV													
06-06	20.7	15	--	4.55	.87	3.19	.3	2.70	24	15.8	<.02	3.13	5.13
NOV													
18-18	17.4	44	4	13.0	2.69	4.99	.5	7.07	24	40.0	M	9.07	16.9
NOV													
18-18	17.8	30	5	9.07	1.68	5.11	.5	6.29	27	24.5	<.02	7.63	8.22
NOV													
19-19	18.1	24	2	7.32	1.29	4.42	.4	4.41	25	21.8	<.02	5.39	6.41
NOV													
19-19	18.2	18	1	5.55	.87	3.60	.4	4.28	30	16.1	<.02	4.91	4.21
NOV													
19-19	18.0	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
19-19	18.0	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
19-19	18.0	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
07...	4.5	53	14	13.4	4.75	2.84	.5	9.03	26	38.8	M	11.6	16.2
07...	4.5	51	5	12.9	4.43	2.91	.5	8.96	26	45.7	.1	14.3	16.6
JAN													
09-09	4.5	53	7	13.9	4.50	3.06	.6	9.87	27	47.0	.1	14.5	16.6
JAN													
09-09	4.8	52	7	13.4	4.51	2.88	.6	9.17	26	45.6	.1	14.3	16.2
JAN													
09-09	5.0	40	4	10.7	3.24	2.52	.5	7.49	27	36.7	M	7.77	20.1
JAN													
09-09	5.4	53	11	14.1	4.32	3.24	.7	11.8	31	42.0	<.02	11.2	19.3
20...	5.5	44	3	12.6	2.88	2.59	.5	7.18	25	40.4	M	9.24	14.6
20...	5.5	43	--	12.4	2.89	2.58	.5	7.16	25	44.8	<.02	9.32	14.7
FEB													
02-02	5.0	40	8	11.8	2.49	2.86	.4	6.29	24	31.4	<.02	10.1	13.7
FEB													
02-02	4.8	24	6	7.50	1.32	2.43	.5	5.34	30	18.3	<.02	7.67	6.44
FEB													
02-02	4.5	21	4	6.35	1.25	2.05	.4	4.10	27	17.2	M	6.18	6.14
FEB													
02-02	4.2	19	4	5.87	1.14	1.90	.3	3.29	25	15.7	<.02	4.29	6.15
FEB													
03-03	4.1	17	4	5.35	.98	1.71	.4	3.87	30	13.7	<.02	5.20	5.33
FEB													
03-03	4.0	17	4	5.29	.98	1.82	.3	3.32	27	13.5	<.02	4.87	5.53
FEB													
03-03	4.0	19	3	5.70	1.11	1.77	.3	3.48	26	15.4	<.02	5.02	6.26
FEB													
03-03	4.2	21	4	6.42	1.25	1.93	.4	3.91	27	16.8	<.02	5.54	5.94
FEB													
03-03	5.0	21	5	6.34	1.20	1.96	.4	4.14	28	16.1	<.02	5.23	5.89
FEB													
06-06	6.0	38	9	11.5	2.28	2.71	.4	6.29	25	28.7	<.02	8.73	13.6
FEB													
06-06	6.5	21	4	6.58	1.11	2.19	.5	4.89	31	17.4	<.02	6.81	5.76
FEB													
06-06	6.5	19	4	5.82	1.06	2.01	.3	3.08	24	15.2	<.02	3.88	5.99
FEB													
06-06	6.7	16	3	4.98	.90	1.76	.3	3.02	26	12.8	<.02	3.63	5.06
FEB													
06-06	7.0	17	4	5.25	.95	1.87	.4	3.45	28	13.5	<.02	4.53	4.82
FEB													
06-06	7.1	19	5	5.96	1.08	2.08	.3	3.36	25	14.9	<.02	4.36	5.82
MAR													
01...	13.0	51	10	15.0	3.27	2.52	.4	7.36	23	40.9	.1	11.4	17.2
01...	13.0	57	16	16.8	3.60	2.89	.5	8.28	23	41.0	.1	11.7	10.2
24...	15.5	54	7	15.7	3.49	2.88	.5	9.20	26	46.7	.1	12.1	14.1
24...	15.5	53	7	15.5	3.42	2.82	.6	9.40	27	46.4	<.02	12.1	13.7

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
OCT													
23...	11.5	107	.15	--	<.020	.59	<.020	--	<.100	<.10	.75	--	--
23...	11.5	108	.15	.03	.027	.58	<.020	--	<.100	<.10	.84	--	--
NOV													
05-05	8.7	79	.11	--	<.020	.44	<.020	--	<.100	<.10	.92	--	--
NOV													
05-05	6.0	56	.08	--	<.020	.35	<.020	--	<.100	<.10	.55	--	--
NOV													
05-05	3.7	42	.06	.09	.068	.27	<.020	--	<.100	<.10	.43	--	--
NOV													
06-06	3.4	33	.04	--	<.020	.24	<.020	--	<.100	<.10	.43	--	--
NOV													
06-06	3.4	34	.05	--	<.020	.24	<.020	--	<.100	<.10	.41	--	--
NOV													
18-18	8.4	88	.12	.14	.111	.28	<.020	--	<.100	.14	.50	--	--
NOV													
18-18	6.4	61	.08	.55	.424	.31	<.020	--	<.100	.16	1.06	--	--
NOV													
19-19	5.1	49	.07	.22	.171	.35	<.020	--	<.100	.12	.60	--	--
NOV													
19-19	3.7	39	.05	.22	.167	.33	<.020	--	<.100	<.10	.61	--	--
NOV													
19-19	--	--	--	--	--	--	--	--	--	--	--	12000	9300k
NOV													
19-19	--	--	--	--	--	--	--	--	--	--	--	11000	8300@
NOV													
19-19	--	--	--	--	--	--	--	--	--	--	--	13000	15000k
JAN													
07...	21.8	108	.15	.04	.032	.93	<.020	--	<.100	<.10	.53	660	350
07...	7.5	103	.14	.04	.032	1.68	<.020	--	<.100	<.10	.59	--	--
JAN													
09-09	7.7	106	.14	.03	.027	1.53	<.020	--	<.100	.23	1.05	--	--
JAN													
09-09	7.5	104	.14	.10	.074	1.73	<.020	--	<.100	.15	1.07	--	--
JAN													
09-09	11.5	88	.12	.04	.029	.54	<.020	--	<.100	<.10	.75	--	--
JAN													
09-09	26.0	119	.16	.14	.110	.78	<.020	--	<.100	<.10	.91	--	--
20...	8.1	85	.12	.12	.090	.75	<.020	--	<.100	<.10	.83	2300	360
20...	8.2	88	.12	.10	.078	.76	<.020	--	<.100	<.10	.98	--	--
FEB													
02-02	12.4	83	.11	.25	.196	.90	<.020	--	<.100	<.10	1.40	--	--
FEB													
02-02	7.0	52	.07	.47	.365	.56	<.020	--	<.100	<.10	1.38	--	--
FEB													
02-02	5.8	45	.06	.24	.183	.62	<.020	--	<.100	<.10	1.09	--	--
FEB													
02-02	5.4	41	.06	.11	.086	.65	<.020	--	<.100	<.10	.99	--	--
FEB													
03-03	4.9	39	.05	.28	.220	.53	<.020	--	<.100	<.10	.97	--	--
FEB													
03-03	5.0	38	.05	.22	.167	.53	<.020	--	<.100	<.10	.89	--	--
FEB													
03-03	5.8	42	.06	.21	.160	.59	<.020	--	<.100	<.10	.97	--	--
FEB													
03-03	6.2	44	.06	.19	.151	.61	<.020	--	<.100	<.10	.92	--	--
FEB													
03-03	5.8	43	.06	.21	.161	.57	<.020	--	<.100	<.10	.96	52	<1k
FEB													
06-06	11.0	79	.11	.12	.093	1.14	<.020	--	<.100	<.10	1.55	--	--
FEB													
06-06	6.0	48	.06	.24	.188	.62	<.020	.316	.103	.12	1.22	--	--
FEB													
06-06	5.2	40	.05	.22	.171	.67	<.020	--	<.100	<.10	1.06	--	--
FEB													
06-06	4.6	35	.05	.21	.166	.58	<.020	--	<.100	.11	.99	--	--
FEB													
06-06	5.0	38	.05	.17	.132	.58	<.020	.368	.120	.15	1.00	--	--
FEB													
06-06	5.7	41	.06	.16	.127	.64	<.020	--	<.100	<.10	1.02	--	--
MAR													
01...	11.4	97	.13	.06	.050	.90	<.020	--	<.100	<.10	1.02	540	110
01...	11.6	94	.13	.06	.050	.89	<.020	--	<.100	<.10	.94	--	--
24...	10.9	99	.14	--	<.020	.60	<.020	--	<.100	<.10	.68	260	160
24...	10.7	99	.13	--	<.020	.59	<.020	--	<.100	<.10	.72	--	--

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Total coliform, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)
OCT				
23...	--	73.5	<100	70
23...	--	76.3	<100	70
NOV				
05-05	--	<50.0	120	40
NOV				
05-05	--	<50.0	110	30
NOV				
05-05	--	65.4	120	30
NOV				
06-06	--	<50.0	110	20
NOV				
06-06	--	<50.0	180	20
NOV				
18-18	--	<100	130	50
NOV				
18-18	--	120	<100	40
NOV				
19-19	--	121	<100	30
NOV				
19-19	--	120	<100	20
NOV				
19-19	>242000	--	--	--
NOV				
19-19	>242000	--	--	--
NOV				
19-19	242000	--	--	--
JAN				
07...	19100	47.1	230	60
07...	--	33.7	370	70
JAN				
09-09	--	58.5	310	70
JAN				
09-09	--	46.7	230	70
JAN				
09-09	--	49.2	150	70
JAN				
09-09	--	52.1	<100	80
20...	8500	46.1	180	60
20...	--	54.5	200	60
FEB				
02-02	--	23.8	<100	50
FEB				
02-02	--	35.5	160	30
FEB				
02-02	--	33.6	<100	30
FEB				
02-02	--	31.3	220	30
FEB				
03-03	--	45.9	260	20
FEB				
03-03	--	33.3	330	20
FEB				
03-03	--	<2.5	290	30
FEB				
03-03	--	35.7	<100	30
FEB				
03-03	1500	44.7	<100	30
FEB				
06-06	--	39.7	140	50
FEB				
06-06	--	26.1	210	30
FEB				
06-06	--	27.2	290	30
FEB				
06-06	--	29.8	300	20
FEB				
06-06	--	21.8	270	20
FEB				
06-06	--	36.3	360	30
MAR				
01...	6200	39.1	150	80
01...	--	14.5	140	80
24...	2500	65.0	290	80
24...	--	57.5	320	80

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
APR													
06...	1225	--	9	9	81345	2.60	43	6.4	750	10.5	110	7.1	160
06...	1240	--	9	9	81345	2.60	43	3.3	750	11.0	113	7.1	163
APR													
11-11	0722	0724	9	J	81345	2.70	56	34	--	6.6	--	7.0	158
APR													
11-11	0852	0854	9	J	81345	3.64	198	120	--	6.8	--	6.8	150
APR													
11-11	1022	1024	9	J	81345	3.71	211	79	--	3.6	--	6.8	158
APR													
11-11	1322	1324	9	J	81345	3.44	165	37	--	4.1	--	6.7	154
APR													
11-11	1622	1624	9	J	81345	3.51	176	31	--	3.3	--	6.7	133
APR													
11-11	2052	2054	9	J	81345	3.23	131	24	--	3.4	--	6.7	125
APR													
12-12	2138	2140	9	J	81345	4.11	329	140	--	8.7	--	7.0	126
APR													
12-12	2308	2310	9	J	81345	9.91	2160	500	--	9.6	--	7.0	80
APR													
13-13	0038	0040	9	J	81345	8.21	1430	540	--	8.9	--	6.8	75
APR													
13-13	0338	0340	9	J	81345	5.92	705	380	--	5.7	--	6.7	89
APR													
13-13	0638	0640	9	J	81345	7.15	1070	270	--	8.0	--	6.8	84
APR													
13-13	0938	0940	9	J	81345	6.34	821	250	--	9.2	--	6.7	74
APR													
13-13	1408	1410	9	J	81345	4.54	382	160	--	9.2	--	6.7	77
APR													
26-26	0741	0743	9	J	81345	2.98	95	100	--	8.0	--	7.1	171
APR													
26-26	0911	0913	9	J	81345	3.61	193	81	--	7.7	--	7.1	151
APR													
26-26	1341	1343	9	J	81345	4.19	311	110	--	7.1	--	7.0	125
APR													
26-26	1511	1513	9	J	81345	4.37	348	71	--	6.4	--	6.9	132
APR													
26-26	1811	1813	9	J	81345	4.32	336	100	--	6.7	--	6.8	119
APR													
26-26	2111	2113	9	J	81345	4.07	287	55	--	6.3	--	6.7	111
MAY													
01-01	2341	2343	9	J	81345	4.07	287	500	--	8.1	--	7.0	113
MAY													
02-02	0111	0113	9	J	81345	7.57	1200	400	--	7.6	--	6.9	100
MAY													
02-02	0241	0243	9	J	81345	8.36	1490	390	--	7.5	--	6.8	83
MAY													
02-02	0411	0413	9	J	81345	7.81	1280	380	--	7.6	--	6.6	92
MAY													
02-02	0541	0543	9	J	81345	7.49	1180	460	--	7.7	--	6.6	73
MAY													
02-02	0711	0713	9	J	81345	6.94	1000	430	--	7.7	--	6.6	65
MAY													
03-03	1200	1215	9	J	81345	2.95	85	17	747	8.6	91	7.2	97
MAY													
03-03	1205	1220	9	J	81345	2.95	85	21	747	8.7	92	7.2	100
MAY													
31-31	0708	0710	9	J	81345	2.98	95	370	--	7.5	--	7.0	144
MAY													
31-31	0833	0835	9	J	81345	5.72	653	330	--	6.9	--	6.8	129
MAY													
31-31	1003	1005	9	J	81345	4.95	469	180	--	6.9	--	6.8	108
MAY													
31-31	1133	1135	9	J	81345	4.89	456	280	--	6.5	--	6.6	113
MAY													
31-31	1303	1305	9	J	81345	5.26	541	280	--	6.2	--	6.6	124
MAY													
31-31	1603	1605	9	J	81345	4.46	367	240	--	6.2	--	6.6	104
JUN													
10-10	0142	0144	9	J	81345	3.11	114	50	--	6.8	--	7.0	161
JUN													
10-10	0227	0229	9	J	81345	3.47	169	81	--	7.1	--	7.1	150
JUN													
10-10	0312	0314	9	J	81345	3.43	164	72	--	7.2	--	7.1	151

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
APR 06...	17.0	54	5	15.5	3.62	3.03	.5	8.91	25	48.9	.1	10.4	17.0
06...	16.0	53	5	15.4	3.59	2.98	.5	8.62	25	48.5	.1	10.6	17.1
APR 11-11	14.8	53	7	15.6	3.43	4.24	.5	8.68	24	46.5	.1	11.6	16.1
APR 11-11	14.4	43	2	13.0	2.63	4.42	.6	8.38	27	41.1	.1	9.65	14.3
APR 11-11	15.2	49	3	14.9	2.77	4.72	.5	8.47	25	45.7	.1	9.76	11.3
APR 11-11	16.4	40	.0	12.0	2.34	3.90	.6	8.28	29	39.7	.1	8.74	12.1
APR 11-11	16.8	42	4	12.5	2.66	3.64	.5	6.91	24	37.9	<.02	7.39	13.7
APR 11-11	16.7	38	--	11.5	2.30	3.41	.5	7.42	28	38.7	.1	7.53	13.1
APR 12-12	16.0	37	4	11.2	2.15	4.34	.5	6.33	24	33.1	M	6.32	11.1
APR 12-12	14.8	24	4	7.98	.91	3.24	.4	4.11	24	20.1	<.02	4.82	3.58
APR 13-13	14.6	21	3	6.64	1.16	3.36	.3	2.96	20	18.1	M	3.91	5.44
APR 13-13	14.7	24	4	7.57	1.20	3.30	.4	4.18	24	19.9	M	4.28	6.03
APR 13-13	14.8	21	3	6.70	1.14	2.85	.4	3.92	25	18.9	<.02	4.88	5.87
APR 13-13	14.6	20	4	6.09	1.04	2.75	.3	2.97	22	15.9	<.02	2.98	5.21
APR 13-13	14.4	20	3	6.08	1.04	2.49	.3	2.86	22	16.3	M	3.35	5.46
APR 26-26	18.4	47	7	14.0	2.89	5.23	.5	8.37	25	39.6	.1	11.3	17.8
APR 26-26	18.5	46	7	13.6	2.79	6.11	.5	7.85	24	38.3	.1	9.42	14.7
APR 26-26	18.8	37	7	11.4	2.06	5.04	.5	7.19	27	29.9	.1	7.37	10.0
APR 26-26	19.1	41	8	12.5	2.25	4.83	.8	11.1	34	32.7	M	12.7	10.8
APR 26-26	19.1	36	5	10.7	2.20	3.91	.5	6.35	25	30.7	.1	7.20	12.2
APR 26-26	18.5	34	6	10.1	2.07	3.65	.4	5.65	24	28.2	.1	6.21	11.9
MAY 01-01	19.3	32	4	9.75	1.95	3.68	.5	6.51	28	28.7	.1	7.07	12.1
MAY 02-02	19.4	28	3	8.96	1.25	3.23	.4	4.68	24	24.8	<.02	5.51	5.83
MAY 02-02	19.2	21	3	6.48	1.10	3.06	.4	3.83	25	17.4	M	4.16	5.52
MAY 02-02	19.0	17	3	5.14	.96	2.77	.3	3.08	25	13.8	<.02	2.73	5.37
MAY 02-02	18.8	17	4	5.21	.98	2.76	.3	3.20	25	12.9	M	2.36	5.33
MAY 02-02	18.9	17	3	5.16	1.00	2.46	.3	2.72	23	13.8	M	2.76	6.05
MAY 03-03	17.0	31	3	9.40	1.85	2.85	.4	5.11	24	28.6	M	5.51	10.2
MAY 03-03	17.0	33	3	9.91	2.00	2.90	.4	4.87	22	29.8	M	5.76	11.6
MAY 31-31	21.5	34	8	10.8	1.61	4.08	.3	4.40	20	25.7	<.02	5.78	11.9
MAY 31-31	21.8	36	11	11.5	1.72	3.93	.4	4.90	21	24.9	<.02	6.01	8.58
MAY 31-31	22.0	29	7	9.33	1.32	3.47	.4	4.42	22	21.8	.1	4.98	8.25
MAY 31-31	22.1	28	6	8.74	1.41	3.44	.3	4.18	22	21.3	M	4.99	8.93
MAY 31-31	22.1	28	7	8.77	1.47	3.49	.3	4.23	22	20.9	M	4.87	10.2
MAY 31-31	22.3	23	5	7.17	1.17	2.74	.3	3.69	23	17.7	M	3.77	8.56
JUN 10-10	22.4	48	4	14.5	2.79	3.40	.5	7.53	24	43.4	.1	8.74	16.8
JUN 10-10	22.4	47	5	14.4	2.69	3.20	.4	6.92	23	42.3	.1	8.15	16.5
JUN 10-10	22.4	48	4	14.7	2.73	3.14	.5	7.89	25	43.5	.1	8.40	18.8

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
APR 06...	11.3	102	.14	.04	.030	.55	<.020	<.100	<.10	.50	520	--	24000
APR 06...	11.4	102	.14	.06	.050	.56	<.020	<.100	<.10	1.57	--	--	--
APR 11-11	12.4	103	.14	.10	.077	.70	<.020	<.100	<.10	1.06	--	--	--
APR 11-11	10.9	92	.12	.26	.200	.76	.020	<.100	<.10	1.95	--	--	--
APR 11-11	12.7	97	.13	.57	.444	.74	.050	<.100	<.10	1.90	--	--	--
APR 11-11	9.9	85	.12	.42	.323	.74	.040	<.100	<.10	1.81	--	--	--
APR 11-11	8.6	82	.11	.32	.246	.76	.040	<.100	<.10	1.63	--	--	--
APR 11-11	7.4	80	.11	.17	.135	.65	.030	<.100	<.10	1.52	--	--	--
APR 12-12	8.2	71	.10	.21	.160	.18	<.020	<.100	<.10	.65	--	--	--
APR 12-12	5.1	44	.06	.16	.125	.42	.030	<.100	<.10	.91	--	--	--
APR 13-13	4.7	42	.06	.15	.120	.50	.020	<.100	<.10	1.06	--	--	--
APR 13-13	5.9	48	.07	.11	.083	.71	.020	<.100	<.10	1.21	--	--	--
APR 13-13	5.2	45	.06	.10	.074	.60	<.020	<.100	<.10	1.06	--	--	--
APR 13-13	4.3	38	.05	.10	.075	.55	<.020	<.100	<.10	1.01	--	--	--
APR 13-13	4.7	38	.05	.07	.052	.50	<.020	<.100	<.10	.91	--	--	--
APR 26-26	13.8	105	.14	.04	.028	1.55	.120	<.100	<.10	2.04	--	--	--
APR 26-26	12.1	95	.13	--	<.020	.96	.300	<.100	<.10	3.03	--	--	--
APR 26-26	10.0	76	.10	--	<.020	1.01	.160	<.100	<.10	1.69	--	--	--
APR 26-26	10.7	90	.12	.53	.411	.78	.230	<.100	<.10	2.00	--	--	--
APR 26-26	8.7	75	.10	.07	.053	1.00	.060	<.100	<.10	1.41	--	--	--
APR 26-26	8.0	69	.09	.07	.055	.95	.050	<.100	<.10	1.38	--	--	--
MAY 01-01	7.1	68	.09	--	<.020	.60	.050	<.100	<.10	1.83	--	--	--
MAY 02-02	5.9	53	.07	.07	.052	.38	.270	<.100	<.10	1.49	--	--	--
MAY 02-02	4.8	43	.06	.07	.053	.63	.050	<.100	<.10	1.16	--	--	--
MAY 02-02	3.8	35	.05	.07	.052	.62	<.020	<.100	<.10	1.09	--	--	--
MAY 02-02	3.9	35	.05	.03	.027	.65	<.020	<.100	<.10	1.08	--	--	--
MAY 02-02	3.8	35	.05	.04	.033	.65	<.020	<.100	<.10	1.07	--	--	--
MAY 03-03	6.7	61	.08	.09	.067	.40	<.020	<.100	<.10	.68	3500	6100	170000
MAY 03-03	6.9	64	.09	.04	.029	.42	<.020	<.100	<.10	.61	--	--	--
MAY 31-31	9.4	67	.09	--	<.020	.80	<.020	<.100	<.10	1.76	--	--	--
MAY 31-31	10.6	68	.09	--	<.020	1.31	<.020	<.100	.11	2.52	--	--	--
MAY 31-31	8.5	58	.08	--	<.020	1.13	<.020	<.100	<.10	1.69	--	--	--
MAY 31-31	7.6	57	.08	--	<.020	1.07	<.020	<.100	<.10	1.89	--	--	--
MAY 31-31	7.1	58	.08	--	<.020	1.09	<.020	<.100	<.10	1.74	--	--	--
MAY 31-31	5.7	47	.06	--	<.020	.72	<.020	<.100	<.10	1.29	--	--	--
JUN 10-10	9.1	92	.13	--	<.020	.68	<.020	<.100	<.10	.95	--	--	--
JUN 10-10	8.8	90	.12	--	<.020	.79	<.020	<.100	.11	1.01	--	--	--
JUN 10-10	7.5	93	.13	--	<.020	.72	<.020	<.100	<.10	.90	--	--	--

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
APR			
06...	40.4	190	80
06...	30.9	190	80
APR			
11-11	66.7	180	70
APR			
11-11	52.5	180	60
APR			
11-11	41.7	200	70
APR			
11-11	53.7	170	60
APR			
11-11	39.0	220	60
APR			
11-11	40.0	280	60
APR			
12-12	74.2	230	50
APR			
12-12	53.0	<100	30
APR			
13-13	34.8	230	30
APR			
13-13	62.3	170	40
APR			
13-13	42.8	190	30
APR			
13-13	61.8	200	30
APR			
13-13	30.2	260	30
APR			
26-26	86.4	110	60
APR			
26-26	82.0	160	60
APR			
26-26	94.3	160	50
APR			
26-26	92.1	150	60
APR			
26-26	60.1	100	50
APR			
26-26	48.4	130	50
MAY			
01-01	84.7	<100	40
MAY			
02-02	64.9	<100	30
MAY			
02-02	60.8	130	30
MAY			
02-02	63.0	160	30
MAY			
02-02	82.7	150	30
MAY			
02-02	40.6	180	30
MAY			
03-03	69.3	170	40
MAY			
03-03	37.6	170	50
MAY			
31-31	44.8	<100	50
MAY			
31-31	37.3	<100	50
MAY			
31-31	22.7	<100	40
MAY			
31-31	35.6	<100	40
MAY			
31-31	37.8	<100	40
MAY			
31-31	20.3	<100	40
JUN			
10-10	32.3	<100	70
JUN			
10-10	29.7	<100	70
JUN			
10-10	30.5	<100	70

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Discharge, cfs (00060)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
JUN													
10-10	0357	0359	9	J	81345	3.35	151	65	--	7.1	--	7.0	144
JUN													
10-10	0527	0529	9	J	81345	3.17	123	86	--	7.0	--	7.0	133
JUN													
10-10	0657	0659	9	J	81345	3.05	105	110	--	7.1	--	6.9	118
AUG													
03...	1010	--	9	J	81345	--	--	240	749	6.7	83	7.2	106
03...	1015	--	9	J	81345	--	--	280	749	6.7	83	7.2	105
11...	0925	--	9	9	81345	2.80	65	6.5	741	7.8	91	7.3	160
11...	0930	--	9	9	81345	2.80	65	6.0	741	7.8	91	7.3	157
SEP													
13...	0800	--	9	9	81345	2.93	82	6.7	752	6.7	78	6.8	150

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
JUN													
10-10	22.4	46	5	14.2	2.55	3.24	.5	7.98	26	40.9	.1	7.81	18.4
JUN													
10-10	22.0	44	7	13.4	2.44	2.99	.5	7.02	24	36.6	.1	7.13	18.5
JUN													
10-10	21.8	33	3	10.3	1.76	2.80	.5	5.95	26	30.4	.1	6.13	14.4
AUG													
03...	25.5	32	2	9.90	1.79	2.99	.4	4.94	23	30.1	.5	5.3	12.3
03...	25.5	34	4	10.7	1.82	3.08	.4	5.48	24	30.0	.5	5.2	12.3
11...	21.5	53	5	15.8	3.27	3.48	.5	7.95	23	48.1	.1	8.8	16.7
11...	21.5	53	5	16.0	3.21	3.54	.5	8.02	23	48.3	.1	8.6	16.5
SEP													
13...	22.0	--	--	--	--	--	--	--	--	48.7	.1	8.20	--

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/100 mL (50468)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Total coliform, Defined Tech., MPN/100 mL (50569)
JUN													
10-10	7.1	89	.12	--	<.020	.75	<.020	<.100	<.10	1.12	--	--	--
JUN													
10-10	6.6	83	.11	--	<.020	.70	<.020	<.100	<.10	.97	--	--	--
JUN													
10-10	6.3	69	.09	--	<.020	.69	<.020	<.100	<.10	.95	--	--	--
AUG													
03...	6.7	65	.09	--	--	.51	<.010	--	--	--	--	--	--
03...	6.7	66	.09	--	--	.51	<.010	--	--	--	12000	450k	270000
11...	10.3	98	.13	--	--	.49	<.010	--	--	--	--	--	--
11...	10.3	98	.13	--	--	.49	<.010	--	--	--	340	1100	14000
SEP													
13...	11.4	--	--	.06	.050	.50	<.020	<.100	<.10	--	650	1300	155000

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)
JUN 10-10	38.1	<100	70
JUN 10-10	41.0	<100	60
JUN 10-10	31.8	<100	50
AUG 03...	--	<50	40
03...	--	<50	50
11...	--	<50	70
11...	--	130	70
SEP 13...	--	--	--

Date	Time	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Discharge, cfs (00060)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Aluminum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT 23...	1121	9	80020	2.63	33	4.5	753	10.1	7.3	167	16.5	10	E.02n
23...	1146	9	80020	2.63	33	4.5	753	10.1	7.3	167	16.5	7	E.02n
NOV 06-06	0042	J	80020	7.02	952	690	--	5.7	6.8	60	20.5	29	<.04
JAN 07...	1051	J	80020	2.77	47	18	758	12.6	7.1	117	4.5	6	E.03n
07...	1126	J	80020	2.77	47	16	758	12.6	7.1	119	4.5	5	E.03n
20...	1316	9	80020	2.71	40	5.9	747	13.3	7.2	137	5.5	6	E.03n
20...	1346	9	80020	2.71	40	5.9	747	13.3	7.2	136	5.5	6	E.02n
FEB 02-02	1554	J	80020	3.35	137	59	--	7.8	7.4	154	5.0	10	E.02n
FEB 02-02	2024	J	80020	7.10	1050	240	--	8.8	7.1	79	4.5	10	E.02n
FEB 03-03	0957	J	80020	3.75	214	170	746	7.4	7.1	76	4.2	14	E.02n
FEB 03-03	1014	J	80020	3.73	212	140	746	11.7	6.7	73	5.0	9	<.04
MAR 01...	1346	9	80020	2.77	53	6.7	749	11.1	7.3	149	13.0	9	E.03n
01...	1401	9	80020	2.77	53	4.7	752	11.2	7.7	155	13.0	8	E.02n
24...	1346	9	80020	2.63	36	4.6	760	12.7	7.8	158	15.5	10	E.03n
24...	1401	9	80020	2.63	36	19	760	13.0	7.9	159	15.5	9	E.02n
APR 06...	1226	9	80020	2.60	43	6.4	750	10.5	7.1	160	17.0	7	<.04
06...	1241	9	80020	2.60	43	3.3	750	11.0	7.1	163	16.0	7	E.02n
MAY 03-03	1201	J	80020	2.95	85	17	747	8.6	7.2	97	17.0	9	<.04
MAY 03-03	1206	J	80020	2.95	85	21	747	8.7	7.2	100	17.0	7	<.04
AUG 03...	1011	J	80020	--	--	240	749	6.7	7.2	106	25.5	8	<.04
03...	1016	J	80020	--	--	280	749	6.7	7.2	105	25.5	9	<.04
11...	0926	9	80020	2.80	65	6.5	741	7.8	7.3	160	21.5	5	.04
11...	0931	9	80020	2.80	65	6.0	741	7.8	7.3	157	21.5	4	E.02n
SEP 13...	0801	9	80020	2.93	82	6.7	752	6.7	6.8	150	22.0	5	E.02n

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
23...	<.8	2.0	E.06n	149	.92	<.2	6.2
23...	<.8	2.5	.09	138	.91	<.2	7.7
NOV							
06-06	<.8	2.4	.29	1.7	.48	<.2	4.7
JAN							
07...	<.8	2.5	.16	58.3	.62	<.2	10.8
07...	<.8	2.4	.15	56.3	.63	<.2	11.1
20...	<.8	2.2	.16	81.7	.62	<.2	12.5
20...	<.8	2.1	.15	81.4	.59	<.2	12.2
FEB							
02-02	<.8	4.0	.21	63.6	.55	<.2	9.9
FEB							
02-02	<.8	3.1	.19	40.6	.45	<.2	11.1
FEB							
03-03	<.8	2.2	.20	20.6	.40	<.2	9.0
FEB							
03-03	<.8	2.1	.17	18.2	.41	<.2	8.7
MAR							
01...	<.8	1.6	.09	93.5	.65	<.2	11.5
01...	<.8	1.7	.09	91.4	.64	<.2	11.4
24...	<.8	2.1	.10	104	.68	<.2	6.4
24...	<.8	2.0	.10	103	.60	<.2	5.3
APR							
06...	<.8	2.0	.11	117	.62	<.2	7.3
06...	<.8	2.0	.11	108	.53	<.2	5.9
MAY							
03-03	<.8	2.6	.35	46.9	.63	<.2	5.1
MAY							
03-03	<.8	2.9	.32	49.3	.71	<.2	5.2
AUG							
03...	<.8	2.0	E.07n	28.8	.52	<.2	1.9
03...	<.8	2.2	E.08n	26.6	.52	<.2	1.5
11...	<.8	1.7	.10	182	.61	<.2	6.2
11...	<.8	1.6	E.08n	186	.60	<.2	4.8
SEP							
13...	<.8	1.8	.10	163	.48	<.2	6.0

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Discharge, cfs (00060)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)
OCT													
23...	1121	--	80020	2.63	33	4.5	753	10.1	103	7.3	167	16.5	<.5mc
NOV													
05-06	1953	0100	80020	5.17	500	640	--	6.2	--	7.1	127	21.0	E.1
NOV													
19-19	0941	0943	80020	11.58	2980	460	--	7.0	--	6.5	40	18.0	E.1
JAN													
07...	1051	--	80020	2.77	47	18	758	12.6	97	7.1	117	4.5	<.5
20...	1316	--	80020	2.71	40	5.9	747	13.3	108	7.2	137	5.5	E.1
FEB													
03-03	1014	1055	80020	3.73	212	140	746	11.7	94	6.7	73	5.0	<.5
MAR													
01...	1346	--	80020	2.77	53	6.7	749	11.1	107	7.3	149	13.0	<.5
24...	1346	--	80020	2.63	36	4.6	760	12.7	128	7.8	158	15.5	<.5
APR													
06...	1226	--	80020	2.60	43	6.4	750	10.5	110	7.1	160	17.0	<.5
MAY													
03-03	1201	1216	80020	2.95	85	17	747	8.6	91	7.2	97	17.0	E.1
AUG													
03...	1016	--	80020	--	--	280	749	6.7	83	7.2	105	25.5	<.5
11...	0931	--	80020	2.80	65	6.0	741	7.8	91	7.3	157	21.5	<.5
SEP													
13...	0801	--	80020	2.93	82	6.7	752	6.7	78	6.8	150	22.0	<.5

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	1-Methyl-naphthalene, water, fltrd, ug/L (62054)	2,6-Dimethyl-naphthalene, water, fltrd, ug/L (62055)	2-Methyl-naphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)
OCT													
23...	<.5	<.5	<.5	<2	<1	<5mc	<1	<1	E1mc	<1	<2	<.5	<.5
NOV													
05-06	M	M	E.1	E1	M	<5	<1	<1	E4	<1	<2	E.3	E.2
NOV													
19-19	<.5	<.5	<.5	M	<1	<5	<1	<1	E2	<1	<2	E.1	<.5
JAN													
07...	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	M	E.1	<.5
20...	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	E.1	<.5
FEB													
03-03	E.1	E.1	E.1	<2	<1	<5	<1	<1	E1	<1	<2	E.2	E.1
MAR													
01...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
24...	<.5	<.5	<.5	<2	<1	<5	<1	<1	M	<1	<2	<.5	<.5
APR													
06...	<.5	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
MAY													
03-03	<.5	<.5	<.5	E1	<1	<5	<1	<1	E1	<1	<2	E.1	E.2
AUG													
03...	<.5	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5
11...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5
SEP													
13...	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	Mt	<.5	<.5

Date	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT													
23...	<.5	<.5	<.5	<.5	<2	<2	<1	.5	E.2	<.5	Mmc	<.5	<.5
NOV													
05-06	E.1	<.5	<.5	<.5	E1	E1	M	<.5	2.7	E.1	<1	E.2	<.5
NOV													
19-19	<.5	M	<.5	<.5	E1	M	<1	<.5	E.2	<.5	<1	<.5	<.5
JAN													
07...	M	<.5	<.5	E.1	<2	<2	M	<.5	E.2	<.5	<1	M	<.5
20...	M	<.5	<.5	E.1	<2	<2	M	<.5	E.4	<.5	<1	<.5	<.5
FEB													
03-03	M	M	<.5	E.1	<2	<2	<1	<.5	E.4	M	<1	M	<.5
MAR													
01...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.2	<.5	<1	<.5	<.5
24...	M	M	<.5	M	<2	<2	<1	.6	E.4	M	<1	<.5	<.5
APR													
06...	M	<.5	<.5	<.5	<2	<2	M	<.5	E.3	M	<1	<.5	<.5
MAY													
03-03	M	<.5	<.5	E.1	<2	<2	<1	.6	E.4	M	<1	M	<.5
AUG													
03...	<.5	<.5	<.5	Mt	<2	<2	Mt	.5	E.4t	Mt	Mt	Mt	<.5
11...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.2t	Mt	<1	<.5	<.5
SEP													
13...	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.2t	<.5	<1	<.5	<.5

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)
OCT													
23...	<2	<1.00	E.1	<.5	E2mc	Mmc	<.5mc	Mmc	<.5	<.5	<.5	<.5	<.5
NOV													
05-06	2	<1.00	E.4	<.5	E7	M	E.6	<1	E.1	E.1	E.1	<.5	E.1
NOV													
19-19	E1	<1.00	E.1	<.5	E5	M	<.5	M	M	<.5	<.5	<.5	<.5
JAN													
07...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	<.5
20...	M	<1.00	E.1	<.5	E2	<1	<.5	<1	M	<.5	<.5	<.5	<.5
FEB													
03-03	<2	<1.00	E.1	<.5	<5	<1	M	<1	E.1	<.5	<.5	<.5	M
MAR													
01...	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
24...	M	<1.00	M	<.5	<5	<1	<.5	<1	<.5	M	<.5	<.5	M
APR													
06...	E1	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	M	<.5
MAY													
03-03	E2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	E.1	<.5	<.5	M
AUG													
03...	E1t	E.3100t	E.4t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5
11...	Mt	<1.00	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP													
13...	Mt	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5

Date	Isopropyl-benzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)
OCT													
23...	<.5mc	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2mc	<.5	E.4	<.5	<.5
NOV													
05-06	<.5	<.5	E.3	<.5	E.1	<.5	E.1	1	M	E.1	.8	<.5	E.1
NOV													
19-19	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<1	<2	M	<.5	<.5	M
JAN													
07...	<.5	<.5	E.1	M	<.5	<.5	<.5	M	<2	<.5	E.4	<.5	M
20...	<.5	<.5	<.5	<.5	<.5	<.5	M	M	<2	<.5	E.3	<.5	M
FEB													
03-03	<.5	<.5	E.1	<.5	M	<.5	E.1	M	<2	E.1	.5	<.5	M
MAR													
01...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5
24...	<.5	<.5	M	<.5	<.5	<.5	M	M	<2	M	E.3	<.5	<.5
APR													
06...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.2	<.5	<.5
MAY													
03-03	<.5	<.5	E.2	E.1	M	<.5	<.5	<1	E1	<.5	.5	<.5	M
AUG													
03...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	Mt	.6	<.5	Mt
11...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.2t	<.5	<.5
SEP													
13...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	1.4	<.5	<.5

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT										
23...	<.5mc	<.5mc	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00mc
NOV										
05-06	E.2	M	E.2	M	<.5	E.1	E3.4	E.2	E.2	<1.00
NOV										
19-19	<.5	<.5	E.1	<1	<.5	E.1	E.5	<.5	E.1	<1.00
JAN										
07...	<.5	<.5	E.2	<1	<.5	E.1	.8	E.1	E.1	<1.00
20...	E.1	<.5	E.1	<1	<.5	E.1	.5	E.1	E.1	<1.00
FEB										
03-03	M	<.5	E.3	<1	<.5	E.1	.7	E.1	E.1	<1.00
MAR										
01...	<.5	<.5	E.1	<1	<.5	M	<.5	<.5	E.1	<1.00
24...	M	<.5	M	<1	<.5	M	E.4	M	E.1	<1.00
APR										
06...	M	<.5	E.1	<1	<.5	E.1	E.2	M	E.1	<1.00
MAY										
03-03	M	<.5	E.1	<1	<.5	E.1	.7	E.1	E.1	<1.00
AUG										
03...	Mt	<.5	E.1t	<1	<.5	E.1n	1.4	E.1t	E.1t	--u
11...	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u
SEP										
13...	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
23...	1200	--	1	9	81350	2.63	33	4.5	753	10.1	105	7.3	167
NOV													
05-05	1641	1943	1	J	81350	4.61	379	640	--	6.2	--	7.2	164
NOV													
05-05	2041	2143	1	J	81350	5.55	610	620	--	6.1	--	7.0	110
NOV													
05-05	2241	2343	1	J	81350	6.83	900	710	--	6.0	--	6.9	76
NOV													
06-06	0041	0043	1	J	81350	7.02	952	690	--	5.7	--	6.8	60
NOV													
06-06	0141	0243	1	J	81350	6.04	697	620	--	6.0	--	6.8	54
NOV													
19-19	0942	0944	1	J	81350	11.58	2980	460	--	7.0	--	6.5	40
JAN													
07...	1127	--	1	J	81350	2.77	47	26	758	12.6	98	7.1	119
20...	1347	--	1	9	81350	2.71	40	5.9	747	13.3	108	7.2	136
FEB													
02-02	2025	2027	1	J	81350	7.10	1050	240	--	8.8	--	7.1	79
FEB													
03-03	0958	1005	1	J	81350	3.75	214	170	746	7.4	58	7.1	76
FEB													
03-03	1015	1056	1	J	81350	3.73	212	140	746	11.7	94	6.7	73
MAR													
01...	1402	--	1	9	81350	2.77	53	4.7	752	11.2	108	7.7	155
24...	1402	--	1	9	81350	2.63	36	19	760	13.0	131	7.9	159
APR													
06...	1242	--	1	9	81350	2.60	43	3.3	750	11.0	113	7.1	163

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
23...	16.5	5.0	2.7	15	600	1	4.4	60	58	140	8.8	62	19
NOV													
05-05	20.5	8.0	4.3	6.3	570	2	.5	47	17	89	3.7	100	30
NOV													
05-05	20.4	9.2	1.7	6.3	600	2	.2	62	24	62	4.6	73	33
NOV													
05-05	20.3	9.3	1.5	4.3	600	2	.2	55	22	51	4.4	60	30
NOV													
06-06	20.5	9.7	2.6	5.4	550	2	<.1	57	22	58	4.5	60	31
NOV													
06-06	20.7	11	1.9	5.4	560	2	.2	60	22	59	4.7	63	34
NOV													
19-19	18.0	9.4	.6	4.4	560	2	.4	49	16	42	4.0	49	26
JAN													
07...	4.5	12	3.5	13	510	3	1.0	150	37	99	7.5	120	38
20...	5.5	7.9	4.1	11	600	2	1.0	210	18	120	7.7	120	28
FEB													
02-02	4.5	7.7	1.6	3.7	560	2	.1	56	15	52	3.3	71	25
FEB													
03-03	4.2	13	2.2	9.0	460	2	.5	79	19	73	6.4	88	43
FEB													
03-03	5.0	13	2.2	8.9	460	2	.4	79	21	73	6.2	91	43
MAR													
01...	13.0	5.6	1.6	5.4	500	2	.7	67	16	210	5.2	64	21
24...	15.5	3.8	1.4	4.5	400	1	.9	120	17	86	5.1	47	18
APR													
06...	16.0	5.1	2.2	7.2	410	1	1.0	160	13	73	6.8	79	21

Date	Manganese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
23...	26000	.13	7	50	1	4	240	<50	.180	81	1400	<50	.6
NOV													
05-05	2000	.09	7	24	M	2	130	<50	.360	90	380	<50	520
NOV													
05-05	2100	.10	3	35	M	<.5	110	<50	.480	120	290	<50	489
NOV													
05-05	2100	.08	3	29	M	<.5	91	<50	.480	110	290	<50	227
NOV													
06-06	1900	.06	8	32	M	<.5	100	<50	.480	120	310	<50	367
NOV													
06-06	1700	.10	5	90	M	<.5	98	<50	.520	130	300	<50	344
NOV													
19-19	850	.02	2	26	M	<1	80	<100	.470	110	180	<100	626
JAN													
07...	4000	.22	12	77	2	1	55	<100	.490	150	640	<100	5
20...	1700	--o	16	100	1	2	130	<100	.400	110	570	<100	2
FEB													
02-02	880	.06	2	21	M	<1	84	<100	.350	80	250	<100	993
FEB													
03-03	1100	.16	4	37	1	<1	44	<100	.510	150	320	<100	79
FEB													
03-03	1100	.17	4	39	1	<.5	43	<50	.500	170	300	<50	75
MAR													
01...	1600	.12	4	36	M	<1	92	<100	.300	73	350	<100	4
24...	3800	--o	15	78	1	2	210	<100	.190	57	490	<100	4
APR													
06...	2300	1.7	18	76	1	1	190	<100	.260	69	420	<100	2

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
MAY													
03-03	1207	1222	1	J	81350	2.95	85	21	747	8.7	92	7.2	100
MAY													
31-31	0710	0712	1	J	81350	2.98	95	370	--	7.5	--	7.0	144
MAY													
31-31	0835	0837	1	J	81350	5.72	653	330	--	6.9	--	6.8	129
MAY													
31-31	1005	1007	1	J	81350	4.95	469	180	--	6.9	--	6.8	108
MAY													
31-31	1135	1137	1	J	81350	4.89	456	280	--	6.5	--	6.6	113
MAY													
31-31	1305	1307	1	J	81350	5.26	541	280	--	6.2	--	6.6	124
MAY													
31-31	1605	1607	1	J	81350	4.46	367	240	--	6.2	--	6.6	104
JUN													
10-10	0144	0146	1	J	81350	3.11	114	50	--	6.8	--	7.0	161
JUN													
10-10	0229	0231	1	J	81350	3.47	169	81	--	7.1	--	7.1	150
JUN													
10-10	0314	0316	1	J	81350	3.43	164	72	--	7.2	--	7.1	151
JUN													
10-10	0359	0401	1	J	81350	3.35	151	65	--	7.1	--	7.0	144
JUN													
10-10	0529	0531	1	J	81350	3.17	123	86	--	7.0	--	7.0	133
JUN													
10-10	0659	0701	1	J	81350	3.05	105	110	--	7.1	--	6.9	118
AUG													
03...	1012	--	1	J	81350	--	--	240	749	6.7	83	7.2	106
11...	0927	--	1	9	81350	2.80	65	6.5	741	7.8	91	7.3	160
SEP													
13...	0802	--	1	9	81350	2.93	82	6.7	752	6.7	78	6.8	150

Date	Temper-ature, water, deg C (00010)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
MAY													
03-03	17.0	11	1.4	10	460	2	.4	97	21	80	5.8	85	40
MAY													
31-31	21.5	8.1	2.4	5.1	600	2	.3	39	14	69	3.8	88	19
MAY													
31-31	21.8	8.6	4.6	6.0	620	2	.7	56	17	110	4.3	120	21
MAY													
31-31	22.0	9.2	4.2	6.5	580	2	.5	58	22	85	5.3	90	22
MAY													
31-31	22.1	8.7	4.4	6.3	580	2	.7	55	18	97	4.4	95	26
MAY													
31-31	22.1	9.0	3.8	6.0	580	2	.6	55	21	73	4.9	80	20
MAY													
31-31	22.3	9.2	3.4	5.6	480	2	.7	46	18	62	4.6	67	23
AUG													
03...	25.5	13	.8	5.3	670	4	.4	93	27	68	5.8	78	62
11...	21.5	8.2	1.4	11	510	2	.8	87	15	110	6.4	72	28
SEP													
13...	22.0	7.8	1.7	12	480	2	.8	91	16	79	6.6	88	29

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Manganese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
MAY													
03-03	1700	.19	7	54	1	<.5	84	<50	.540	140	350	<50	12
MAY													
31-31	1500	.16	3	17	1	<1	78	<100	.320	89	270	<100	1070
MAY													
31-31	2000	.23	6	24	1	1	99	<100	.400	100	440	<100	481
MAY													
31-31	3100	.14	5	29	1	<2	120	<150	.430	110	420	<150	376
MAY													
31-31	3000	--o	7	24	1	M	120	<50	.370	96	430	<50	282
MAY													
31-31	3200	.12	5	27	1	<2	110	<150	.410	110	390	<150	384
MAY													
31-31	2600	--o	6	23	1	<1	100	<100	.380	110	360	<100	264
AUG													
03...	1300	.29	2	40	1	M	65	<50	.680	160	250	<50	130
11...	1500	.18	8	45	1	2	150	<50	.400	100	360	<50	4
SEP													
13...	2100	.10	9	43	1	2	210	<100	.410	100	390	<100	3

Remark codes used in this table:
   < -- Less than
   > -- Greater than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this table:
   @ -- Holding time exceeded
   c -- See laboratory comment
   k -- Counts outside acceptable range
   m -- Value is highly variable by this method
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

APALACHICOLA RIVER BASIN
2004 Water Year

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°49'20", long 84°25'45", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, at bridge on Bohler Road, 1.4 miles upstream of Nancy Creek, 2.0 miles upstream of the Chattahoochee River and 0.4 miles west of Interstate 75.

DRAINAGE AREA.—89.6 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—September 3, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT													
14...	0915	9	9	81345	3.54	33	9.1	746	8.4	92	7.4	159	20.0
14...	0935	9	9	81345	3.54	33	9.2	746	8.3	92	7.4	159	20.0
JAN													
07...	0925	9	J	81345	4.23	59	25	756	12.5	96	7.2	113	4.0
07...	1005	9	J	81345	4.23	59	27	756	12.4	95	7.1	133	4.0
20...	1445	9	9	81345	4.37	44	6.0	746	13.0	107	7.2	137	6.0
20...	1500	9	9	81345	4.37	44	6.3	746	13.0	107	7.2	137	6.0
FEB													
05...	0855	9	J	81345	4.47	68	12	748	11.0	90	7.1	131	6.0
05...	0925	9	J	81345	4.47	68	26	748	11.1	91	7.1	132	6.0
MAR													
01...	1515	9	9	81345	--	61	6.8	749	10.5	104	7.3	150	14.0
01...	1545	9	9	81345	--	61	6.0	749	10.6	105	7.3	150	14.0
24...	1125	9	9	81345	3.04	17	5.9	759	12.1	115	7.7	160	13.0
24...	1145	9	9	81345	4.05	59	5.6	759	12.3	117	7.7	160	13.0
APR													
08...	0845	9	9	81345	4.04	44	5.2	741	8.9	93	7.4	164	16.0
08...	0900	9	9	81345	4.04	44	5.0	741	8.9	93	7.4	165	16.0
MAY													
04...	0815	9	9	81345	4.33	53	12	748	8.9	88	7.5	120	14.0
04...	0830	9	9	81345	4.33	53	12	748	8.9	88	7.5	120	14.0
18...	0830	9	J	81345	4.19	55	53	754	7.1	81	7.1	117	21.5
18...	0835	9	J	81345	4.19	55	57	754	7.2	82	7.1	117	21.5
JUN													
09...	0845	9	9	81345	3.82	31	5.6	752	7.1	83	7.3	158	22.5
09...	0850	9	9	81345	3.82	31	6.1	752	7.0	82	7.3	158	22.5
JUL													
14...	0840	9	9	81345	3.69	21	5.5	747	7.1	88	7.5	191	25.0
14...	0845	9	9	81345	3.69	21	5.3	747	7.0	87	7.4	191	25.0
AUG													
03...	0810	9	J	81345	4.45	102	76	748	6.5	80	7.1	101	25.0
03...	0815	9	J	81345	4.45	102	75	748	6.5	80	7.1	101	24.5

Date	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
OCT													
14...	52	3	15.4	3.33	3.60	.5	8.43	24	49.2	.1	8.79	18.2	10.2
14...	51	2	14.9	3.29	3.47	.5	7.87	24	49.3	.1	9.24	17.4	10.8
JAN													
07...	43	3	12.4	2.93	2.58	.4	6.44	23	40.4	M	9.36	15.3	8.2
07...	53	12	14.2	4.31	2.55	.5	8.00	24	41.6	M	12.1	18.1	11.8
20...	38	2	10.2	3.03	2.23	.4	5.39	22	35.6	.1	8.08	15.0	6.9
20...	54	12	14.1	4.44	2.54	.5	7.79	23	41.7	<.02	12.1	18.9	11.9
FEB													
05...	42	7	12.1	2.81	2.53	.4	6.63	24	34.5	<.02	9.78	14.5	10.8
05...	42	8	12.3	2.84	2.55	.5	6.97	25	34.7	M	8.92	14.3	10.8
MAR													
01...	56	15	16.6	3.62	2.92	.5	8.29	23	41.1	<.02	11.5	9.09	11.4
01...	55	14	16.7	3.26	2.89	.5	8.44	24	41.1	<.02	11.7	17.0	11.7
24...	53	5	15.7	3.38	2.82	.6	9.24	26	47.6	.1	12.1	13.0	10.8
24...	55	8	16.2	3.61	2.82	.6	9.62	26	47.7	.1	12.2	13.5	10.9
APR													
08...	55	6	15.8	3.74	2.95	.5	9.06	25	49.4	.1	11.0	16.9	11.1
08...	54	5	15.6	3.62	3.04	.5	9.17	26	49.1	.1	11.0	16.4	11.2
MAY													
04...	41	5	12.2	2.56	3.17	.5	6.80	25	36.2	.1	7.23	13.8	8.4
04...	39	2	11.6	2.33	3.27	.5	6.95	26	36.5	.1	7.26	13.2	8.4
18...	37	4	11.4	2.08	3.19	.4	5.33	22	33.3	.1	6.64	13.7	7.4
18...	36	2	10.9	2.03	3.16	.4	5.70	24	33.3	.1	7.13	13.0	8.1
JUN													
09...	50	3	15.2	2.90	3.57	.5	8.07	24	47.2	.1	9.74	16.9	9.8
09...	52	4	15.7	3.00	3.52	.5	8.21	24	47.2	.1	9.73	17.4	9.7
JUL													
14...	52	--	15.3	3.22	3.25	.5	8.67	25	53.5	.1	9.7	11.7	10.0
14...	53	--	15.8	3.36	3.42	.5	8.90	25	53.5	.1	9.7	12.4	10.1
AUG													
03...	30	2	9.10	1.68	2.98	.4	4.90	24	27.3	.2	5.2	11.5	6.6
03...	30	3	9.20	1.70	2.86	.4	4.55	23	27.3	.2	5.2	11.5	6.6

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/100 mL (50468)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Total coliform, Defined Tech., MPN/100 mL (50569)	Barium, water, fltrd, ug/L (01005)
OCT													
14...	100	.14	.03	.022	.59	<.020	<.100	<.10	.77	900	E490k	11100	61.9
14...	100	.14	.03	.026	.62	<.020	<.100	<.10	.83	840	610	9700	56.4
JAN													
07...	85	.12	--	<.020	.77	<.020	<.100	<.10	.70	1100	350	22700	34.3
07...	104	.14	--	<.020	1.77	<.020	<.100	<.10	.61	--	--	--	54.3
20...	77	.10	.09	.067	.92	<.020	<.100	<.10	.88	1100	180	11000	41.9
20...	105	.14	.08	.063	1.77	<.020	<.100	<.10	.98	--	--	--	40.3
FEB													
05...	84	.11	.10	.076	.95	<.020	<.100	<.10	1.20	--	--	--	35.5
05...	84	.11	.10	.075	.97	<.020	<.100	<.10	1.24	870	630	13000	53.7
MAR													
01...	92	.13	.06	.050	.91	<.020	<.100	<.10	.97	--	--	--	5.7
01...	101	.14	.06	.050	.92	<.020	<.100	<.10	1.01	820	200	8500	50.3
24...	99	.13	--	<.020	.61	<.020	<.100	<.10	.72	--	--	--	34.6
24...	101	.14	--	<.020	.62	<.020	<.100	<.10	.69	240	370	5800	62.2
APR													
08...	103	.14	.04	.030	.58	<.020	<.100	<.10	.58	--	--	--	39.5
08...	102	.14	.04	.030	.58	.020	<.100	<.10	.48	350	270	4800	50.9
MAY													
04...	78	.11	--	<.020	.47	<.020	<.100	<.10	.37	1300	1800	87000	81.0
04...	77	.11	--	<.020	.46	.020	<.100	<.10	.62	--	--	--	70.9
18...	72	.10	.09	.069	.53	.030	<.100	<.10	.83	12000	15000	>240000k	40.4
18...	73	.10	.08	.064	.56	.030	<.100	<.10	.78	--	--	--	37.2
JUN													
09...	98	.13	--	<.020	.73	<.020	<.100	<.10	.98	670	1700k	34000	31.5
09...	99	.13	--	<.020	.71	<.020	<.100	<.10	1.08	--	--	--	27.3
JUL													
14...	96	.13	--	<.010	.34	<.010	<.050	<.050	--	--	--	--	--
14...	98	.13	--	<.010	.34	<.010	<.050	<.050	1.13	2600	4600	174000	--
AUG													
03...	61	.08	--	--	.53	<.010	--	--	--	--	--	--	--
03...	60	.08	--	--	.53	<.010	--	--	--	8000	400	410000	--

Date	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)
OCT		
14...	<100	70
14...	<100	70
JAN		
07...	180	60
07...	<100	70
20...	220	60
20...	<100	70
FEB		
05...	100	60
05...	160	60
MAR		
01...	130	80
01...	170	80
24...	270	80
24...	280	80
APR		
08...	<100	80
08...	<100	80
MAY		
04...	230	60
04...	180	50
18...	<100	50
18...	<100	50
JUN		
09...	<100	80
09...	<100	80
JUL		
14...	110	70
14...	140	70
AUG		
03...	<50	40
03...	<50	40

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
14...	0916	9	80020	3.54	33	9.1	746	8.4	7.4	159	20.0	4	E.02n
14...	0936	9	80020	3.54	33	9.2	746	8.3	7.4	159	20.0	4	E.03n
JAN													
07...	0926	J	80020	4.23	59	25	756	12.5	7.2	113	4.0	6	E.03n
07...	1006	J	80020	4.23	59	27	756	12.4	7.1	133	4.0	5	E.03n
20...	1446	9	80020	4.37	44	6.0	746	13.0	7.2	137	6.0	6	E.03n
20...	1501	9	80020	4.37	44	6.3	746	13.0	7.2	137	6.0	6	E.02n
FEB													
05...	0856	J	80020	4.47	68	12	748	11.0	7.1	131	6.0	6	<.04
05...	0926	J	80020	4.47	68	26	748	11.1	7.1	132	6.0	8	<.04
MAR													
01...	1516	9	80020	--	61	6.8	749	10.5	7.3	150	14.0	7	E.02n
01...	1546	9	80020	--	61	6.0	749	10.6	7.3	150	14.0	7	E.02n
24...	1126	9	80020	3.04	17	5.9	759	12.1	7.7	160	13.0	7	E.03n
24...	1146	9	80020	4.05	59	5.6	759	12.3	7.7	160	13.0	6	E.02n
APR													
08...	0846	9	80020	4.04	44	5.2	741	8.9	7.4	164	16.0	5	E.02n
08...	0901	9	80020	4.04	44	5.0	741	8.9	7.4	165	16.0	4	E.02n
MAY													
04...	0816	9	80020	4.33	53	12	748	8.9	7.5	120	14.0	7	<.04
04...	0831	9	80020	4.33	53	12	748	8.9	7.5	120	14.0	5	E.03n
18...	0831	J	80020	4.19	55	53	754	7.1	7.1	117	21.5	6	<.04
18...	0836	J	80020	4.19	55	57	754	7.2	7.1	117	21.5	6	<.04
JUN													
09...	0846	9	80020	3.82	31	5.6	752	7.1	7.3	158	22.5	6	E.02n
09...	0851	9	80020	3.82	31	6.1	752	7.0	7.3	158	22.5	5	<.04
JUL													
14...	0841	9	80020	3.69	21	5.5	747	7.1	7.5	191	25.0	6	E.02n
14...	0846	9	80020	3.69	21	5.3	747	7.0	7.4	191	25.0	7	E.03n
AUG													
03...	0811	J	80020	4.45	102	76	748	6.5	7.1	101	25.0	6	<.04
03...	0816	J	80020	4.45	102	75	748	6.5	7.1	101	24.5	6	<.04

Date	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
14...	<.8	2.1	E.05n	106	.62	<.2	20.4
14...	<.8	1.9	E.06n	99.1	.56	<.2	5.1
JAN							
07...	<.8	2.5	.22	37.4	.61	<.2	9.8
07...	<.8	2.5	.18	35.8	.63	<.2	9.5
20...	<.8	2.1	.19	61.2	.58	<.2	10.7
20...	<.8	2.1	.19	58.8	.56	<.2	10.9
FEB							
05...	<.8	1.7	.16	37.5	.52	<.2	9.1
05...	<.8	1.8	.18	40.0	.51	<.2	9.3
MAR							
01...	<.8	1.7	.11	62.6	.62	<.2	10.6
01...	<.8	1.6	.11	63.4	.66	<.2	10.2
24...	<.8	2.1	.15	85.7	.62	<.2	8.6
24...	<.8	1.9	.12	85.9	.62	<.2	7.1
APR							
08...	<.8	1.9	.09	79.5	.55	<.2	8.0
08...	<.8	2.1	E.06n	82.3	.57	<.2	5.4
MAY							
04...	<.8	2.3	.34	47.4	.62	<.2	5.1
04...	<.8	2.3	.30	47.9	.63	<.2	5.6
18...	<.8	2.8	.28	31.5	.83	<.2	4.1
18...	1.2	2.8	.26	30.5	.77	<.2	4.2
JUN							
09...	<.8	2.4	.14	119	.52	<.2	4.6
09...	<.8	2.5	.13	113	.54	<.2	4.2
JUL							
14...	<.8	1.8	.11	178	.65	<.2	5.3
14...	<.8	1.9	.11	168	.80	<.2	5.0
AUG							
03...	<.8	2.4	.11	14.8	.52	<.2	3.0
03...	<.8	2.2	.12	13.6	.53	<.2	3.0

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)
OCT													
14...	0936	80020	3.54	33	9.2	746	8.3	92	7.4	159	20.0	<.5	<.5
JAN													
07...	0926	80020	4.23	59	25	756	12.5	96	7.2	113	4.0	<.5	<.5
20...	1446	80020	4.37	44	6.0	746	13.0	107	7.2	137	6.0	E.1	<.5
FEB													
05...	0926	80020	4.47	68	26	748	11.1	91	7.1	132	6.0	<.5	<.5
MAR													
01...	1546	80020	--	61	6.0	749	10.6	105	7.3	150	14.0	<.5	<.5
24...	1146	80020	4.05	59	5.6	759	12.3	117	7.7	160	13.0	<.5	<.5
APR													
08...	0901	80020	4.04	44	5.0	741	8.9	93	7.4	165	16.0	<.5	<.5
MAY													
04...	0816	80020	4.33	53	12	748	8.9	88	7.5	120	14.0	<.5	<.5
18...	0831	80020	4.19	55	53	754	7.1	81	7.1	117	21.5	<.5	<.5
JUN													
09...	0846	80020	3.82	31	5.6	752	7.1	83	7.3	158	22.5	<.5	<.5
JUL													
14...	0846	80020	3.69	21	5.3	747	7.0	87	7.4	191	25.0	<.5	<.5
AUG													
03...	0816	80020	4.45	102	75	748	6.5	80	7.1	101	24.5	<.5	<.5

Date	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
14...	<.5	<.5	M	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	<.5
JAN													
07...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	E.1	<.5	M
20...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5	E.1	M
FEB													
05...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	M
MAR													
01...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	M
24...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	M
APR													
08...	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	M
MAY													
04...	<.5	<.5	E1	<1	<5	<1	<1	E1	<1	<2	E.1	<.5	M
18...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.2	<.5	<.5
JUN													
09...	<.5	<.5	M	<1	<5	<1	<1	M	M	<2	E.1	<.5	E.1
JUL													
14...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	Mt	<.5	<.5	E.1t
AUG													
03...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5	Mt

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)
OCT													
14...	<.5	<.5	E.1	<2	<2	<1	E.5	E.1	<.5	<1	<.5	<.5	E1
JAN													
07...	<.5	<.5	E.1	<2	<2	<1	<.5	E.2	<.5	<1	M	<.5	M
20...	<.5	<.5	E.1	<2	<2	<1	<.5	E.4	M	<1	<.5	<.5	E1
FEB													
05...	<.5	<.5	E.1	<2	<2	<1	<.5	E.3	<.5	<1	<.5	<.5	<2
MAR													
01...	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5	<2
24...	M	<.5	M	<2	<2	<1	.6	E.4	M	<1	<.5	<.5	<2
APR													
08...	<.5	<.5	<.5	E1	E2	M	<.5	E.2	M	<1	<.5	<.5	E2
MAY													
04...	<.5	<.5	E.1	E2	E2	<1	.6	E.2	M	<1	<.5	<.5	E2
18...	<.5	<.5	<.5	<2	<2	<1	.9	E.3	E.1	<1	E.1	<.5	<2
JUN													
09...	M	<.5	E.1	M	M	<1	.6	.7	M	<1	M	<.5	M
JUL													
14...	<.5	<.5	<.5	<2	<2	<1	E.4t	E.1t	Mt	<1	<.5	<.5	<2
AUG													
03...	<.5	<.5	<.5	<2	<2	Mt	.6	E.4t	Mt	<1	Mt	<.5	<2

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
14...	<1.00	E.2	<.5	<5	<1	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5
JAN													
07...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	<.5	<.5
20...	<1.00	E.1	<.5	E2	<1	<.5	<1	M	<.5	<.5	<.5	M	<.5
FEB													
05...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5
MAR													
01...	<1.00	<.5	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
24...	<1.00	M	<.5	<5	<1	<.5	<1	<.5	M	<.5	<.5	M	<.5
APR													
08...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	E.1	<.5	<.5	<.5	<.5
MAY													
04...	<1.00	E.1	<.5	E4	M	<.5	M	M	<.5	<.5	<.5	M	<.5
18...	<1.00	E.2	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5
JUN													
09...	E.2100	E.3	E.1	E2	<1	<.5	<1	M	M	M	<.5	M	<.5
JUL													
14...	<1.00	E.2t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5	<.5
AUG													
03...	<1.00	E.4t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5	<.5

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
14...	<.5	<.5	<.5	M	<.5	<.5	M	<2	<.5	E.3	<.5	<.5	M
JAN													
07...	<.5	E.1	M	<.5	<.5	<.5	M	<2	<.5	E.3	<.5	M	<.5
20...	<.5	<.5	<.5	M	<.5	M	M	<2	<.5	E.2	<.5	M	E.1
FEB													
05...	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	<.5	<.5	<.5	M	<.5
MAR													
01...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.4	<.5	<.5	E.2
24...	<.5	M	<.5	<.5	<.5	M	M	<2	M	E.2	<.5	<.5	M
APR													
08...	<.5	<.5	<.5	<.5	<.5	M	<1	<2	<.5	<.5	<.5	<.5	<.5
MAY													
04...	<.5	M	<.5	M	<.5	<.5	M	<2	<.5	E.4	<.5	M	M
18...	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	M	M
JUN													
09...	<.5	E.1	E.1	<.5	<.5	<.5	M	<2	M	E.2	E.1	M	<.5
JUL													
14...	<.5	E.1t	<.5	E.1t	<.5	<.5	<1	<2	Mt	E.1t	<.5	Mt	Mt
AUG													
03...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	Mt	E.4t	<.5	Mt	<.5

Date	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)
OCT									
14...	<.5	E.1	<1	<.5	<.5	<.5	<.5	E.1	<1.00
JAN									
07...	<.5	E.2	<1	<.5	E.1	.8	E.1	E.1	<1.00
20...	<.5	E.1	<1	<.5	E.1	.6	E.1	E.1	<1.00
FEB									
05...	<.5	E.1	<1	<.5	E.1	E.3	E.1	E.1	<1.00
MAR									
01...	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
24...	<.5	M	<1	<.5	M	E.3	M	E.1	<1.00
APR									
08...	<.5	E.1	M	<.5	E.1	E.4	M	E.1	<1.00
MAY									
04...	<.5	E.1	<1	<.5	E.1	.5	E.1	E.1	<1.00
18...	<.5	<.5	<1	<.5	E.1	1.5	E.2	E.1	<1.00
JUN									
09...	<.5	E.1	M	<.5	E.1	E.8	E.1	E.1	<1.00
JUL									
14...	<.5	<.5	<1	<.5	Mt	E.3t	E.1t	E.1t	<1.00
AUG									
03...	<.5	E.1t	<1	<.5	E.1n	1.7	E.1t	E.1t	--u

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
14...	0917	1	9	81350	3.54	33	9.1	746	8.4	92	7.4	159	20.0
JAN													
07...	0925	1	J	81350	4.23	59	25	756	12.5	96	7.2	113	4.0
20...	1502	1	9	81350	4.37	44	6.3	746	13.0	107	7.2	137	6.0
FEB													
05...	0857	1	J	81350	4.47	68	12	748	11.0	90	7.1	131	6.0
MAR													
01...	1517	1	9	81350	--	61	6.8	749	10.5	104	7.3	150	14.0
24...	1127	1	9	81350	4.05	59	5.9	759	12.1	115	7.7	160	13.0
APR													
08...	0847	1	9	81350	4.04	44	5.2	741	8.9	93	7.4	164	16.0
MAY													
04...	0832	1	9	81350	4.33	53	12	748	8.9	88	7.5	120	14.0
18...	0837	1	J	81350	4.19	55	57	754	7.1	81	7.1	117	21.5
JUN													
09...	0852	1	9	81350	3.82	31	6.1	752	7.0	82	7.3	158	22.5
JUL													
14...	0842	1	9	81350	3.69	21	5.5	747	7.1	88	7.5	191	25.0
AUG													
03...	0812	1	J	81350	4.45	102	76	748	6.5	80	7.1	101	25.0

Date	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)
OCT													
14...	9.0	1.6	12	440	2	1.4	120	19	68	5.4	84	32	5100
JAN													
07...	11	3.4	13	530	2	1.2	130	31	120	7.3	110	38	4100
20...	8.5	3.9	11	580	2	1.2	120	18	120	7.1	140	30	1900
FEB													
05...	10	2.3	13	480	2	1.0	90	19	98	6.8	96	36	1700
MAR													
01...	6.0	1.8	9.8	420	2	.9	87	20	5300	6.1	79	23	2200
24...	5.2	2.0	5.3	430	2	1.0	70	23	90	5.8	48	22	5800
APR													
08...	6.6	2.3	7.7	470	2	.7	280	17	95	7.0	68	28	2900
MAY													
04...	9.8	1.7	11	470	2	.9	--o	21	92	6.0	100	37	2100
18...	12	3.5	8.7	540	3	.8	96	24	93	6.8	110	43	4200
JUN													
09...	8.0	2.9	9.1	440	2	.8	110	17	80	5.9	100	30	3100
JUL													
14...	8.6	1.9	9.8	580	2	1.0	130	14	92	6.9	81	30	2000
AUG													
03...	13	1.7	7.7	510	3	1.0	77	21	71	6.0	120	38	2100

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Suspnd. Uranium suspnd sedimnt total, ug/g (35046)	sedimnt conc, flow through cntrfug mg/L (50279)
OCT												
14...	.12	13	57	M	2	240	<50	.280	84	400	<50	.5
JAN												
07...	.20	13	66	1	<1	80	<100	.470	140	650	<100	8
20...	--o	7	49	1	2	65	<100	.410	110	600	<100	2
FEB												
05...	.15	6	38	2	<1	170	<100	.370	130	370	<100	5
MAR												
01...	--o	5	37	1	<1	45	<100	.270	75	530	<100	2
24...	--o	10	40	1	1	180	<100	.240	69	560	<100	3
APR												
08...	.41	31	130	1	<1	240	<100	.300	80	460	<100	2
MAY												
04...	.16	--o	--o	1	M	120	<50	.490	130	390	<50	6
18...	.17	8	50	1	<.5	71	<50	.470	130	450	<50	24
JUN												
09...	.26	15	56	2	<1	140	<100	.350	74	410	<100	3
JUL												
14...	.11	18	75	1	12	170	<100	.370	100	430	<100	3
AUG												
03...	.16	4	36	1	1	53	<50	.530	140	330	<50	47

Remark codes used in this table:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this table:
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL
t -- Below the long-term MDL

Null value qualifier codes used in this table:
o -- Insufficient amount of water
u -- Unable to determine-matrix interference

2004 Water Year

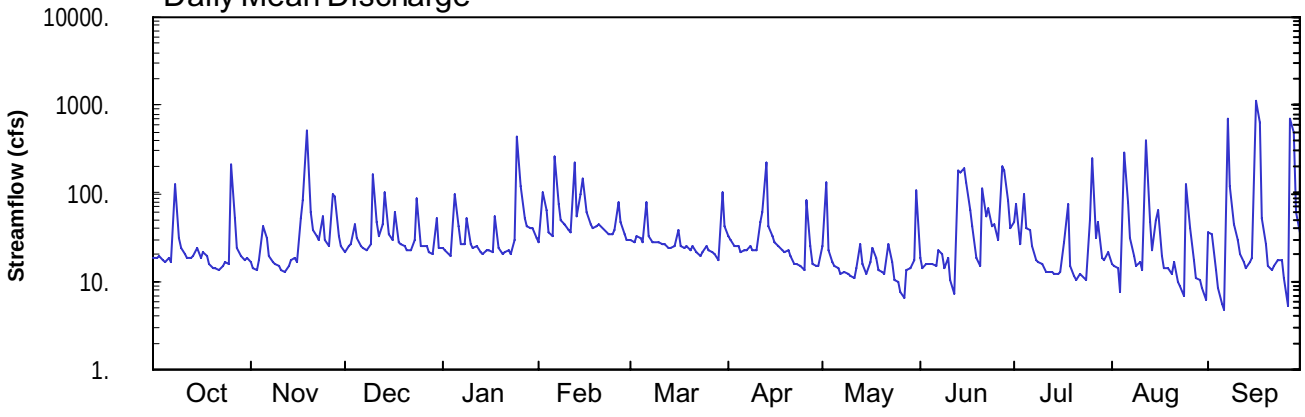
APALACHICOLA RIVER BASIN

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA.

Latitude: 33°52'09" Longitude: 084°22'44" Hydrologic Unit Code: 03130001

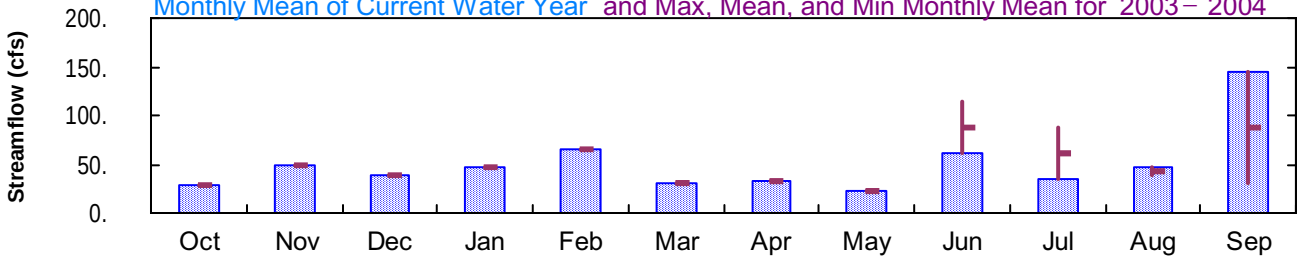
Fulton County Datum: 810.00 feet Drainage Area: 26.6 mi²

Daily Mean Discharge

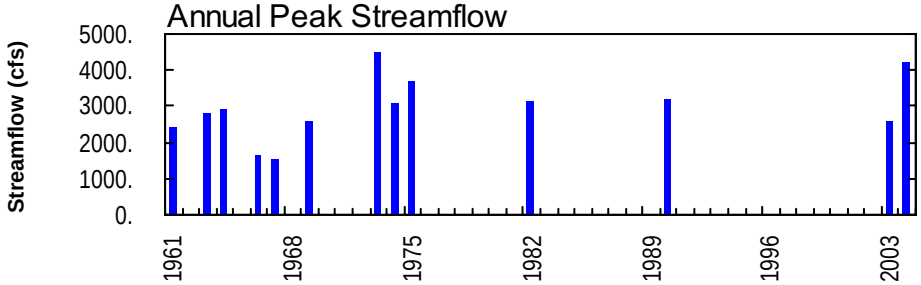


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 and 2004 Water Years

02336360 NANCY CREEK AT RICKENBACKER DRIVE AT ATLANTA, GA

LOCATION.—Lat 33°52'09", long 84°22'44", referenced to North American Datum (NAD) of 1983, Hydrologic Unit 03130101, Fulton County, 75 feet downstream of bridge on Rickenbacker Drive, 0.20 miles east of US 19 and GA 9, 6.9 miles upstream of Peachtree Creek, and 1.2 miles north of GA 237.

DRAINAGE AREA.—26.6 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 24, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 810.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair, except for discharges above 600 cfs, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 24, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 810.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.23 feet, September 16; minimum gage-height recorded, 0.51 feet, September 27.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 24, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60* CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	17	22	24	28	30	33	26	18	46	16	37
2	18	14	25	22	104	28	30	131	14	77	15	34
3	19	13	26	21	64	32	26	23	16	26	14	14
4	18	17	46	19	37	31	26	17	16	96	7.7	8.4
5	16	42	31	95	33	28	22	15	16	40	298	5.5
6	18	32	25	42	267	78	23	14	15	38	79	4.8
7	17	20	24	26	75	33	22	12	23	25	31	714
8	130	16	23	27	50	28	25	12	20	18	20	120
9	31	16	26	52	44	28	23	12	14	17	15	46
10	24	15	162	27	38	27	22	11	19	16	16	29
11	21	14	47	24	37	26	46	11	10	13	14	20
12	19	13	33	25	225	26	60	14	7.3	13	406	16
13	18	15	46	21	56	24	218	26	178	12	47	15
14	20	18	101	21	97	24	43	16	170	12	22	17
15	24	18	34	23	145	26	33	12	188	12	49	19
16	18	17	29	22	62	38	28	17	e134	13	65	1150
17	21	53	60	21	44	26	26	24	e66	28	20	648
18	20	82	27	54	41	24	23	18	e41	73	14	53
19	16	529	27	24	41	25	21	13	19	15	14	26
20	14	60	26	21	44	23	23	13	15	11	12	15
21	14	39	22	22	41	26	19	12	114	10	16	13
22	13	32	23	22	38	22	16	27	54	12	9.7	15
23	15	29	30	20	35	20	16	17	67	11	8.9	18
24	16	55	90	30	35	21	15	10	41	10	7.0	17
25	16	30	26	432	38	26	13	9.7	45	50	125	11
26	211	25	26	119	78	23	83	7.7	30	252	40	5.4
27	51	95	25	52	47	21	25	6.6	202	31	17	692
28	24	92	21	42	34	21	16	14	180	48	11	492
29	19	33	20	40	30	18	15	14	81	18	11	62
30	18	25	53	39	---	104	15	17	40	17	8.2	37
31	18	---	23	30	---	42	---	108	---	21	6.1	---
TOTAL	915	1476	1199	1459	1908	949	1006	680.0	1853.3	1081	1434.6	4354.1
MEAN	29.5	49.2	38.7	47.1	65.8	30.6	33.5	21.9	61.8	34.9	46.3	145
MAX	211	529	162	432	267	104	218	131	202	252	406	1150
MIN	13	13	20	19	28	18	13	6.6	7.3	10	6.1	4.8
CFSM	1.11	1.85	1.45	1.77	2.47	1.15	1.26	0.82	2.32	1.31	1.74	5.46
IN.	1.28	2.06	1.68	2.04	2.67	1.33	1.41	0.95	2.59	1.51	2.01	6.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	29.5	49.2	38.7	47.1	65.8	30.6	33.5	21.9	87.6	61.4	42.6	88.3
MAX	29.5	49.2	38.7	47.1	65.8	30.6	33.5	21.9	114	87.9	46.3	145
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2003	2003	2004	2004
MIN	29.5	49.2	38.7	47.1	65.8	30.6	33.5	21.9	61.8	34.9	39.0	31.5
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	18315.0			
ANNUAL MEAN	50.0		50.0	
HIGHEST ANNUAL MEAN			50.0	2004
LOWEST ANNUAL MEAN			50.0	2004
HIGHEST DAILY MEAN	1150	Sep 16	1150	Sep 16 2004
LOWEST DAILY MEAN	4.8	Sep 6	4.8	Sep 6 2004
ANNUAL SEVEN-DAY MINIMUM	11	May 23	11	May 23 2004
MAXIMUM PEAK FLOW	4230	Sep 16	4230	Sep 16 2004
MAXIMUM PEAK STAGE	15.23	Sep 16	15.23	Sep 16 2004
ANNUAL RUNOFF (CFSM)	1.88		1.88	
ANNUAL RUNOFF (INCHES)	25.61		25.56	
10 PERCENT EXCEEDS	93		93	
50 PERCENT EXCEEDS	24		24	
90 PERCENT EXCEEDS	13		13	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60* CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.88	0.86	0.86	0.89	0.93	0.96	0.93	0.84	0.75	1.08	0.72	0.95
2	0.87	0.83	0.90	0.87	1.54	0.93	0.90	1.76	0.70	1.35	0.70	0.94
3	0.89	0.81	0.91	0.85	1.30	0.98	0.85	0.82	0.73	0.86	0.69	0.69
4	0.87	0.86	1.13	0.83	1.03	0.97	0.85	0.74	0.73	1.40	0.60	0.61
5	0.85	1.11	0.97	1.49	0.99	0.93	0.80	0.71	0.72	1.01	2.40	0.56
6	0.88	1.03	0.89	1.09	2.62	1.41	0.82	0.70	0.71	0.96	1.39	0.54
7	0.85	0.89	0.89	0.91	1.42	0.99	0.81	0.66	0.80	0.84	0.91	5.12
8	1.80	0.85	0.88	0.92	1.18	0.94	0.85	0.67	0.78	0.75	0.77	1.75
9	1.02	0.84	0.92	1.19	1.12	0.93	0.82	0.67	0.70	0.74	0.72	1.08
10	0.95	0.83	2.03	0.92	1.05	0.93	0.81	0.65	0.75	0.72	0.73	0.88
11	0.91	0.81	1.14	0.89	1.04	0.91	1.07	0.64	0.63	0.68	0.69	0.78
12	0.88	0.81	1.00	0.90	2.45	0.92	1.13	0.69	0.59	0.67	3.28	0.73
13	0.87	0.83	1.11	0.85	1.24	0.89	2.40	0.85	2.08	0.67	1.09	0.71
14	0.89	0.87	1.61	0.85	1.61	0.89	1.05	0.72	1.97	0.66	0.81	0.73
15	0.94	0.88	1.00	0.88	1.94	0.91	0.93	0.66	2.01	0.66	1.00	0.76
16	0.88	0.86	0.95	0.87	1.30	1.04	0.87	0.72	---	0.67	1.25	5.44
17	0.91	1.25	1.26	0.86	1.11	0.91	0.85	0.82	---	0.83	0.78	4.04
18	0.90	1.35	0.93	1.21	1.08	0.89	0.82	0.75	---	1.29	0.71	1.15
19	0.85	4.04	0.92	0.88	1.09	0.90	0.79	0.69	0.76	0.71	0.69	0.85
20	0.82	1.28	0.91	0.85	1.11	0.87	0.81	0.68	0.72	0.65	0.67	0.71
21	0.82	1.06	0.87	0.86	1.08	0.91	0.77	0.67	1.57	0.64	0.73	0.68
22	0.81	0.98	0.88	0.87	1.05	0.86	0.72	0.83	1.14	0.66	0.63	0.71
23	0.83	0.95	0.95	0.84	1.01	0.84	0.73	0.73	1.23	0.65	0.61	0.75
24	0.85	1.21	1.49	0.95	1.02	0.85	0.71	0.64	1.02	0.64	0.58	0.74
25	0.84	0.95	0.91	3.72	1.05	0.91	0.69	0.63	1.05	0.93	1.54	0.64
26	2.38	0.90	0.91	1.78	1.44	0.87	1.38	0.60	0.90	2.52	1.01	0.55
27	1.23	1.48	0.90	1.20	1.15	0.85	0.84	0.58	2.06	0.92	0.74	3.92
28	0.94	1.56	0.85	1.09	1.00	0.85	0.72	0.69	2.21	1.07	0.64	3.79
29	0.89	1.00	0.84	1.07	0.96	0.81	0.71	0.68	1.40	0.76	0.64	1.45
30	0.87	0.90	1.19	1.06	---	1.58	0.71	0.73	1.01	0.74	0.60	1.20
31	0.88	---	0.88	0.96	---	1.04	---	1.52	---	0.79	0.57	---
MEAN	0.97	1.10	1.03	1.08	1.27	0.95	0.90	0.77	---	0.89	0.93	1.45
MAX	2.38	4.04	2.03	3.72	2.62	1.58	2.40	1.76	---	2.52	3.28	5.44
MIN	0.81	0.81	0.84	0.83	0.93	0.81	0.69	0.58	---	0.64	0.57	0.54

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60* CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.19	0.00	0.08
2	0.00	0.00	0.00	0.00	0.66	0.06	0.00	0.08	0.00	0.21	0.00	0.06
3	0.00	0.00	0.02	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.01	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.01	0.00
5	0.00	0.42	0.00	0.48	0.01	0.00	0.00	0.00	0.00	0.00	0.98	0.00
6	0.04	0.07	0.00	0.00	1.20	0.35	0.00	0.00	0.00	0.01	0.00	0.11
7	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.03	0.00	2.90
8	1.26	0.00	0.00	0.05	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.07
9	0.00	0.00	0.00	0.25	0.00	0.07	0.00	0.01	0.01	0.00	0.00	0.00
10	0.06	0.00	0.91	0.00	0.07	0.00	0.00	0.01	0.00	0.22	0.00	0.00
11	0.00	0.00	0.00	0.00	0.19	0.00	0.31	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.77	0.00	0.76	0.08	0.00	0.00	2.04	0.00
13	0.00	0.00	0.44	0.00	0.01	0.00	0.33	0.00	1.58	0.00	0.00	0.00
14	0.04	0.00	0.18	0.00	0.44	0.00	0.00	0.00	0.04	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	1.15	0.00	0.06	0.00
16	0.00	0.00	0.18	0.00	0.00	0.28	0.00	0.25	0.09	0.00	0.00	5.71
17	0.10	0.37	0.10	0.24	0.01	0.00	0.00	0.12	0.01	0.28	0.00	0.12
18	0.00	1.05	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00
21	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.51	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.11	0.00	0.00	0.00
23	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
24	0.00	0.28	0.00	0.00	0.02	0.00	0.00	0.00	0.15	0.04	0.00	0.00
25	0.00	0.00	0.00	2.15	---	0.00	0.00	0.00	0.28	1.69	0.35	0.00
26	1.33	0.00	0.00	0.01	---	0.00	0.14	0.00	0.02	0.09	0.00	0.00
27	0.02	0.84	0.00	0.00	---	0.00	0.00	0.00	1.19	0.00	0.00	4.98
28	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.33	---	0.01	0.00
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.05	0.00	---	0.24	0.00
30	0.00	0.00	0.17	0.00	---	0.86	0.02	0.00	0.28	---	0.00	0.00
31	0.00	---	0.01	0.00	---	0.08	---	0.53	---	0.24	0.00	---
TOTAL	2.87	4.63	2.88	3.25	---	1.77	1.58	1.87	6.07	---	3.83	14.03

APALACHICOLA RIVER BASIN
2004 Water Year

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA

LOCATION.—Lat. 33°52'09", Long. 84°22'44", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, 75 feet downstream of bridge on Rickenbacker Drive, 0.2 miles east of US 19 and GA 9, 6.9 miles upstream of Peachtree Creek, and 1.2 miles north of GA 237.

DRAINAGE AREA.—26.6 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—May 24, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: May 24, 2003 to current year.
pH: May 24, 2003 to current year.
WATER TEMPERATURE: May 24, 2003 to current year.
DISSOLVED OXYGEN: May 24, 2003 to current year.
TURBIDITY: May 24, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance and pH, which are fair, and dissolved oxygen and turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 142 microsiemens, May 28, 2004; minimum recorded, 32 microsiemens, June 17, 2003, September 16, 2004.
pH: Maximum recorded, 7.7 units, on several days; minimum recorded, 6.0 units, July 10, August 5, 2004.
WATER TEMPERATURE: Maximum recorded, 29.0°C, July 14, 2004; minimum recorded, 2.5°C, January 29, 2004.
DISSOLVED OXYGEN: Maximum recorded, 13.2 mg/L, February 2, 2004; minimum recorded, 5.2 mg/L, June 15, 2004.
TURBIDITY: Maximum recorded, 1,600 NTU, June 5, 7, 2003; minimum recorded, <5.0 NTU, on many days.

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 142 microsiemens, May 28; minimum recorded, 32 microsiemens, September 16.

pH: Maximum recorded, 7.7 units, on several days; minimum recorded, 6.0 units, July 10, August 5.

WATER TEMPERATURE: Maximum recorded, 29.0°C, July 14; minimum recorded, 2.5°C, January 29.

DISSOLVED OXYGEN: Maximum recorded, 13.2 mg/L, February 2; minimum recorded, 5.2 mg/L, June 15.

TURBIDITY: Maximum recorded, 1,500 NTU, August 25; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	99	94	96	107	106	106	97	95	95	98	95	97
2	100	96	98	107	104	105	99	96	97	99	97	98
3	99	94	96	111	106	108	101	99	100	101	99	100
4	109	94	100	112	101	104	116	92	100	102	101	101
5	94	92	93	110	78	100	99	89	93	103	61	89
6	106	92	94	94	74	83	101	97	99	83	66	76
7	113	92	94	110	93	100	104	100	102	93	83	91
8	98	50	65	109	100	101	104	98	101	105	92	96
9	87	69	80	108	100	102	104	97	100	103	77	87
10	96	87	90	102	100	101	101	50	75	92	85	89
11	99	96	98	121	101	107	89	69	81	96	91	94
12	102	98	99	124	110	115	100	89	95	105	93	95
13	100	99	100	112	104	108	101	81	97	99	94	97
14	102	96	99	107	97	102	81	55	67	103	96	100
15	102	96	98	97	95	96	90	76	85	102	95	99
16	104	96	100	99	97	97	94	90	91	109	95	101
17	100	97	98	104	85	92	93	76	82	109	97	103
18	100	96	98	93	56	87	92	81	86	101	80	87
19	100	97	98	73	40	59	95	91	93	89	83	87
20	100	97	98	84	73	80	96	94	95	92	88	90
21	107	98	100	90	84	87	100	95	97	95	91	94
22	111	107	109	95	90	93	104	96	100	95	93	94
23	108	102	104	97	95	96	107	91	101	97	94	96
24	103	98	99	106	79	91	91	62	69	99	82	93
25	102	99	100	88	80	84	95	75	87	85	45	61
26	105	50	77	93	88	91	98	93	95	82	54	72
27	89	54	73	94	58	86	99	93	96	102	82	91
28	104	89	100	77	56	66	102	93	96	111	95	100
29	115	102	110	89	77	84	103	101	102	119	94	101
30	110	103	105	95	89	93	101	75	83	96	90	93
31	106	103	104	---	---	---	96	86	90	97	93	95
MONTH	115	50	96	124	40	94	116	50	92	119	45	92

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	97	95	96	106	104	105	99	89	95	106	82	100
2	103	58	86	110	104	106	105	99	102	83	57	71
3	89	60	76	111	107	109	107	102	104	102	83	94
4	109	86	95	111	104	107	106	105	106	106	100	103
5	98	95	97	110	104	106	108	104	106	113	106	110
6	96	44	73	110	73	89	108	105	107	115	111	113
7	88	70	82	98	81	92	108	104	106	117	114	115
8	99	88	92	102	98	101	109	103	106	116	113	115
9	103	93	95	104	102	103	110	103	106	117	113	114
10	109	96	99	103	101	103	110	104	106	115	113	114
11	104	98	101	104	102	103	104	87	95	115	114	114
12	103	43	65	109	101	103	96	57	91	119	111	114
13	98	75	89	104	101	103	79	52	64	111	103	106
14	98	67	80	103	102	102	93	79	88	109	103	107
15	85	54	70	103	99	101	95	92	94	112	109	110
16	93	66	83	103	97	100	100	95	97	112	80	108
17	114	93	103	102	99	100	98	96	97	106	76	94
18	106	104	105	100	99	99	100	97	99	104	94	101
19	108	100	105	104	97	100	102	99	100	111	104	108
20	100	96	99	102	99	101	102	99	101	118	110	113
21	102	98	100	103	100	101	104	100	102	117	112	114
22	104	98	100	110	102	106	107	104	106	114	75	104
23	100	96	98	111	104	107	110	104	106	101	76	93
24	101	100	101	109	105	107	113	108	110	112	101	107
25	---	102	---	104	95	98	112	108	109	119	112	115
26	122	91	102	103	95	99	110	76	93	119	117	118
27	100	90	97	104	102	103	89	81	86	122	119	120
28	103	100	102	105	103	104	99	89	95	142	120	127
29	105	101	104	109	103	105	103	97	100	129	100	114
30	---	---	---	109	72	87	106	102	103	114	106	110
31	---	---	---	103	90	95	---	---	---	112	57	83
MONTH	---	43	---	111	72	101	113	52	99	142	57	107

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	92	78	86	97	86	91	100	87	93	124	85	95
2	100	92	96	103	72	87	104	100	103	99	77	83
3	101	95	99	91	81	86	110	94	100	87	81	83
4	97	93	95	98	54	85	108	103	106	94	87	91
5	94	92	93	88	60	78	108	44	89	98	94	97
6	93	91	92	96	75	91	75	56	68	101	98	99
7	95	85	91	90	73	82	85	75	80	100	34	53
8	94	83	87	102	90	96	92	85	88	80	54	70
9	100	94	97	104	102	103	95	92	93	92	80	87
10	97	92	94	118	100	106	97	94	95	97	90	94
11	99	93	96	107	104	106	98	96	98	112	97	99
12	103	99	100	109	105	107	98	33	57	104	100	101
13	103	45	68	110	107	109	71	58	66	104	102	103
14	82	45	69	113	110	111	78	71	76	105	104	104
15	92	53	76	113	109	111	82	47	77	116	105	106
16	87	59	75	113	110	111	75	50	66	111	32	79
17	88	47	79	118	103	111	86	75	81	83	36	67
18	85	63	76	104	68	79	91	86	89	---	---	---
19	96	85	91	94	83	88	97	91	93	---	---	---
20	100	96	98	103	94	97	101	95	98	119	---	---
21	105	59	86	106	103	104	98	95	96	137	113	130
22	90	66	75	105	103	104	96	94	95	141	115	131
23	85	62	78	111	105	108	100	95	98	135	112	124
24	80	62	72	115	107	110	103	100	102	129	111	124
25	102	75	85	115	55	106	102	51	85	136	113	125
26	89	76	82	77	48	65	77	60	70	133	110	125
27	93	51	80	93	77	85	103	77	83	132	33	97
28	74	55	67	97	74	90	95	87	90	89	36	68
29	86	60	75	101	97	98	100	75	93	108	89	96
30	100	86	92	104	101	103	99	97	97	118	105	109
31	---	---	---	105	87	101	100	98	99	---	---	---
MONTH	105	45	85	118	48	97	110	33	88	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.0	6.9	7.0	7.0	6.9	6.9	6.9	6.9	6.9	7.2	7.1	7.2
2	7.0	6.9	7.0	7.1	6.9	7.0	7.0	6.9	6.9	7.2	7.1	7.2
3	7.1	6.9	7.0	7.1	7.0	7.0	7.0	7.0	7.0	7.2	7.1	7.1
4	6.9	6.4	6.7	7.1	6.9	7.0	7.1	7.0	7.0	7.1	7.1	7.1
5	7.0	6.8	7.0	7.0	6.7	6.9	7.1	7.0	7.0	7.3	7.1	7.1
6	7.1	7.0	7.0	6.8	6.7	6.8	7.1	7.0	7.0	7.2	7.1	7.1
7	7.1	6.9	7.0	7.0	6.8	6.9	7.1	7.0	7.1	7.3	7.2	7.2
8	7.0	6.6	6.8	7.0	6.9	7.0	7.1	7.0	7.1	7.3	7.2	7.3
9	7.0	6.8	6.9	7.0	7.0	7.0	7.1	7.0	7.1	7.3	7.2	7.3
10	7.0	6.9	7.0	7.1	7.0	7.0	7.1	6.9	7.0	7.2	7.2	7.2
11	7.0	7.0	7.0	7.1	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2
12	7.1	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.1	7.4	7.2	7.2
13	7.1	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.2	7.2	7.2	7.2
14	7.1	7.0	7.0	7.1	7.0	7.0	7.2	7.0	7.1	7.2	7.2	7.2
15	7.0	7.0	7.0	7.0	6.9	7.0	7.2	7.1	7.2	7.2	7.2	7.2
16	7.1	7.0	7.0	7.1	6.9	7.0	7.2	7.2	7.2	7.2	7.2	7.2
17	7.1	7.0	7.0	6.9	6.8	6.8	7.2	7.1	7.1	7.2	7.1	7.1
18	7.1	7.0	7.0	7.0	6.6	6.9	7.1	7.1	7.1	7.3	7.1	7.2
19	7.1	7.0	7.0	6.7	6.4	6.6	7.2	7.1	7.2	7.2	7.1	7.1
20	7.1	7.0	7.0	6.8	6.7	6.8	7.2	7.1	7.2	7.2	7.2	7.2
21	7.2	7.0	7.1	6.8	6.8	6.8	7.2	7.1	7.2	7.3	7.2	7.2
22	7.2	7.0	7.1	6.9	6.8	6.8	7.2	7.1	7.1	7.3	7.2	7.2
23	7.1	7.1	7.1	6.9	6.9	6.9	7.2	7.1	7.1	7.3	7.2	7.2
24	7.3	7.1	7.2	6.9	6.8	6.9	7.2	7.0	7.1	7.3	7.1	7.2
25	7.3	7.1	7.1	6.8	6.8	6.8	7.2	7.1	7.1	7.1	6.9	7.0
26	7.1	6.7	6.9	6.9	6.8	6.9	7.2	7.1	7.2	7.1	6.9	7.1
27	7.0	6.7	6.9	6.9	6.7	6.9	7.2	7.2	7.2	7.2	7.1	7.1
28	7.0	6.9	7.0	6.8	6.7	6.8	7.2	7.2	7.2	7.2	7.1	7.1
29	7.0	6.9	7.0	6.9	6.8	6.9	7.2	7.1	7.2	7.2	7.1	7.1
30	7.0	6.9	7.0	6.9	6.9	6.9	7.2	7.1	7.2	7.2	7.1	7.1
31	7.0	6.9	7.0	---	---	---	7.1	7.1	7.1	7.2	7.1	7.1
MAX	7.3	7.1	7.2	7.1	7.0	7.0	7.2	7.2	7.2	7.4	7.2	7.3
MIN	6.9	6.4	6.7	6.7	6.4	6.6	6.9	6.9	6.9	7.1	6.9	7.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.2	7.1	7.1	7.3	7.2	7.2	7.4	7.3	7.4	7.2	7.0	7.1
2	7.2	7.0	7.2	7.4	7.2	7.2	7.5	7.3	7.4	7.1	6.9	7.1
3	7.1	7.0	7.0	7.4	7.2	7.2	7.5	7.3	7.4	7.2	7.1	7.2
4	7.2	7.0	7.1	7.4	7.2	7.2	7.6	7.4	7.4	7.2	7.2	7.2
5	7.2	7.1	7.2	7.4	7.2	7.2	7.5	7.4	7.5	7.2	7.2	7.2
6	7.2	6.8	7.0	7.2	7.0	7.1	7.6	7.4	7.5	7.3	7.2	7.2
7	7.1	7.0	7.0	7.3	7.0	7.2	7.6	7.4	7.5	7.2	7.2	7.2
8	7.1	7.0	7.1	7.4	7.2	7.2	7.5	7.2	7.4	7.3	7.2	7.2
9	7.2	7.0	7.1	7.4	7.2	7.3	7.5	7.2	7.3	7.4	7.2	7.3
10	7.2	7.1	7.1	7.4	7.2	7.3	7.5	7.2	7.3	7.4	7.2	7.3
11	7.2	7.1	7.1	7.4	7.2	7.3	7.2	7.0	7.2	7.4	7.2	7.3
12	7.3	6.9	7.0	7.5	7.2	7.3	7.2	6.8	7.1	---	---	---
13	7.1	7.0	7.1	7.5	7.2	7.3	7.1	6.8	7.0	---	---	---
14	7.1	7.0	7.1	7.5	7.2	7.3	7.2	7.1	7.2	---	---	---
15	7.1	7.0	7.0	7.6	7.2	7.3	7.2	7.1	7.2	---	---	---
16	7.1	7.0	7.0	7.4	7.1	7.2	7.2	7.1	7.2	---	---	---
17	7.1	7.0	7.1	7.4	7.1	7.2	7.2	7.1	7.2	---	---	---
18	7.2	7.1	7.1	7.4	7.2	7.2	7.2	7.1	7.1	---	---	---
19	7.2	7.1	7.1	7.4	7.1	7.2	7.2	7.1	7.1	---	---	---
20	7.1	7.1	7.1	7.4	7.1	7.2	7.2	7.1	7.1	7.3	7.1	7.2
21	7.2	7.1	7.1	7.4	7.1	7.3	7.2	7.1	7.2	7.3	7.1	7.2
22	7.2	7.1	7.1	7.4	7.2	7.3	7.3	7.2	7.2	7.3	6.7	7.1
23	7.2	7.1	7.1	7.4	7.2	7.3	7.4	7.2	7.3	7.0	6.7	6.9
24	7.2	7.1	7.1	7.4	7.2	7.2	7.3	7.2	7.2	7.1	7.0	7.0
25	7.3	7.2	7.3	7.6	7.2	7.5	7.3	7.2	7.2	7.2	7.0	7.1
26	7.2	7.1	7.2	7.6	7.2	7.3	7.2	7.0	7.0	7.2	7.1	7.1
27	7.2	7.1	7.1	7.6	7.2	7.3	7.1	7.0	7.0	7.3	7.1	7.1
28	7.2	7.1	7.2	7.7	7.2	7.3	7.2	7.1	7.1	7.3	7.1	7.2
29	7.3	7.1	7.2	7.7	7.2	7.3	7.2	7.2	7.2	7.2	6.9	7.1
30	---	---	---	7.3	7.0	7.1	7.2	7.2	7.2	---	---	---
31	---	---	---	7.5	7.3	7.4	---	---	---	---	---	---
MAX	7.3	7.2	7.3	7.7	7.3	7.5	7.6	7.4	7.5	---	---	---
MIN	7.1	6.8	7.0	7.2	7.0	7.1	7.1	6.8	7.0	---	---	---

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	6.9	6.6	6.7	7.4	7.0	7.2	---	---	---
2	---	---	---	6.7	6.4	6.6	7.5	7.2	7.4	---	---	---
3	---	---	---	6.9	6.5	6.7	7.5	7.2	7.4	---	---	---
4	---	---	---	6.8	6.2	6.6	7.4	7.1	7.2	---	---	---
5	---	---	---	6.6	6.2	6.4	7.3	6.0	7.1	---	---	---
6	---	---	---	6.8	6.3	6.5	6.9	6.3	6.8	---	---	---
7	---	---	---	6.6	6.3	6.5	7.5	6.9	7.4	---	---	---
8	---	---	---	6.8	6.4	6.6	7.6	7.3	7.4	---	---	---
9	---	---	---	6.8	6.5	6.6	7.4	7.3	7.3	---	---	---
10	---	---	---	6.8	6.0	6.5	7.4	7.3	7.3	---	---	---
11	---	---	---	7.1	6.5	6.6	7.4	7.2	7.3	---	---	---
12	---	---	---	7.2	6.5	6.8	7.2	6.3	6.7	---	---	---
13	---	---	---	7.5	6.7	7.0	7.1	6.8	7.0	---	---	---
14	---	---	---	7.4	7.0	7.2	7.2	7.1	7.2	---	---	---
15	---	---	---	7.7	7.3	7.4	7.2	6.5	7.2	---	---	---
16	---	---	---	7.7	7.3	7.5	7.0	6.5	6.9	---	---	---
17	7.2	6.4	7.0	7.7	7.3	7.5	7.2	6.9	7.0	---	---	---
18	7.2	6.8	7.1	7.4	7.1	7.2	7.3	7.0	7.2	---	---	---
19	7.2	7.0	7.1	7.5	7.0	7.4	7.3	7.1	7.2	---	---	---
20	7.3	7.0	7.2	7.6	7.3	7.4	---	---	---	6.9	6.7	6.8
21	7.3	6.9	7.2	7.5	7.3	7.4	---	---	---	7.0	6.9	6.9
22	7.1	6.8	7.0	7.5	7.3	7.4	---	---	---	7.0	6.9	6.9
23	7.2	6.9	7.1	7.5	7.2	7.4	---	---	---	6.9	6.9	6.9
24	7.2	6.7	7.1	7.4	7.2	7.3	---	---	---	6.9	6.8	6.9
25	7.3	6.9	7.1	7.5	6.9	7.4	---	---	---	6.9	6.8	6.9
26	7.1	7.0	7.0	7.2	6.8	7.1	---	---	---	6.9	6.8	6.9
27	7.2	6.6	7.1	7.4	7.2	7.3	---	---	---	6.9	6.4	6.8
28	7.0	6.7	6.9	7.5	7.2	7.4	---	---	---	6.7	6.5	6.7
29	7.0	6.8	6.9	7.5	7.4	7.5	---	---	---	6.8	6.6	6.7
30	7.1	6.9	7.0	7.6	7.4	7.5	---	---	---	6.9	6.7	6.7
31	---	---	---	7.5	7.1	7.4	---	---	---	---	---	---
MAX	---	---	---	7.7	7.4	7.5	---	---	---	---	---	---
MIN	---	---	---	6.6	6.0	6.4	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.7	15.2	16.4	16.5	14.0	15.3	8.8	6.5	7.6	7.9	5.4	6.7
2	16.9	14.6	15.8	16.8	14.3	15.5	8.0	---	---	9.5	7.3	8.3
3	16.1	13.9	15.1	16.7	14.1	15.4	7.8	---	---	11.8	9.2	10.5
4	17.4	14.3	15.9	17.5	15.7	16.6	7.5	6.8	7.0	13.1	11.2	12.1
5	18.2	15.6	16.9	19.6	17.4	18.2	7.6	6.9	7.2	14.2	11.8	13.5
6	18.6	17.3	17.9	20.3	19.2	19.6	7.5	6.6	7.0	11.8	6.6	9.0
7	19.2	17.8	18.5	19.2	17.6	18.5	7.2	5.3	6.3	6.6	3.9	4.8
8	19.6	18.3	18.9	17.6	15.8	16.4	7.4	5.2	6.3	4.9	3.2	4.0
9	19.1	18.3	18.7	15.8	13.9	15.0	8.8	6.1	7.3	6.1	4.8	5.5
10	19.3	18.3	18.7	13.9	12.1	12.9	11.2	8.8	10.0	5.8	4.5	5.3
11	18.6	17.9	18.2	14.1	11.5	12.8	8.9	6.9	7.8	5.2	3.1	4.2
12	19.8	17.6	18.6	15.8	12.8	14.2	7.7	5.8	6.8	6.2	3.3	4.7
13	19.9	17.7	18.9	15.5	11.1	13.6	7.2	6.2	6.7	7.8	5.3	6.3
14	20.1	18.1	19.4	11.1	9.1	10.0	7.2	6.2	6.6	8.6	6.0	7.2
15	18.1	15.6	16.7	12.0	9.3	10.5	7.4	5.5	6.5	9.1	7.4	8.4
16	16.3	13.5	15.0	13.4	10.6	11.9	9.1	5.7	7.2	7.9	5.7	6.9
17	15.1	13.4	14.4	16.4	13.4	15.2	9.1	6.8	8.1	7.3	6.0	6.8
18	15.9	13.4	14.6	17.7	15.3	16.2	7.0	5.1	6.2	9.2	7.3	8.4
19	16.0	13.3	14.7	17.8	15.2	17.0	7.0	5.6	6.3	8.9	5.4	7.2
20	16.5	13.8	15.1	15.2	13.0	14.0	5.6	4.2	4.8	5.5	3.5	4.6
21	17.4	14.4	15.9	14.0	11.9	13.0	5.0	3.0	4.0	5.5	3.4	4.4
22	17.2	15.4	16.4	13.7	11.5	12.7	6.0	3.5	4.7	---	3.7	---
23	16.4	14.3	15.5	13.9	11.6	12.8	9.3	4.9	6.5	5.7	3.8	4.7
24	16.1	13.9	15.1	14.0	11.5	13.3	9.9	7.2	9.0	7.8	3.6	5.4
25	16.5	14.4	15.4	11.5	8.9	9.9	7.2	5.1	5.9	8.8	5.8	7.7
26	17.7	15.8	16.6	10.6	8.3	9.4	6.4	4.2	5.3	5.9	5.6	5.7
27	17.5	15.2	16.8	12.7	10.2	11.2	6.8	4.4	5.6	6.9	5.1	5.9
28	15.2	13.3	14.0	13.2	10.3	12.4	7.0	4.8	5.9	5.2	2.9	4.2
29	15.0	12.9	13.9	10.3	7.4	8.6	9.3	6.2	7.5	5.4	2.5	4.0
30	15.3	12.6	13.9	8.3	6.1	7.2	9.9	7.6	9.0	7.2	4.6	5.7
31	16.1	13.6	14.8	---	---	---	7.7	5.7	6.8	6.4	4.3	5.4
MONTH	20.1	12.6	16.3	20.3	6.1	13.6	11.2	---	---	---	2.5	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.6	4.2	5.4	13.4	8.8	10.9	14.0	10.6	12.3	20.8	18.3	19.3
2	5.9	4.2	5.2	15.3	12.7	13.9	15.0	10.3	12.6	20.4	18.0	19.4
3	7.2	4.2	5.5	16.2	13.6	14.8	17.1	11.6	14.2	18.0	15.4	16.6
4	6.9	4.4	5.7	16.6	14.1	15.3	16.4	11.9	14.1	18.2	13.4	15.7
5	6.0	5.7	5.9	16.0	14.4	15.3	16.2	10.9	13.4	19.9	14.4	17.1
6	7.3	5.7	6.3	17.7	15.4	16.4	17.4	12.0	14.4	22.0	16.8	19.3
7	7.2	4.9	6.1	17.0	13.6	15.1	17.8	13.1	15.3	23.0	17.9	20.4
8	6.3	3.6	5.0	14.1	10.9	12.5	18.6	14.9	16.6	23.9	18.6	21.2
9	6.4	4.9	5.6	12.3	9.5	10.9	19.3	14.4	16.8	23.9	20.0	21.9
10	7.0	5.4	6.1	12.8	8.4	10.5	17.0	13.7	15.6	23.9	20.0	21.9
11	7.9	6.6	7.3	13.1	8.0	10.5	16.7	14.6	15.7	23.8	20.7	22.1
12	7.8	6.5	7.0	13.9	9.5	11.6	17.2	14.3	16.1	23.0	20.9	21.7
13	8.6	5.9	7.3	14.0	9.5	11.7	15.0	12.4	14.4	22.9	20.7	21.8
14	8.6	7.9	8.3	15.2	10.9	13.0	14.7	11.0	12.6	22.8	20.6	21.5
15	8.5	7.6	8.2	16.3	13.5	14.9	16.7	11.1	13.8	23.5	20.0	21.7
16	7.8	6.7	7.3	16.9	14.4	15.3	18.2	12.5	15.4	23.1	20.3	21.7
17	7.6	6.3	7.0	16.2	12.3	14.1	19.4	14.1	16.7	22.5	20.7	21.7
18	9.0	5.7	7.2	14.1	11.3	12.9	20.6	15.3	17.9	23.0	20.6	21.7
19	9.4	5.6	7.6	17.4	11.6	14.3	21.1	16.5	18.7	23.3	20.8	22.1
20	9.6	6.9	8.3	17.7	13.1	15.3	20.9	17.6	19.1	25.0	20.8	22.8
21	11.8	9.1	10.2	17.0	12.9	15.3	20.3	17.3	18.7	25.8	21.7	23.7
22	10.8	7.7	9.4	13.6	9.7	11.6	21.7	17.2	19.3	24.6	22.4	23.2
23	9.5	8.1	8.7	13.2	8.0	10.6	21.9	18.0	19.9	25.4	21.4	23.2
24	---	---	---	---	9.4	---	22.5	18.4	20.3	25.1	21.2	23.2
25	9.3	---	---	16.6	---	---	22.4	18.9	20.7	26.6	22.3	24.3
26	8.3	5.8	6.3	18.8	13.2	15.8	21.1	18.2	19.6	26.6	22.9	24.7
27	7.3	5.8	6.4	18.2	14.2	16.2	19.6	16.2	17.7	26.7	22.8	24.5
28	9.6	5.1	7.2	20.1	14.8	17.3	19.5	14.6	17.0	25.6	22.7	24.0
29	10.3	6.4	8.4	19.1	16.1	17.4	19.5	16.0	17.7	24.5	22.5	23.3
30	---	---	---	18.7	15.4	17.0	19.1	18.0	18.5	25.8	22.0	23.9
31	---	---	---	16.7	12.5	14.7	---	---	---	24.9	21.6	23.3
MONTH	---	---	---	---	---	---	22.5	10.3	16.5	26.7	13.4	21.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.9	21.3	22.1	24.9	22.8	23.8	28.2	24.9	26.4	24.8	23.4	24.1
2	22.8	20.2	21.6	24.6	22.7	23.8	28.4	25.2	26.6	24.0	22.9	23.5
3	23.1	20.2	21.8	26.3	23.4	24.6	28.4	24.4	26.2	23.9	22.6	23.2
4	24.5	21.1	22.6	26.1	23.5	24.9	28.5	24.9	26.6	24.1	21.9	23.0
5	23.7	20.3	22.0	27.6	24.2	25.9	28.0	24.9	25.8	24.7	22.0	23.2
6	24.2	20.9	22.5	27.8	24.4	25.8	26.6	24.5	25.4	23.7	22.5	23.1
7	22.8	21.4	22.0	27.2	23.4	25.2	25.2	22.5	23.9	23.1	22.1	22.7
8	23.6	21.2	22.3	27.2	23.8	25.5	24.8	21.2	23.0	23.0	22.3	22.7
9	23.6	22.1	22.8	26.8	24.0	25.6	24.2	21.3	22.8	24.3	21.5	22.8
10	25.8	21.6	23.6	27.8	24.4	25.8	23.2	22.1	22.6	24.3	22.1	23.1
11	27.3	23.2	25.1	28.5	24.4	26.2	24.4	21.1	22.7	24.4	21.9	23.0
12	28.3	24.0	26.0	27.4	24.8	26.0	24.0	22.2	23.2	24.1	21.8	22.9
13	26.5	22.4	24.6	28.7	24.6	26.4	23.7	21.3	22.5	23.2	21.7	22.4
14	26.0	23.2	24.8	29.0	24.7	26.6	23.5	20.2	21.8	22.8	20.8	21.8
15	25.4	23.9	24.7	27.9	24.4	25.9	24.2	21.3	22.7	21.9	21.0	21.4
16	26.7	24.0	25.2	26.1	23.1	24.7	24.9	23.0	23.8	22.9	21.5	22.1
17	27.4	24.0	25.6	26.4	23.8	24.8	25.8	23.0	24.3	22.7	22.0	22.4
18	27.6	24.9	26.2	27.3	23.8	25.4	25.9	22.9	24.3	22.3	20.6	21.5
19	28.5	25.0	26.5	27.1	23.5	25.2	26.0	22.7	24.3	21.4	19.5	20.5
20	27.6	24.4	26.0	26.4	22.7	24.5	26.1	23.2	24.6	20.4	18.5	19.5
21	25.9	23.4	24.9	26.9	23.1	24.9	25.2	23.7	24.3	20.5	17.9	19.1
22	26.5	24.1	25.1	26.9	23.7	25.3	25.6	23.3	24.4	20.6	18.1	19.2
23	25.7	23.7	24.5	28.6	24.2	26.2	26.0	23.7	24.7	21.3	18.5	19.8
24	25.2	23.7	24.3	28.6	24.9	26.5	25.7	23.5	24.6	22.0	19.7	20.7
25	26.0	23.4	24.3	28.0	23.9	26.0	25.0	23.8	24.4	22.2	20.2	21.2
26	25.1	23.1	24.0	26.7	24.1	25.4	26.0	23.6	24.7	21.8	19.7	20.9
27	24.9	23.2	24.0	26.0	24.5	25.2	25.9	23.5	24.7	21.2	20.3	20.6
28	24.2	23.4	23.8	27.2	24.0	25.3	26.7	23.7	25.0	21.6	20.2	20.8
29	25.2	22.9	24.0	26.0	24.0	24.9	25.3	23.8	24.7	21.3	20.0	20.7
30	24.7	23.4	23.9	27.5	24.4	25.7	26.6	23.5	24.9	21.1	19.1	20.1
31	---	---	---	27.3	24.8	25.9	26.7	23.7	25.0	---	---	---
MONTH	28.5	20.2	24.0	29.0	22.7	25.4	28.5	20.2	24.4	24.8	17.9	21.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.2	9.3	9.7	8.0	7.2	7.6	10.1	9.5	9.7	---	---	---
2	10.4	9.4	9.8	8.0	7.3	7.5	---	---	---	---	---	---
3	10.9	9.7	10.2	8.1	7.2	7.6	9.6	9.3	9.5	---	---	---
4	10.6	9.5	10.0	7.8	6.9	7.4	9.8	9.3	9.6	---	---	---
5	10.3	9.3	9.8	7.3	6.2	6.8	9.6	9.3	9.4	---	---	---
6	10.0	9.1	9.5	6.4	6.1	6.2	9.8	9.3	9.5	---	---	---
7	9.8	8.9	9.3	7.1	6.3	6.8	10.2	9.3	9.7	---	---	---
8	9.7	8.8	9.0	7.6	6.7	7.2	10.2	9.2	9.6	---	---	---
9	9.4	8.9	9.2	8.1	7.4	7.7	10.1	8.7	9.5	---	---	---
10	9.4	9.1	9.2	8.7	7.7	8.2	8.9	8.4	8.6	---	---	---
11	9.6	9.1	9.3	8.8	7.8	8.3	---	---	---	---	---	---
12	9.7	8.9	9.3	8.5	7.4	8.0	---	---	---	---	---	---
13	9.7	8.7	9.1	8.6	7.3	8.0	---	---	---	---	---	---
14	9.3	8.5	8.8	9.5	8.3	9.0	---	---	---	---	---	---
15	9.7	8.8	9.2	9.4	8.5	8.9	---	---	---	---	---	---
16	10.4	9.4	10	9.2	8.0	8.6	---	---	---	---	---	---
17	10.6	9.8	10.2	8.0	6.8	7.3	---	---	---	---	---	---
18	10.5	8.9	10.0	7.6	6.7	7.2	---	---	---	---	---	---
19	10.5	8.9	9.9	7.3	6.7	7.0	---	---	---	---	---	---
20	10.4	9.3	9.9	7.9	7.3	7.7	---	---	---	---	---	---
21	10.3	8.9	9.6	8.2	7.7	7.9	---	---	---	---	---	---
22	9.8	8.8	9.2	8.4	7.7	8.1	---	---	---	---	---	---
23	---	---	---	8.5	7.9	8.2	---	---	---	12.7	---	---
24	---	---	---	8.0	7.7	7.9	---	---	---	12.7	11.0	12.0
25	---	---	---	8.9	8.0	8.5	---	---	---	12.0	10.9	11.3
26	---	---	---	9.3	8.7	9.0	---	---	---	12.0	11.8	11.9
27	---	---	---	8.8	8.2	8.6	---	---	---	12.0	11.6	11.8
28	---	---	---	8.5	7.9	8.2	---	---	---	13.1	11.7	12.4
29	---	---	---	9.6	8.5	9.2	---	---	---	13.1	12.3	12.6
30	---	---	---	10.2	9.5	9.8	---	---	---	12.4	11.5	12.1
31	8.0	7.4	7.7	---	---	---	---	---	---	12.6	11.5	12.1
MONTH	---	---	---	10.2	6.1	7.9	---	---	---	---	---	---

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.7	11.9	12.2	11.5	9.9	10.9	9.8	8.7	9.2	7.8	6.5	7.1
2	13.2	11.9	12.5	10.7	9.3	10	10.4	8.9	9.6	7.7	7.0	7.4
3	13.0	11.7	12.5	10.6	9.2	9.8	10.0	7.7	9.1	8.3	7.5	7.9
4	12.9	11.8	12.3	10.6	9.0	9.6	10.2	7.7	9.0	9.0	7.6	8.3
5	---	---	---	10.5	8.8	9.5	10.6	7.9	9.2	8.7	7.4	8.1
6	---	---	---	9.2	8.3	8.7	10.4	8.2	9.3	8.3	6.8	7.6
7	---	---	---	9.8	8.4	9.1	10.3	8.1	9.1	8.0	6.3	7.3
8	---	---	---	10.8	9.0	9.9	9.4	7.8	8.6	8.0	6.8	7.4
9	---	---	---	11.1	9.8	10.4	9.6	7.8	8.5	8.1	6.9	7.4
10	---	---	---	11.4	10.0	10.6	9.7	7.8	8.6	8.2	6.9	7.4
11	---	---	---	11.6	9.7	10.6	8.7	7.4	8.1	8.5	6.9	7.6
12	---	---	---	11.2	9.6	10.3	8.9	7.3	7.9	8.5	7.1	7.7
13	---	---	---	11.3	9.5	10.3	8.8	8.1	8.4	7.9	7.0	7.4
14	---	---	---	11.1	8.9	9.9	9.6	6.8	8.9	8.2	7.2	7.6
15	---	---	---	10.4	8.5	9.3	9.6	8.3	9.0	8.4	7.2	7.7
16	---	---	---	9.5	7.7	8.6	9.3	7.7	8.6	8.6	6.7	7.7
17	---	---	---	10.0	7.8	8.8	9.0	7.8	8.4	8.0	6.6	7.4
18	---	---	---	10.4	8.5	9.3	8.8	7.5	8.1	7.8	6.8	7.2
19	---	---	---	10.2	8.1	9.1	8.7	7.1	8.0	7.8	6.8	7.3
20	---	---	---	10.0	7.9	8.9	8.6	7.3	7.9	8.6	7.0	7.7
21	---	---	---	9.5	7.8	8.6	8.6	7.3	7.8	8.4	7.0	7.6
22	---	---	---	10.7	8.5	9.6	8.4	7.1	7.7	8.4	6.7	7.3
23	---	---	---	11.2	9.2	10.0	8.3	6.7	7.6	7.4	6.3	6.9
24	---	---	---	10.8	---	---	8.3	6.7	7.4	7.4	6.4	6.9
25	11.7	---	---	10.8	---	---	8.3	6.6	7.3	7.2	6.0	6.7
26	12.5	11.4	12.0	10.2	8.2	9.1	7.5	6.6	7.0	7.7	6.1	6.7
27	12.3	11.8	12.1	10.0	8.1	8.9	7.6	6.8	7.3	8.0	6.5	7.1
28	12.7	11.3	12.0	10.0	7.7	8.7	8.3	7.0	7.6	8.0	6.3	7.1
29	12.3	11.0	11.6	10.1	7.7	8.6	8.3	7.0	7.6	8.6	6.1	7.5
30	---	---	---	8.5	7.5	8.0	8.0	6.9	7.4	7.7	6.2	7.1
31	---	---	---	9.3	7.8	8.7	---	---	---	8.7	6.2	7.2
MONTH	---	---	---	11.6	---	---	10.6	6.6	8.3	9.0	6.0	7.4

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.1	7.2	7.7	7.8	7.0	7.4	7.2	5.8	6.4	---	---	---
2	8.3	7.3	7.8	7.8	6.9	7.3	7.3	5.8	6.5	7.4	---	---
3	8.4	7.3	7.8	7.6	6.5	7.1	7.2	5.9	6.4	7.4	6.8	7.0
4	8.6	7.0	7.8	7.4	6.3	6.8	7.4	5.7	6.4	7.8	6.7	7.2
5	8.9	7.2	8.1	7.1	6.3	6.7	7.3	5.6	6.3	7.8	6.6	7.1
6	9.3	7.3	8.2	7.1	6.3	6.6	7.0	6.2	6.7	7.8	6.6	7.0
7	9.3	7.1	8.1	7.0	6.2	6.5	7.4	6.5	6.9	7.6	6.6	7.2
8	8.4	7.4	7.9	7.2	6.2	6.7	7.2	6.0	6.7	7.2	6.9	7.1
9	8.6	7.2	7.9	7.5	6.4	6.9	7.1	5.9	6.4	7.4	6.8	7.1
10	8.7	6.6	7.9	7.8	6.1	6.8	7.4	6.0	6.6	7.4	6.9	7.1
11	8.5	6.6	7.4	7.9	5.8	6.7	7.5	5.8	6.6	7.4	6.9	7.1
12	9.0	6.3	7.4	8.0	5.8	6.6	8.2	5.4	7.1	7.6	6.8	7.2
13	8.6	6.5	7.5	8.3	5.7	6.8	7.8	7.2	7.4	7.9	7.0	7.4
14	7.7	6.0	7.2	8.0	5.6	6.4	7.7	6.9	7.3	8.0	7.1	7.5
15	8.7	5.2	6.8	7.9	5.7	6.5	7.6	7.0	7.2	8.0	7.1	7.5
16	7.8	6.7	7.2	8.1	5.7	6.7	7.6	7.1	7.4	7.8	7.1	7.3
17	7.1	6.4	6.8	7.8	6.0	6.5	7.8	7.2	7.4	---	---	---
18	7.0	6.3	6.6	6.5	5.4	6.1	8.0	7.2	7.6	---	---	---
19	7.0	6.2	6.6	6.7	5.6	6.1	8.8	7.4	7.9	---	---	---
20	7.4	6.3	6.8	7.1	5.4	6.2	8.7	7.1	7.9	---	---	---
21	8.0	6.5	6.9	7.1	5.3	6.1	8.6	7.1	7.9	7.4	6.1	6.7
22	7.7	7.0	7.4	7.6	5.4	6.4	8.7	7.2	7.8	7.1	5.6	6.3
23	7.9	7.0	7.6	7.4	5.5	6.2	8.9	7.1	7.7	6.9	6.0	6.5
24	7.8	7.3	7.5	7.2	5.4	6.0	8.7	6.9	7.6	6.7	6.1	6.3
25	8.3	7.4	7.7	7.4	5.3	6.2	---	---	---	6.6	5.6	6.1
26	8.2	7.5	7.8	7.4	6.1	6.6	---	---	---	6.6	5.5	6.1
27	8.3	7.3	7.8	7.3	6.6	6.9	---	---	---	8.6	5.7	7.0
28	8.4	7.7	7.9	7.6	6.4	7.0	---	---	---	---	---	---
29	8.1	7.3	7.8	7.3	6.3	6.9	---	---	---	---	---	---
30	7.8	7.3	7.6	7.3	6.4	6.8	---	---	---	---	---	---
31	---	---	---	7.2	5.9	6.6	---	---	---	---	---	---
MONTH	9.3	5.2	7.5	8.3	5.3	6.6	---	---	---	---	---	---

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.4	<5.0	6.4	9.6	<5.0	6.8	---	---	---	---	---	---
2	13	<5.0	6.5	11	5.9	8.1	---	---	---	---	---	---
3	9.4	5.2	7.0	15	8.0	11	9.8	5.8	6.8	---	---	---
4	22	6.2	9.7	26	12	18	23	8.3	15	---	---	---
5	12	<5.0	6.8	140	15	22	22	12	18	---	---	---
6	12	6.5	7.8	---	---	---	12	5.4	6.7	---	---	---
7	17	5.9	12	---	---	---	14	5.6	7.1	---	---	---
8	380	12	100	---	---	---	8.1	<5.0	5.6	---	---	---
9	---	---	---	---	---	---	7.2	<5.0	6.0	---	---	---
10	---	---	---	---	---	---	260	5.4	120	---	---	---
11	---	---	---	---	---	---	78	18	29	---	---	---
12	---	---	---	---	---	---	18	8.2	12	---	---	---
13	---	---	---	---	---	---	64	6.3	7.5	---	---	---
14	---	---	---	---	---	---	150	32	72	---	---	---
15	---	---	---	---	---	---	33	11	16	---	---	---
16	---	---	---	---	---	---	25	7.9	10	---	---	---
17	---	---	---	---	---	---	47	16	22	---	---	---
18	---	---	---	---	---	---	19	7.3	9.7	---	---	---
19	---	---	---	---	---	---	9.4	5.1	6.3	---	---	---
20	---	---	---	---	---	---	7.1	5.2	6.0	---	---	---
21	---	---	---	---	---	---	7.7	<5.0	6.0	---	---	---
22	---	---	---	---	---	---	7.9	5.5	6.3	---	---	---
23	<5.0	<5.0	<5.0	---	---	---	64	5.8	6.5	8.3	<5.0	<5.0
24	6.5	<5.0	<5.0	---	---	---	140	23	46	7.6	<5.0	5.4
25	7.8	<5.0	<5.0	---	---	---	34	11	17	320	<5.0	130
26	310	<5.0	---	---	---	---	29	6.5	9.2	150	20	38
27	---	---	---	---	---	---	---	---	---	24	10	14
28	---	---	---	---	---	---	---	---	---	13	7.3	10
29	---	---	---	---	---	---	---	---	---	11	5.7	7.5
30	9.1	6.6	7.2	---	---	---	---	---	---	26	5.0	6.2
31	12	6.3	7.5	---	---	---	---	---	---	8.4	5.0	5.9
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.3	<5.0	5.1	15	<5.0	5.2	---	---	---	120	10	33
2	330	<5.0	5.0	8.3	<5.0	<5.0	---	---	---	300	20	50
3	330	19	52	10	5.4	6.7	---	---	---	54	7.3	13
4	21	9.4	15	8.2	<5.0	6.7	---	---	---	14	<5.0	6.8
5	11	7.1	9.3	9.3	<5.0	5.4	---	---	---	12	5.1	6.4
6	430	5.8	94	200	<5.0	45	---	---	---	13	<5.0	6.9
7	87	22	52	24	7.3	10	---	---	---	13	<5.0	5.3
8	36	11	17	12	<5.0	5.8	10	<5.0	5.6	---	---	---
9	15	8.0	11	9.1	<5.0	<5.0	9.1	<5.0	<5.0	---	---	---
10	28	7.5	11	7.5	<5.0	<5.0	9.2	<5.0	<5.0	23	<5.0	5.5
11	33	7.6	11	7.7	<5.0	<5.0	93	<5.0	18	28	<5.0	<5.0
12	330	13	87	7.5	<5.0	<5.0	760	5.1	11	18	<5.0	<5.0
13	64	17	32	7.6	<5.0	<5.0	660	41	170	79	5.4	13
14	79	14	37	10	<5.0	<5.0	42	14	22	9.8	<5.0	<5.0
15	170	23	61	9.1	<5.0	<5.0	21	7.7	12	6.0	<5.0	<5.0
16	68	14	25	23	<5.0	12	11	<5.0	6.3	37	<5.0	<5.0
17	20	9.9	13	15	<5.0	7.5	12	<5.0	5.4	110	<5.0	17
18	---	---	---	11	<5.0	<5.0	14	<5.0	5.2	56	6.7	11
19	---	---	---	6.6	<5.0	<5.0	12	<5.0	5.2	14	<5.0	<5.0
20	---	---	---	8.1	<5.0	<5.0	9.5	<5.0	6.2	23	<5.0	<5.0
21	---	---	---	22	<5.0	6.0	24	<5.0	5.4	6.4	<5.0	<5.0
22	---	---	---	5.0	<5.0	<5.0	25	<5.0	<5.0	420	<5.0	<5.0
23	---	---	---	8.3	<5.0	<5.0	11	<5.0	5.1	280	16	55
24	---	---	---	9.5	<5.0	<5.0	11	<5.0	<5.0	16	5.8	8.2
25	14	5.9	8.7	<5.0	<5.0	<5.0	17	<5.0	<5.0	13	<5.0	6.5
26	56	11	34	<5.0	<5.0	<5.0	190	<5.0	48	11	<5.0	5.1
27	35	9.5	18	7.1	<5.0	<5.0	28	8.0	15	23	<5.0	<5.0
28	19	6.8	8.9	5.1	<5.0	<5.0	30	6.4	11	10	<5.0	6.9
29	8.3	<5.0	5.6	5.0	<5.0	<5.0	42	6.4	8.1	110	<5.0	5.6
30	---	---	---	200	<5.0	45	40	7.8	11	68	5.5	14
31	---	---	---	---	---	---	---	---	---	600	<5.0	57
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	34	7.8	14	48	7.4	12	35	<5.0	<5.0	72	<5.0	14
2	12	<5.0	6.8	120	9.6	28	11	<5.0	<5.0	49	6.9	11
3	9.1	<5.0	5.5	25	<5.0	9.3	24	<5.0	8.7	7.8	<5.0	<5.0
4	11	<5.0	5.0	570	<5.0	5.5	6.2	<5.0	<5.0	<5.0	<5.0	<5.0
5	8.3	<5.0	<5.0	100	7.0	16	1100	<5.0	5.3	5.1	<5.0	<5.0
6	10	<5.0	<5.0	100	<5.0	6.1	280	---	---	<5.0	<5.0	<5.0
7	64	<5.0	<5.0	100	7.1	18	---	---	---	660	<5.0	260
8	37	5.4	16	11	<5.0	5.0	---	---	---	170	29	52
9	11	<5.0	5.4	5.2	<5.0	<5.0	---	---	---	73	12	22
10	23	<5.0	6.5	44	<5.0	<5.0	---	---	---	98	7.2	13
11	12	<5.0	<5.0	7.8	<5.0	<5.0	---	---	---	27	5.4	7.2
12	<5.0	<5.0	<5.0	5.0	<5.0	<5.0	---	---	---	12	<5.0	5.3
13	460	<5.0	170	5.9	<5.0	<5.0	---	---	---	16	<5.0	<5.0
14	---	---	---	<5.0	<5.0	<5.0	---	---	---	16	<5.0	5.6
15	---	---	---	5.2	<5.0	<5.0	---	---	---	17	<5.0	<5.0
16	---	---	---	5.7	<5.0	<5.0	---	---	---	790	<5.0	34
17	430	11	37	88	<5.0	<5.0	19	5.2	8.0	620	---	---
18	76	10	19	230	17	58	16	<5.0	<5.0	---	---	---
19	12	<5.0	5.9	20	<5.0	6.5	7.1	<5.0	<5.0	---	---	---
20	14	<5.0	<5.0	14	<5.0	<5.0	48	<5.0	<5.0	---	---	---
21	540	<5.0	38	7.7	<5.0	<5.0	8.5	<5.0	<5.0	51	30	42
22	250	12	32	5.4	<5.0	<5.0	5.3	<5.0	<5.0	38	22	29
23	280	11	37	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	67	22	29
24	120	12	23	<5.0	<5.0	<5.0	11	<5.0	<5.0	90	8.8	29
25	83	7.5	15	640	<5.0	<5.0	1500	<5.0	<5.0	200	<5.0	7.8
26	50	7.5	15	700	22	60	110	12	24	400	9.4	24
27	780	<5.0	8.0	31	5.6	11	15	5.1	7.9	750	22	120
28	270	32	100	160	<5.0	10	8.8	<5.0	5.0	460	60	160
29	180	14	29	10	<5.0	<5.0	66	<5.0	<5.0	---	---	---
30	45	6.4	12	37	<5.0	<5.0	10	<5.0	<5.0	---	---	---
31	---	---	---	47	<5.0	6.7	5.5	<5.0	<5.0	---	---	---
MAX	---	---	---	700	22	60	---	---	---	---	---	---
MIN	---	---	---	5.0	5.0	5.0	---	---	---	---	---	---

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2004 Water Year

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA

LOCATION.—Lat 33°52'09", long 84°22'44", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, 300 feet downstream of bridge on Rickenbacker Drive, 0.2 miles east of US 19 and GA 9, 6.9 miles upstream of Peachtree Creek, and 1.2 miles north of GA 237.

DRAINAGE AREA.—26.6 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 19, 1976; August 13, 2004 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
22...	1025	--	9	9	81345	.80	13	2.8	755	9.3	94	7.2	106
22...	1050	--	9	9	81345	.81	13	2.7	755	9.3	94	7.2	106
NOV													
05-05	2027	2029	9	J	81345	1.79	112	100	--	6.3	--	6.8	89
NOV													
05-05	2112	2114	9	J	81345	2.22	166	130	--	6.5	--	6.8	89
NOV													
18-18	1932	1934	9	J	81345	1.08	36	240	--	6.9	--	6.9	86
NOV													
18-18	2232	2234	9	J	81345	4.48	536	320	--	6.8	--	6.7	64
NOV													
19-19	0002	0004	9	J	81345	5.13	656	270	--	6.9	--	6.6	56
NOV													
19-19	0132	0134	9	J	81345	7.18	1080	370	--	7.1	--	6.6	49
NOV													
19-19	0303	0305	9	J	81345	9.93	1730	460	--	6.9	--	6.5	44
NOV													
19-19	0348	0350	9	J	81345	9.72	1670	470	--	6.9	--	6.4	41
NOV													
19-19	1034	1036	9	J	81345	2.84	264	250	--	7.0	--	6.6	60
DEC													
10-10	0850	0910	9	J	81345	2.26	177	110	744	10.6	97	7.6	78
DEC													
10-10	0930	1020	9	J	81345	2.52	215	190	744	10.6	98	7.2	74
DEC													
10-10	1100	1120	9	J	81345	3.32	339	160	744	10.6	97	7.1	66
DEC													
10-10	1130	1200	9	J	81345	3.50	368	190	744	10.7	98	7.0	64
DEC													
10-10	1320	1405	9	J	81345	4.09	467	280	744	10.4	97	7.0	51
DEC													
10-10	1330	1410	9	J	81345	4.02	455	280	744	10.4	97	7.0	51
DEC													
10-10	1430	1510	9	J	81345	3.46	362	260	744	10.5	98	7.0	52
DEC													
10-10	1440	1520	9	J	81345	3.28	333	260	744	10.5	98	7.0	52
JAN													
06...	1305	--	9	J	81345	1.03	36	39	745	10.8	93	7.2	80
06...	1325	--	9	J	81345	1.02	35	40	745	10.6	94	7.1	80
JAN													
08-08	1345	1347	9	J	81345	.90	25	--	--	--	--	7.2	91
JAN													
08-08	1517	1519	9	J	81345	.90	25	--	--	--	--	7.2	90
JAN													
09-09	0405	0407	9	J	81345	.92	27	--	--	--	--	7.3	90
JAN													
09-09	0538	0540	9	J	81345	.91	26	--	--	--	--	7.3	91
22...	1415	--	9	9	81345	.86	22	3.6	746	13.2	108	7.2	96
22...	1430	--	9	9	81345	.85	21	3.6	746	13.2	108	7.2	96
JAN													
25-25	0436	0438	9	J	81345	1.32	65	16	--	11.0	--	7.1	84
JAN													
25-25	0736	0738	9	J	81345	2.82	261	93	--	11.0	--	7.1	74
JAN													
25-25	0951	0953	9	J	81345	5.74	774	280	--	11.0	--	7.0	56
JAN													
25-25	1206	1208	9	J	81345	6.00	827	260	--	11.1	--	6.9	45
FEB													
04...	1220	--	9	9	81345	1.03	36	17	752	14.0	114	6.9	93
04...	1250	--	9	9	81345	1.02	35	18	752	14.1	115	6.9	99
FEB													
06-06	0807	0809	9	J	81345	1.59	93	77	--	12.2	--	7.2	82
FEB													
06-06	1022	1024	9	J	81345	4.76	586	280	--	12.2	--	7.0	60
FEB													
06-06	1237	1239	9	J	81345	6.66	965	400	--	12.2	--	7.0	52
FEB													
06-06	1322	1324	9	J	81345	6.66	965	400	--	12.2	--	7.0	52
FEB													
06-06	1407	1409	9	J	81345	6.28	885	400	--	12.2	--	7.0	42
FEB													
06-06	1537	1539	9	J	81345	4.44	529	380	--	12.1	--	6.9	46
MAR													
03...	1300	--	9	9	81345	.96	30	6.3	751	10.7	108	7.4	111
03...	1330	--	9	9	81345	.96	30	7.2	751	10.8	109	7.3	111
APR													
12-12	2147	2149	9	J	81345	1.37	75	140	--	8.5	--	7.0	70

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
22...	15.5	31	6	8.86	2.20	2.59	.5	6.83	30	25.2	M	9.76	11.8
22...	15.5	31	5	8.87	2.13	2.60	.5	6.67	30	25.5	M	9.51	12.2
NOV													
05-05	19.4	25	2	7.28	1.63	3.55	.4	4.18	24	23.2	<.02	5.73	9.00
NOV													
05-05	19.1	27	3	7.83	1.73	3.26	.4	4.57	24	23.7	<.02	6.65	9.16
NOV													
18-18	17.2	27	5	7.72	1.79	3.31	.4	4.72	25	21.6	<.02	5.98	9.28
NOV													
18-18	17.5	19	4	5.74	1.14	3.59	.3	2.99	22	14.6	<.02	4.08	6.59
NOV													
19-19	17.4	16	2	4.96	.96	3.39	.3	2.97	24	14.1	<.02	3.00	5.38
NOV													
19-19	17.7	15	2	4.53	.84	3.55	.3	2.66	23	13.0	<.02	2.14	3.83
NOV													
19-19	17.7	13	1	3.97	.67	3.10	.2	1.65	18	11.2	<.02	1.97	3.44
NOV													
19-19	17.8	12	.0	3.52	.67	2.91	.3	2.41	26	11.0	<.02	1.82	3.39
NOV													
19-19	17.0	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
10-10	10.5	26	4	7.76	1.64	2.92	.4	4.95	27	21.9	<.02	6.18	10.0
DEC													
10-10	11.0	23	4	6.80	1.41	2.91	.4	4.24	26	19.3	<.02	4.72	7.93
DEC													
10-10	10.5	20	3	5.98	1.23	3.05	.3	3.53	24	17.3	<.02	3.76	6.70
DEC													
10-10	10.5	21	3	6.21	1.23	3.10	.3	3.50	24	17.4	<.02	3.81	6.67
DEC													
10-10	11.0	16	2	4.88	.86	2.47	.3	2.58	23	13.7	<.02	2.39	4.93
DEC													
10-10	11.0	16	2	4.86	.84	2.45	.2	2.08	19	13.6	<.02	2.35	4.91
DEC													
10-10	11.0	17	2	5.19	.90	2.68	.3	2.79	23	14.4	<.02	2.45	5.26
DEC													
10-10	11.0	16	2	4.95	.91	2.48	.3	2.54	22	14.5	<.02	2.49	5.28
JAN													
06...	9.0	39	4	10.5	3.11	2.31	.4	5.73	23	35.6	.1	8.11	15.4
06...	9.0	41	--	12.0	2.57	2.35	.5	6.63	25	42.3	.1	8.56	17.5
JAN													
08-08	4.6	--	--	<.08	<.10	<.10	--	<.08	--	-.2	<.02	<.02	<.050
JAN													
08-08	5.0	35	2	9.91	2.53	2.44	.4	5.53	24	33.0	M	8.46	13.6
JAN													
09-09	3.6	29	3	8.08	2.02	2.27	.4	5.45	27	25.5	M	7.46	10.5
JAN													
09-09	3.4	35	3	9.80	2.44	2.41	.4	6.00	26	32.0	M	8.29	12.2
22...	6.0	35	6	9.28	2.92	3.09	.4	5.70	24	29.1	.1	9.98	9.54
22...	6.0	43	7	10.8	3.97	2.91	.5	7.82	27	36.7	.1	12.7	13.2
JAN													
25-25	8.1	21	3	6.66	1.05	2.59	.4	4.43	28	18.0	<.02	6.68	3.04
JAN													
25-25	8.6	21	3	6.61	.97	2.70	.5	4.84	31	18.0	<.02	7.16	3.67
JAN													
25-25	8.8	36	5	9.72	2.74	2.48	.4	5.18	23	30.8	<.02	7.30	12.9
JAN													
25-25	7.4	14	3	4.13	.89	2.02	.2	1.66	18	11.2	<.02	2.04	4.14
FEB													
04...	6.0	30	6	8.93	1.90	2.58	.4	4.96	24	24.7	<.02	7.24	9.87
04...	6.0	30	5	8.70	1.92	2.44	.4	4.99	25	24.9	<.02	7.86	9.95
FEB													
06-06	5.8	27	7	7.83	1.87	2.02	.3	4.05	23	20.5	<.02	6.40	9.77
FEB													
06-06	6.0	18	5	5.29	1.05	2.31	.3	3.07	25	13.1	<.02	4.89	5.27
FEB													
06-06	6.1	15	3	4.45	.86	1.88	.3	2.55	25	11.3	<.02	3.97	4.89
FEB													
06-06	6.1	14	3	4.21	.77	1.80	.3	2.39	25	10.5	<.02	2.84	4.06
FEB													
06-06	6.2	13	3	4.04	.74	1.78	.2	2.07	23	10.3	<.02	2.98	4.17
FEB													
06-06	6.6	15	3	4.57	.83	1.91	.2	1.89	19	12.2	<.02	2.73	4.82
MAR													
03...	15.0	39	12	11.3	2.50	2.86	.5	6.77	26	26.8	<.02	8.90	9.94
03...	15.0	38	11	11.2	2.51	2.81	.5	6.65	26	27.6	<.02	9.02	8.54
APR													
12-12	15.5	25	6	7.52	1.47	2.37	.4	4.27	25	19.3	M	4.04	7.67

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
OCT													
22...	8.8	68	.09	--	<.020	.44	<.020	<.100	<.10	.58	--	--	--
22...	8.5	68	.09	--	<.020	.43	<.020	<.100	<.10	.56	490	600	9210
NOV													
05-05	5.8	53	.07	--	<.020	.37	<.020	<.100	<.10	.56	--	--	--
NOV													
05-05	7.5	56	.08	--	<.020	.30	<.020	<.100	<.10	.42	--	--	--
NOV													
18-18	5.8	53	.07	.09	.067	.34	<.020	<.100	.14	.49	--	--	--
NOV													
18-18	5.1	40	.05	.16	.128	.43	.080	<.100	<.10	.68	--	--	--
NOV													
19-19	4.0	35	.05	.10	.078	.40	<.020	<.100	<.10	.50	--	--	--
NOV													
19-19	3.6	31	.04	.09	.070	.40	<.020	<.100	<.10	.47	--	--	--
NOV													
19-19	3.2	26	.04	--	<.020	.32	<.020	<.100	<.10	.50	--	--	--
NOV													
19-19	2.9	26	.03	--	<.020	.28	<.020	<.100	<.10	.34	--	--	--
NOV													
19-19	--	--	--	--	--	--	--	--	--	--	7200	5000k	242000
DEC													
10-10	6.3	56	.08	.24	.186	.55	<.020	<.100	<.10	1.05	--	--	--
DEC													
10-10	5.9	48	.07	.18	.137	.46	<.020	<.100	<.10	1.03	11000	3000	242000
DEC													
10-10	5.2	42	.06	.09	.071	.47	<.020	<.100	<.10	.98	--	--	--
DEC													
10-10	5.2	42	.06	.09	.067	.46	<.020	<.100	<.10	.90	19000	3300	242000
DEC													
10-10	4.1	32	.04	.07	.052	.35	<.020	<.100	<.10	.76	--	--	--
DEC													
10-10	4.1	32	.04	.05	.038	.36	<.020	<.100	<.10	.70	6700	5200	242000
DEC													
10-10	4.2	34	.05	.09	.067	.35	<.020	<.100	<.10	.69	--	--	--
DEC													
10-10	4.0	33	.05	.08	.065	.35	<.020	<.100	<.10	.85	13000	5400	242000
JAN													
06...	5.8	77	.10	.11	.089	.94	<.020	<.100	<.10	.87	--	--	--
06...	6.0	85	.12	.11	.089	.78	<.020	<.100	<.10	.65	--	--	--
JAN													
08-08	<.02	--	--	--	<.020	<.02	<.020	<.100	<.10	1.06	--	--	--
JAN													
08-08	6.3	72	.10	--	<.020	.65	<.020	<.100	<.10	.90	--	--	--
JAN													
09-09	5.9	60	.08	--	<.020	.54	<.020	<.100	<.10	.89	--	--	--
JAN													
09-09	6.5	70	.10	--	<.020	.62	<.020	<.100	<.10	.99	--	--	--
22...	6.8	71	.10	.14	.108	1.21	<.020	<.100	<.10	.71	--	--	--
22...	6.2	87	.12	--	<.020	1.53	<.020	<.100	<.10	1.79	150	42k	630
JAN													
25-25	5.4	43	.06	--	<.020	.60	<.020	<.100	<.10	.94	--	--	--
JAN													
25-25	5.0	45	.06	--	<.020	.57	<.020	<.100	<.10	1.28	--	--	--
JAN													
25-25	6.0	69	.09	--	<.020	.98	<.020	<.100	<.10	1.29	--	--	--
JAN													
25-25	4.2	28	.04	--	<.020	.53	<.020	<.100	<.10	1.10	--	--	--
FEB													
04...	8.2	62	.08	.13	.102	.68	<.020	<.100	<.10	.97	--	--	--
04...	8.3	62	.08	.14	.110	.65	<.020	<.100	<.10	.97	770	210k	8700
FEB													
06-06	8.1	56	.08	.18	.136	.77	<.020	<.100	<.10	1.13	--	--	--
FEB													
06-06	5.4	39	.05	.18	.136	.61	<.020	<.100	<.10	1.08	--	--	--
FEB													
06-06	4.9	35	.05	.16	.121	.96	<.020	<.100	<.10	1.09	--	--	--
FEB													
06-06	4.3	30	.04	.15	.113	.55	<.020	<.100	<.10	.99	--	--	--
FEB													
06-06	4.2	31	.04	.14	.106	.82	<.020	<.100	<.10	.90	--	--	--
FEB													
06-06	4.4	33	.04	.10	.081	.77	<.020	<.100	<.10	.91	--	--	--
MAR													
03...	9.1	71	.10	.13	.100	.63	<.020	<.100	<.10	.88	--	--	--
03...	9.1	70	.09	.12	.090	.63	<.020	<.100	<.10	.80	240	110	3200
APR													
12-12	5.9	47	.06	.07	.053	.37	<.020	<.100	<.10	.59	--	--	--

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT			
22...	<50.0	<100	50
22...	<50.0	<100	50
NOV			
05-05	<50.0	110	40
NOV			
05-05	65.0	<100	40
NOV			
18-18	144	<100	40
NOV			
18-18	<100	<100	30
NOV			
19-19	<100	<100	30
NOV			
19-19	128	100	20
NOV			
19-19	<100	140	20
NOV			
19-19	<100	140	20
NOV			
19-19	--	--	--
DEC			
10-10	122	120	40
DEC			
10-10	112	110	30
DEC			
10-10	108	<100	30
DEC			
10-10	102	100	30
DEC			
10-10	<100	190	20
DEC			
10-10	<100	190	20
DEC			
10-10	<100	120	30
DEC			
10-10	<100	210	20
JAN			
06...	61.7	240	60
06...	48.0	300	60
JAN			
08-08	--	<100	--
JAN			
08-08	19.0	<100	60
JAN			
09-09	58.0	200	40
JAN			
09-09	49.8	160	60
22...	33.1	<100	50
22...	49.2	120	60
JAN			
25-25	47.0	<100	20
JAN			
25-25	57.9	390	20
JAN			
25-25	38.8	<100	50
JAN			
25-25	27.6	140	20
FEB			
04...	36.6	<100	40
04...	30.5	140	40
FEB			
06-06	34.6	170	40
FEB			
06-06	40.9	300	30
FEB			
06-06	38.3	320	20
FEB			
06-06	45.8	320	20
FEB			
06-06	47.3	340	20
FEB			
06-06	35.9	380	20
MAR			
03...	28.2	130	60
03...	10.2	130	60
APR			
12-12	48.2	170	40

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
APR													
12-12	2227	2229	9	J	81345	3.60	384	680	--	8.9	--	6.9	59
APR													
12-12	2312	2314	9	J	81345	3.51	370	580	--	8.7	--	6.8	57
APR													
12-12	2357	2359	9	J	81345	4.62	561	640	--	8.1	--	6.9	65
APR													
13-13	0042	0044	9	J	81345	5.09	648	520	--	8.2	--	6.8	56
APR													
13-13	0127	0129	9	J	81345	4.70	575	520	--	8.2	--	6.8	54
APR													
13-13	0212	0214	9	J	81345	3.96	444	490	--	8.3	--	6.8	56
MAY													
31-31	0742	0744	9	J	81345	2.02	149	210	--	8.5	--	6.7	78
MAY													
31-31	0824	0826	9	J	81345	2.03	150	320	--	8.6	--	6.6	72
MAY													
31-31	0917	0919	9	J	81345	3.86	427	600	--	7.4	--	6.5	79
MAY													
31-31	1002	1004	9	J	81345	4.34	511	430	--	7.6	--	6.4	66
MAY													
31-31	1047	1049	9	J	81345	3.90	434	360	--	7.5	--	6.5	68
MAY													
31-31	1217	1219	9	J	81345	2.65	236	230	--	7.7	--	6.4	63
JUL													
28...	1325	--	9	9	81345	.89	29	19	751	7.7	96	7.2	93
28...	1330	--	9	9	81345	.88	29	9.6	751	8.0	99	7.2	94
AUG													
02...	1025	--	9	9	81345	.65	11	5.0	748	7.5	94	7.3	103
02...	1030	--	9	9	81345	.65	11	4.5	748	7.5	94	7.3	103
11...	1155	--	9	9	81345	.69	13	4.5	--	7.9	--	7.2	111
11...	1200	--	9	9	81345	.69	13	4.6	--	7.9	--	7.2	111
SEP													
07-07	0305	0307	9	J	81345	1.60	99	140	--	7.3	--	7.3	93
SEP													
07-07	0349	0351	9	J	81345	2.77	255	190	--	7.6	--	7.2	68
SEP													
07-07	0604	0606	9	J	81345	9.07	1520	1700	--	7.4	--	7.2	41
SEP													
07-07	0819	0821	9	J	81345	9.81	1700	480	--	7.5	--	7.1	34
SEP													
07-07	1034	1036	9	J	81345	7.45	1140	470	--	7.3	--	7.2	41
13...	1145	--	9	9	81345	.72	16	5.7	752	8.2	96	7.0	98
SEP													
16-16	1422	1424	9	J	81345	3.04	295	120	--	7.6	--	9.0	84
SEP													
16-16	1506	1508	9	J	81345	4.88	609	500	--	7.4	--	9.0	75
SEP													
16-16	1551	1553	9	J	81345	6.16	860	1400	--	7.5	--	8.9	53
SEP													
16-16	1806	1808	9	J	81345	12.80	2890	620	--	7.8	--	8.5	40
SEP													
16-16	2021	2023	9	J	81345	13.60	3330	710	--	7.4	--	8.4	38
SEP													
16-16	2151	2153	9	J	81345	14.90	4040	700	--	7.3	--	8.3	34

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
APR													
12-12	14.4	18	.0	5.41	1.03	3.34	.3	2.83	22	17.3	M	2.93	4.71
APR													
12-12	14.6	18	3	5.44	1.05	3.19	.3	2.91	22	15.0	<.02	2.71	4.57
APR													
12-12	14.9	21	4	6.17	1.23	2.76	.4	4.04	27	16.2	M	3.95	6.17
APR													
13-13	14.7	18	4	5.49	1.07	2.48	.4	3.44	26	14.4	M	3.64	5.63
APR													
13-13	14.9	16	2	5.02	.91	2.27	.3	2.77	24	14.3	M	2.81	5.05
APR													
13-13	14.8	18	3	5.34	1.00	2.22	.3	2.92	24	15.0	<.02	3.07	5.80
MAY													
31-31	22.2	27	--	8.39	1.55	3.59	.3	4.00	21	37.2	<.02	4.01	9.45
MAY													
31-31	21.6	21	5	6.26	1.21	3.95	.3	3.53	23	15.8	<.02	3.51	7.60
MAY													
31-31	22.4	21	4	6.45	1.14	3.38	.4	3.96	26	16.6	M	4.30	7.72
MAY													
31-31	22.5	21	3	6.52	1.16	3.22	.4	3.91	25	17.7	.1	3.82	8.46
MAY													
31-31	22.7	20	3	6.25	1.06	3.10	.4	3.84	26	17.4	M	3.50	7.86
MAY													
31-31	22.8	20	4	6.17	1.06	3.00	.4	3.98	27	16.0	M	3.44	7.38
JUL													
28...	25.5	29	4	8.70	1.67	3.18	.4	4.56	23	24.7	M	4.9	9.50
28...	25.5	27	2	8.20	1.64	3.08	.4	4.61	24	25.0	M	5.0	9.42
AUG													
02...	26.0	31	2	9.30	1.96	3.17	.5	5.97	27	29.2	.1	6.2	11.0
02...	26.0	32	3	9.50	2.00	3.16	.5	6.04	27	29.2	.1	6.1	11.0
11...	22.5	33	2	9.60	2.08	3.07	.4	5.72	25	30.4	.1	6.5	12.4
11...	23.0	32	2	9.50	2.03	3.05	.4	5.78	26	30.2	.1	6.5	12.3
SEP													
07-07	22.6	--	--	--	--	--	--	--	--	24.4	M	4.38	--
SEP													
07-07	22.5	--	--	--	--	--	--	--	--	17.5	<.02	2.93	--
SEP													
07-07	22.5	--	--	--	--	--	--	--	--	10.9	<.02	1.62	--
SEP													
07-07	22.3	--	--	--	--	--	--	--	--	9.0	<.02	1.27	--
SEP													
07-07	22.2	--	--	--	--	--	--	--	--	10.4	<.02	1.46	--
13...	22.5	--	--	--	--	--	--	--	--	45.6	.1	7.58	--
SEP													
16-16	22.0	--	--	--	--	--	--	--	--	22.8	M	4.30	--
SEP													
16-16	22.2	--	--	--	--	--	--	--	--	18.9	M	3.55	--
SEP													
16-16	22.5	--	--	--	--	--	--	--	--	13.0	M	2.18	--
SEP													
16-16	22.9	--	--	--	--	--	--	--	--	8.8	<.02	1.92	--
SEP													
16-16	22.8	--	--	--	--	--	--	--	--	6.5	<.02	1.23	--
SEP													
16-16	22.8	--	--	--	--	--	--	--	--	7.6	<.02	1.40	--

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by analysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
APR													
12-12	4.7	37	.05	.09	.071	.37	<.020	<.100	<.10	.65	--	--	--
APR													
12-12	4.3	36	.05	.09	.067	.51	<.020	<.100	<.10	.99	--	--	--
APR													
12-12	5.0	42	.06	.12	.095	.50	.020	<.100	<.10	1.00	--	--	--
APR													
13-13	5.2	38	.05	.13	.098	.46	<.020	<.100	<.10	.76	--	--	--
APR													
13-13	4.3	34	.05	.15	.115	.41	<.020	<.100	<.10	.78	--	--	--
APR													
13-13	4.5	36	.05	.12	.092	.42	<.020	<.100	<.10	.69	--	--	--
MAY													
31-31	9.7	87	.12	8.81	6.84d	2.09	1.51	<2.50d	<2.50d	17.5d	--	--	--
MAY													
31-31	5.5	46	.06	.05	.040	1.04	<.020	<.100	<.10	2.75	--	--	--
MAY													
31-31	5.3	46	.06	.03	.020	.86	<.020	<.100	<.10	2.10	--	--	--
MAY													
31-31	5.1	46	.06	--	<.020	.78	<.020	<.100	<.10	1.91	--	--	--
MAY													
31-31	5.0	44	.06	--	<.020	.71	<.020	<.100	<.10	1.46	--	--	--
MAY													
31-31	4.5	42	.06	--	<.020	.72	<.020	<.100	<.10	1.58	--	--	--
JUL													
28...	6.7	56	.08	.03	.020	.45	<.010	<.050	<.050	.49	--	--	--
28...	6.8	56	.08	.08	.060	.44	<.010	<.050	<.050	--	590	--	43400
AUG													
02...	6.6	64	.09	--	--	.37	<.010	--	--	--	--	--	--
02...	6.6	64	.09	--	--	.38	<.010	--	--	--	230	310k	13000
11...	7.2	67	.09	--	--	.45	<.010	--	--	--	--	--	--
11...	7.2	67	.09	--	--	.45	<.010	--	--	--	340	1400	14000
SEP													
07-07	4.9	--	--	--	<.020	.36	<.020	<.100	<.10	--	--	--	--
SEP													
07-07	3.5	--	--	--	<.020	.41	<.020	<.100	<.10	--	--	--	--
SEP													
07-07	3.1	--	--	--	<.020	.33	<.020	<.100	<.10	--	--	--	--
SEP													
07-07	2.8	--	--	--	<.020	.30	.020	<.100	<.10	--	--	--	--
SEP													
07-07	3.4	--	--	--	<.020	.34	.020	<.100	<.10	--	--	--	--
13...	7.5	--	--	.04	.030	.49	<.020	<.100	<.10	--	560	280	26200
SEP													
16-16	6.2	--	--	--	<.020	.44	<.020	<.100	<.10	--	--	--	--
SEP													
16-16	5.8	--	--	--	<.020	.43	<.020	<.100	<.10	--	--	--	--
SEP													
16-16	4.2	--	--	--	<.020	.42	.030	<.100	<.10	--	--	--	--
SEP													
16-16	3.1	--	--	--	<.020	.41	<.020	<.100	<.10	--	--	--	--
SEP													
16-16	3.1	--	--	--	<.020	.38	.020	<.100	<.10	--	--	--	--
SEP													
16-16	3.3	--	--	--	<.020	.38	.030	<.100	<.10	--	--	--	--

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
APR 12-12	53.0	180	30
APR 12-12	50.3	150	30
APR 12-12	64.4	180	40
APR 13-13	52.3	110	30
APR 13-13	38.1	150	30
APR 13-13	34.7	110	30
MAY 31-31	83.3	<100	50
MAY 31-31	64.0	<100	30
MAY 31-31	36.4	<100	40
MAY 31-31	24.8	<100	40
MAY 31-31	27.2	<100	40
MAY 31-31	74.7	<100	40
JUL 28...	--	<50	50
28...	--	<50	40
AUG 02...	--	<50	50
02...	--	<50	50
11...	--	<50	50
11...	--	130	50
SEP 07-07	--	--	--
SEP 07-07	--	--	--
SEP 07-07	--	--	--
SEP 07-07	--	--	--
SEP 07-07	--	--	--
13...	--	--	--
SEP 16-16	--	--	--
SEP 16-16	--	--	--
SEP 16-16	--	--	--
SEP 16-16	--	--	--
SEP 16-16	--	--	--
SEP 16-16	--	--	--

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)
OCT													
22...	1026	9	80020	.80	2.8	755	9.3	7.2	106	15.5	2	<.04	<.8
22...	1051	9	80020	.81	2.7	755	9.3	7.2	106	15.5	2	<.04	<.8
NOV													
05-05	2028	J	80020	1.79	100	--	6.3	6.8	89	19.4	14	<.04	<.8
NOV													
05-05	2113	J	80020	2.22	130	--	6.5	6.8	89	19.1	12	<.04	<.8
NOV													
18-18	2234	J	80020	4.72	320	--	6.8	6.6	63	17.4	44	<.04	<.8
NOV													
19-19	0304	J	80020	9.93	460	--	6.9	6.5	44	17.7	50	<.04	<.8
NOV													
19-19	0349	J	80020	9.72	470	--	6.9	6.4	41	17.8	35	<.04	E.4n
DEC													
10-10	0851	J	80020	2.26	110	744	10.6	7.6	78	10.5	11	<.04	<.8
DEC													
10-10	0931	J	80020	2.52	190	744	10.6	7.2	74	11.0	20	<.04	<.8
DEC													
10-10	1101	J	80020	3.32	160	744	10.6	7.1	66	10.5	20	<.04	<.8
DEC													
10-10	1131	J	80020	3.50	190	744	10.7	7.0	64	10.5	33	<.04	<.8
DEC													
10-10	1321	J	80020	4.09	280	744	10.4	7.0	51	11.0	39	<.04	<.8
DEC													
10-10	1331	J	80020	4.02	280	744	10.4	7.0	51	11.0	49	<.04	E.4n
DEC													
10-10	1431	J	80020	3.46	260	744	10.5	7.0	52	11.0	23	<.04	<.8
DEC													
10-10	1441	J	80020	3.28	260	744	10.5	7.0	52	11.0	48	<.04	<.8
JAN													
06...	1306	J	80020	1.03	39	745	10.8	7.2	80	9.0	10	<.04	<.8
06...	1326	J	80020	1.02	40	745	10.6	7.1	80	9.0	9	<.04	<.8
22...	1416	9	80020	.86	3.6	746	13.2	7.2	96	6.0	4	<.04	<.8
22...	1431	9	80020	.85	3.6	746	13.2	7.2	96	6.0	4	<.04	<.8
FEB													
04...	1221	9	80020	1.03	17	752	14.0	6.9	93	6.0	6	<.04	<.8
04...	1251	9	80020	1.02	18	752	14.1	6.9	99	6.0	9	<.04	<.8
MAR													
03...	1301	9	80020	.96	6.3	751	10.7	7.4	111	15.0	5	<.04	<.8
03...	1331	9	80020	.96	7.2	751	10.8	7.3	111	15.0	6	<.04	<.8
JUL													
28...	1326	9	80020	.88	19	751	7.7	7.2	93	25.5	6	<.04	<.8
28...	1331	9	80020	.88	9.6	751	8.0	7.2	94	25.5	6	<.04	<.8
AUG													
02...	1026	9	80020	.65	5.0	748	7.5	7.3	103	26.0	3	<.04	<.8
02...	1031	9	80020	.65	4.5	748	7.5	7.3	103	26.0	8	<.04	<.8
11...	1156	9	80020	.69	4.5	--	7.9	7.2	111	22.5	2	<.04	<.8
11...	1201	9	80020	.69	4.6	--	7.9	7.2	111	23.0	3	<.04	<.8
SEP													
07-07	0306	J	80020	1.60	140	--	7.3	7.3	93	22.6	17	<.04	<.8
SEP													
07-07	0350	J	80020	2.77	190	--	7.6	7.2	68	22.5	40	<.04	<.8
SEP													
07-07	0605	J	80020	9.07	1700	--	7.4	7.2	41	22.5	31	<.04	<.8
SEP													
07-07	0820	J	80020	9.81	480	--	7.5	7.1	34	22.3	13	<.04	<.8
SEP													
07-07	1035	J	80020	7.45	470	--	7.3	7.2	41	22.2	46	<.04	E.4n
13...	1146	9	80020	.72	5.7	752	8.2	7.0	98	22.5	6	E.04n	<.8
SEP													
16-16	1423	J	80020	3.04	120	--	7.6	9.0	84	22.0	22	<.04	<.8
SEP													
16-16	1507	J	80020	4.88	500	--	7.4	9.0	75	22.2	23	<.04	<.8
SEP													
16-16	1552	J	80020	6.16	1400	--	7.5	8.9	53	22.5	45	<.04	<.8
SEP													
16-16	1807	J	80020	12.80	620	--	7.8	8.5	40	22.9	54	<.04	<.8
SEP													
16-16	2022	J	80020	13.60	710	--	7.4	8.4	38	22.8	40	<.04	<.8
SEP													
16-16	2152	J	80020	14.90	700	--	7.3	8.3	34	22.8	31	<.04	.8

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT						
22...	.5	<.08	87.9	.48	<.2	2.0
22...	.6	<.08	87.4	.61	<.2	2.1
NOV						
05-05	2.7	.13	5.8	.56	<.2	4.5
NOV						
05-05	1.8	.13	2.0	.43	<.2	3.2
NOV						
18-18	2.6	.40	12.7	.60	<.2	5.9
NOV						
19-19	2.2	.34	29.6	.50	<.2	5.8
NOV						
19-19	1.9	.40	47.5	.47	<.2	4.6
DEC						
10-10	2.6	.16	44.4	.45	<.2	7.1
DEC						
10-10	2.3	.23	54.7	.48	<.2	7.0
DEC						
10-10	2.7	.22	36.8	.46	<.2	7.1
DEC						
10-10	2.8	.27	36.5	.47	<.2	6.7
DEC						
10-10	2.4	.71	47.9	.48	<.2	10.2
DEC						
10-10	2.4	.78	49.2	.48	<.2	9.6
DEC						
10-10	2.2	.39	42.8	.46	<.2	8.0
DEC						
10-10	2.3	.58	45.4	.48	<.2	8.0
JAN						
06...	1.6	.15	55.0	.59	<.2	6.3
06...	1.5	.15	59.3	.67	<.2	5.8
22...	.7	E.05n	154	.47	<.2	5.3
22...	.7	E.06n	150	.45	<.2	4.9
FEB						
04...	1.2	.12	107	.51	<.2	8.8
04...	1.5	.19	108	.55	<.2	9.7
MAR						
03...	1.2	.09	112	.64	<.2	5.6
03...	1.2	.09	115	.60	<.2	5.4
JUL						
28...	2.1	E.07n	63.1	.55	<.2	3.6
28...	2.1	E.07n	68.9	.55	<.2	2.0
AUG						
02...	1.3	<.08	102	.49	<.2	1.9
02...	1.2	<.08	102	.46	<.2	1.8
11...	1.0	<.08	172	.47	<.2	2.6
11...	1.1	E.04n	192	.52	<.2	2.7
SEP						
07-07	2.7	.17	63.2	.86	<.2	5.6
SEP						
07-07	4.4	.36	43.1	.56	<.2	5.1
SEP						
07-07	2.2	.38	55.4	.68	<.2	4.2
SEP						
07-07	2.2	.22	68.4	.49	<.2	3.4
SEP						
07-07	2.4	.34	54.2	.69	<.2	3.5
13...	2.6	.39	27.7	1.07	<.2	5.0
SEP						
16-16	2.5	.10	10.7	.49	<.2	3.6
SEP						
16-16	3.1	.28	11.0	.53	<.2	4.4
SEP						
16-16	3.4	.37	7.6	.52	<.2	5.3
SEP						
16-16	2.2	.27	25.4	.40	<.2	3.2
SEP						
16-16	2.0	.30	40.7	.43	<.2	3.2
SEP						
16-16	2.1	.26	44.3	.45	<.2	3.3

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)
OCT													
22...	1051	--	80020	.81	2.7	755	9.3	94	7.2	106	15.5	<.5	<.5
NOV													
05-05	2022	2027	80020	1.57	100	--	6.4	--	6.9	90	19.4	<.5	<.5
NOV													
19-19	1035	1037	80020	2.84	250	--	7.0	--	6.6	60	17.0	M	<.5
DEC													
10-10	0931	1021	80020	2.52	190	744	10.6	98	7.2	74	11.0	<.5	<.5
DEC													
10-10	1131	1201	80020	3.50	190	744	10.7	98	7.0	64	10.5	<.5	<.5
DEC													
10-10	1331	1411	80020	4.02	280	744	10.4	97	7.0	51	11.0	<.5	<.5
DEC													
10-10	1441	1521	80020	3.28	260	744	10.5	98	7.0	52	11.0	<.5	<.5
JAN													
06...	1326	--	80020	1.02	40	745	10.6	90	7.1	80	9.0	<.5	<.5
22...	1431	--	80020	.85	3.6	746	13.2	108	7.2	96	6.0	E.1	<.5
FEB													
04...	1251	--	80020	1.02	18	752	14.1	115	6.9	99	6.0	<.5	<.5
MAR													
03...	1331	--	80020	.96	7.2	751	10.8	109	7.3	111	15.0	<.5	<.5
JUL													
28...	1331	--	80020	.88	9.6	751	8.0	99	7.2	94	25.5	<.5	<.5
AUG													
02...	1031	--	80020	.65	4.5	748	7.5	94	7.3	103	26.0	<.5	<.5
11...	1201	--	80020	.69	4.6	--	7.9	--	7.2	111	23.0	<.5	<.5
SEP													
13...	1146	--	80020	.72	5.7	752	8.2	96	7.0	98	22.5	<.5	<.5

Date	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
22...	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	<.5
NOV													
05-05	<.5	<.5	E1	M	<5	<1	<1	E2	<1	<2	E.1	E.1	<.5
NOV													
19-19	<.5	<.5	M	M	<5	<1	<1	E2	<1	<2	E.1	E.1	<.5
DEC													
10-10	<.5	<.5	M	<1	<5	<1	<1	E2	<1	<2	E.2	E.2	<.5
DEC													
10-10	<.5	<.5	E1	<1	<5	<1	<1	E2	<1	<2	E.2	E.2	E.1
DEC													
10-10	<.5	<.5	M	<1	<5	<1	<1	E2	<1	<2	E.3	E.2	E.1
DEC													
10-10	<.5	<.5	M	<1	<5	<1	<1	E2	<1	<2	E.2	E.2	E.1
JAN													
06...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	E.1	<.5	E.1
22...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
FEB													
04...	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
MAR													
03...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	M
JUL													
28...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.1t	<.5	E.1t
AUG													
02...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5
11...	<.5	<.5	E1t	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1t
SEP													
13...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Anthracene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)
OCT													
22...	<.5	<.5	<.5	<2	<2	<1	E.4	E.1	<.5	<1	<.5	<.5	<2
NOV													
05-05	<.5	<.5	<.5	E2	E2	M	<.5	.7	E.1	M	<.5	<.5	E2
NOV													
19-19	M	<.5	E.1	M	E1	<1	<.5	E.2	<.5	<1	M	<.5	E1
DEC													
10-10	<.5	<.5	<.5	<2	<2	<1	<.5	1.9	<.5	<1	<.5	<.5	E2
DEC													
10-10	<.5	<.5	<.5	<2	<2	<1	<.5	1.0	<.5	<1	<.5	<.5	E2
DEC													
10-10	<.5	<.5	E.1	<2	<2	<1	<.5	.8	E.1	<1	E.1	<.5	E2
DEC													
10-10	<.5	<.5	E.1	<2	<2	M	<.5	.7	E.1	<1	E.1	<.5	E1
JAN													
06...	<.5	<.5	E.1	<2	<2	M	<.5	E.3	<.5	<1	M	<.5	<2
22...	<.5	<.5	E.1	<2	<2	<1	<.5	E.4	<.5	<1	<.5	<.5	E1
FEB													
04...	<.5	<.5	E.1	<2	<2	<1	<.5	E.2	<.5	<1	<.5	<.5	<2
MAR													
03...	<.5	<.5	<.5	<2	<2	<1	<.5	.6	<.5	<1	<.5	<.5	<2
JUL													
28...	<.5	<.5	<.5	<2	<2	<1	<.5	E.2t	Mt	<1	Mt	<.5	<2
AUG													
02...	<.5	<.5	<.5	<2	<2	<1	<.5	E.1t	Mt	<1	<.5	<.5	<2
11...	<.5	<.5	<.5	E1t	Mt	<1	<.5	.8	Mt	<1	<.5	<.5	3
SEP													
13...	<.5	<.5	<.5	<2	<2	<1	<.5	E.1t	<.5	<1	<.5	<.5	<2

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
22...	<1.00	E.1	<.5	<5	<1	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5
NOV													
05-05	<1.00	E.2	<.5	E8	M	<.5	E1	M	<.5	M	<.5	M	<.5
NOV													
19-19	<1.00	E.1	<.5	E6	M	<.5	<1	M	<.5	<.5	<.5	M	<.5
DEC													
10-10	<1.00	E.2	<.5	<5	<1	<.5	<1	E.1	<.5	<.5	<.5	<.5	<.5
DEC													
10-10	<1.00	E.2	<.5	<5	M	<.5	<1	<.5	E.1	<.5	<.5	<.5	<.5
DEC													
10-10	<1.00	E.2	<.5	<5	<1	<.5	<1	E.1	E.1	<.5	<.5	<.5	<.5
DEC													
10-10	<1.00	E.1	<.5	<5	<1	<.5	<1	E.1	M	<.5	<.5	<.5	<.5
JAN													
06...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	M	<.5
22...	<1.00	E.1	<.5	E2	<1	<.5	<1	<.5	E.1	<.5	<.5	M	<.5
FEB													
04...	<1.00	E.1	<.5	E2	<1	<.5	M	<.5	<.5	<.5	<.5	M	<.5
MAR													
03...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
28...	<1.00	E.4t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5	<.5
AUG													
02...	<1.00	E.2t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5	<.5
11...	<1.00	E.2t	<.5	E2t	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
SEP													
13...	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)
OCT													
22...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5
NOV													
05-05	<.5	<.5	E.1	M	<.5	<.5	M	<2	M	E.2	<.5	M	<.5
NOV													
19-19	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	M	E.4	<.5	M	<.5
DEC													
10-10	<.5	E.3	<.5	<.5	<.5	<.5	M	<2	M	E.3	<.5	<.5	<.5
DEC													
10-10	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	M	E.4	<.5	<.5	<.5
DEC													
10-10	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	E.1	E.3	<.5	M	<.5
DEC													
10-10	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	E.1	<.5	<.5	M	<.5
JAN													
06...	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	M	<.5	<.5	M	<.5
22...	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.4	<.5	<.5	E.1
FEB													
04...	<.5	E.2	<.5	E.1	<.5	M	<1	<2	<.5	<.5	<.5	<.5	<.5
MAR													
03...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	.7	<.5	<.5	M
JUL													
28...	<.5	<.5	<.5	Mt	<.5	<.5	<1	<2	<.5	.7	<.5	Mt	Mt
AUG													
02...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	Mt	E.2t	<.5	Mt	Mt
11...	<.5	E.2t	<.5	<.5	<.5	<.5	<1	<2	<.5	E.4t	<.5	<.5	<.5
SEP													
13...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	E.1t

Date	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT									
22...	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
NOV									
05-05	<.5	E.2	M	<.5	E.1	E1.1	E.1	E.1	<1.00
NOV									
19-19	<.5	E.1	<1	<.5	E.1	E.3	E.1	E.1	<1.00
DEC									
10-10	<.5	E.1	<1	<.5	<.5	<.5	<.5	<.5	<1.00
DEC									
10-10	<.5	E.1	<1	<.5	<.5	<.5	<.5	<.5	<1.00
DEC									
10-10	<.5	E.1	<1	<.5	<.5	<.5	<.5	<.5	<1.00
DEC									
10-10	<.5	E.1	<1	<.5	<.5	<.5	<.5	<.5	<1.00
JAN									
06...	<.5	E.1	M	<.5	M	E.4	E.1	E.1	<1.00
22...	<.5	E.1	M	<.5	<.5	E.3	<.5	E.1	<1.00
FEB									
04...	<.5	E.1	<1	<.5	E.1	.7	E.1	<.5	<1.00
MAR									
03...	<.5	<.5	<1	<.5	<.5	<.5	E.1	E.1	<1.00
JUL									
28...	<.5	E.1t	<1	<.5	<.5	.8	E.2t	E.1t	--u
AUG									
02...	<.5	Mt	<1	<.5	<.5	<.5	E.2t	E.1t	--u
11...	<.5	<.5	Mt	<.5	<.5	<.5	<.5	<.5	--u
SEP									
13...	<.5	<.5	<1	<.5	<.5	<.5	E.3t	<.5	--u

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
22...	1027	--	1	9	81350	.80	13	2.8	755	9.3	94	7.2	106
NOV													
05-05	2027	2029	1	J	81350	1.79	112	100	--	6.3	--	6.8	89
NOV													
05-05	2112	2114	1	J	81350	2.22	166	130	--	6.5	--	6.8	89
NOV													
19-19	0303	0305	1	J	81350	9.93	1730	460	--	6.9	--	6.5	44
NOV													
19-19	0348	0350	1	J	81350	9.72	1670	470	--	6.9	--	6.4	41
NOV													
19-19	1037	1039	1	J	81350	2.84	264	250	--	7.0	--	6.6	60
DEC													
10-10	0852	0912	1	J	81350	2.26	177	110	744	10.6	97	7.6	78
DEC													
10-10	0932	1022	1	J	81350	2.52	215	190	744	10.6	98	7.2	74
DEC													
10-10	1102	1121	1	J	81350	3.32	339	160	744	10.6	97	7.1	66
DEC													
10-10	1132	1202	1	J	81350	3.50	368	190	744	10.7	98	7.0	64
DEC													
10-10	1322	1407	1	J	81350	4.09	467	280	744	10.4	97	7.0	51
DEC													
10-10	1332	1412	1	J	81350	4.02	455	280	744	10.4	97	7.0	51
DEC													
10-10	1432	1512	1	J	81350	3.46	362	260	744	10.5	98	7.0	52
DEC													
10-10	1442	1522	1	J	81350	3.28	333	260	744	10.5	98	7.0	52
JAN													
06...	1307	--	1	J	81350	1.03	36	39	745	10.8	96	7.2	80
22...	1417	--	1	9	81350	.86	22	3.6	746	13.2	108	7.2	96
FEB													
04...	1222	--	1	9	81350	1.03	36	17	752	14.0	114	6.9	93
MAR													
03...	1332	--	1	9	81350	.96	30	7.2	751	10.8	109	7.3	111
22...	1447	--	1	9	81350	.88	23	4.7	755	11.2	108	7.6	109
JUL													
28...	1327	--	1	9	81350	.88	29	19	751	7.7	96	7.2	93
AUG													
02...	1027	--	1	9	81350	.65	11	5.0	748	7.5	94	7.3	103
11...	1157	--	1	9	81350	.69	13	4.5	--	7.9	--	7.2	111
SEP													
07-07	0307	0309	1	J	81350	1.60	99	140	--	7.3	--	7.3	93
SEP													
07-07	0351	0353	1	J	81350	2.77	255	190	--	7.6	--	7.2	68
SEP													
07-07	0606	0608	1	J	81350	9.07	1520	1700	--	7.4	--	7.2	41
SEP													
07-07	0821	0823	1	J	81350	9.81	1700	480	--	7.5	--	7.1	34
SEP													
07-07	1036	1038	1	J	81350	7.45	1140	470	--	7.3	--	7.2	41
13...	1147	--	1	9	81350	.72	16	5.7	752	8.2	96	7.0	98
SEP													
16-16	1424	1426	1	J	81350	3.04	295	120	--	7.6	--	9.0	84
SEP													
16-16	1508	1510	1	J	81350	4.88	609	500	--	7.4	--	9.0	75
SEP													
16-16	1553	1555	1	J	81350	6.16	860	1400	--	7.5	--	8.9	53
SEP													
16-16	1808	1810	1	J	81350	12.80	2890	620	--	7.8	--	8.5	40
SEP													
16-16	2023	2025	1	J	81350	13.60	3330	710	--	7.4	--	8.4	38
SEP													
16-16	2153	2155	1	J	81350	14.90	4040	700	--	7.3	--	8.3	34

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
22...	15.5	5.6	1.5	9.0	420	1	.4	71	21	34	4.0	35	24
NOV													
05-05	19.4	5.9	3.2	11	530	1	.2	41	21	42	3.2	44	22
NOV													
05-05	19.1	7.0	1.4	6.6	580	2	.2	45	21	33	3.5	43	24
NOV													
19-19	17.7	5.1	.3	3.0	410	1	.2	28	8	16	2.0	25	13
NOV													
19-19	17.8	7.7	.9	5.9	480	2	.4	53	13	28	3.1	45	21
NOV													
19-19	17.0	7.8	.9	7.7	500	2	.4	45	13	44	3.5	39	22
DEC													
10-10	10.5	7.5	2.1	7.3	540	2	.4	58	19	45	3.7	49	26
DEC													
10-10	11.0	7.6	2.2	6.0	520	2	.4	57	19	43	3.7	49	28
DEC													
10-10	10.5	6.4	1.3	5.6	520	2	.3	57	16	34	3.2	36	20
DEC													
10-10	10.5	6.7	1.3	5.7	500	2	.3	46	13	27	2.8	40	21
DEC													
10-10	11.0	7.8	2.1	7.3	530	2	.4	51	16	39	3.6	57	25
DEC													
10-10	11.0	9.1	2.4	8.8	550	2	.4	63	18	45	4.1	74	29
DEC													
10-10	11.0	7.5	1.9	6.6	480	2	.3	50	14	33	3.2	49	22
DEC													
10-10	11.0	4.3	.8	2.7	370	<1	<.1	30	7	13	1.6	23	11
JAN													
06...	9.0	13	3.0	19	520	3	.2	110	31	66	7.7	73	39
22...	6.0	8.3	3.5	17	670	3	<.5	120	21	75	9.2	110	28
FEB													
04...	6.0	11	2.7	21	460	3	.5	110	20	81	8.1	82	35
MAR													
03...	15.0	5.3	6.7	10	370	2	.7	74	24	180	5.8	160	21
22...	13.5	5.7	1.8	11	450	2	.5	95	24	110	6.5	46	25
JUL													
28...	25.5	9.2	1.7	20	450	2	.7	150	17	60	6.1	83	31
AUG													
02...	26.0	5.9	2.4	18	410	2	.9	300	15	150	6.1	66	21
11...	22.5	6.5	2.3	21	470	2	1.0	170	16	220	6.7	60	25
SEP													
07-07	22.6	4.1	.5	2.4	380	1	<.2	29	8	17	1.7	18	11
SEP													
07-07	22.5	5.1	.6	3.6	420	2	<.2	35	10	24	2.2	25	14
SEP													
07-07	22.5	5.4	.5	4.1	410	2	.1	35	10	18	2.3	27	15
SEP													
07-07	22.3	4.4	.4	4.2	370	1	<.1	29	7	12	1.8	23	11
SEP													
07-07	22.2	6.6	.7	6.1	470	2	<.2	45	12	24	2.9	32	19
13...	22.5	7.2	1.3	16	470	2	<.2	540	18	49	6.1	42	28
SEP													
16-16	22.0	5.7	1.4	5.0	480	2	<.2	50	13	28	2.6	31	21
SEP													
16-16	22.2	4.9	.7	3.4	420	2	<.2	34	10	17	2.0	26	14
SEP													
16-16	22.5	5.8	1.0	4.4	450	2	<.2	39	11	23	2.5	30	15
SEP													
16-16	22.9	5.5	.5	4.4	400	2	<.2	37	9	20	2.4	27	16
SEP													
16-16	22.8	8.2	1.0	8.3	470	2	<.2	52	13	31	3.6	42	25
SEP													
16-16	22.8	8.1	.9	7.8	470	2	.2	59	14	29	3.5	45	24

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
22...	3500	.10	9	49	M	1	220	<50	.260	65	210	<50	2
NOV													
05-05	4000	<.01	8	25	1	2	170	<50	.400	71	260	<50	131
NOV													
05-05	4400	<.01	4	24	M	1	100	<50	.510	82	250	<50	435
NOV													
19-19	570	<.02	<1	12	M	<1	70	<100	.330	52	93	<100	3360
NOV													
19-19	750	.02	3	22	M	<.5	80	<50	.500	78	190	<50	1070
NOV													
19-19	900	--o	3	25	M	<1	130	<100	.490	87	160	<100	211
DEC													
10-10	2000	<.01	3	29	M	M	65	<50	.460	85	220	<50	230
DEC													
10-10	1700	.05	2	30	M	<.5	66	<50	.480	86	230	<50	120
DEC													
10-10	2200	<.01	3	27	M	M	76	<50	.440	74	220	<50	84
DEC													
10-10	1400	<.01	2	22	M	M	70	<50	.420	69	170	<50	363
DEC													
10-10	1700	<.01	2	23	M	<.5	62	<50	.490	85	240	<50	546
DEC													
10-10	1800	<.01	3	30	M	<.5	61	<50	.500	99	270	<50	320
DEC													
10-10	1300	.02	2	23	M	<.5	68	<50	.440	81	220	<50	407
DEC													
10-10	630	<.01	1	13	M	<.5	82	<50	.250	43	89	<50	988
JAN													
06...	4000	.07	5	52	1	<.5	50	<100	.520	150	510	<100	10
22...	2600	--o	6	47	1	<2	88	<250	.420	110	500	<250	1
FEB													
04...	1900	.09	6	48	1	<1	64	<100	.410	140	440	<100	5
MAR													
03...	2900	--o	4	32	1	<1	40	<100	.290	72	310	<100	3
22...	4100	--o	7	53	1	<1	120	<100	.340	89	480	<100	2
JUL													
28...	1800	.15	11	74	1	<1	120	<100	.460	120	330	<100	4
AUG													
02...	2500	--o	26	140	1	<1	280	<100	.300	82	310	<100	1
11...	2200	--o	17	110	1	2	250	<50	.340	89	270	<50	1
SEP													
07-07	770	<.02	<2	13	M	<1	120	<100	.320	43	80	<100	574
SEP													
07-07	970	<.02	<2	14	M	<1	99	<100	.380	55	110	<100	1120
SEP													
07-07	680	.01	M	14	M	M	88	<50	.400	59	92	<50	2320
SEP													
07-07	440	<.02	1	10	M	<.5	85	<50	.340	47	64	<50	2830
SEP													
07-07	680	<.02	2	20	M	<1	86	<100	.530	75	110	<100	935
13...	1800	<.02	61	270	1	<1	190	<100	.520	100	220	<100	2
SEP													
16-16	1300	--o	3	21	M	<1	130	<100	.520	66	140	<100	275
SEP													
16-16	890	.04	<2	15	M	<1	93	<100	.410	54	92	<100	1220
SEP													
16-16	900	.02	2	16	M	<1	95	<100	.470	65	110	<100	1000
SEP													
16-16	510	.04	<2	16	M	<1	82	<100	.400	60	73	<100	1650
SEP													
16-16	640	.07	2	24	M	<1	77	<100	.560	93	130	<100	801
SEP													
16-16	670	.07	2	26	M	<1	83	<100	.540	93	120	<100	888

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified
Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference
Value qualifier codes used in this table:
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   t -- Below the long-term MDL

APALACHICOLA RIVER BASIN
2004 Water Year

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°51'35", long 84°25'28", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, at bridge on Randall Mill Road, 1.0 miles downstream of Nancy Creek Tributary, 0.5 miles east of US 41, and 0.6 miles north of West Paces Ferry Road.

DRAINAGE AREA.—34.8 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 18, 1976 to August 30, 1977, June 17, 1993 to July 26, 1995, September 4, 2003 current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
14...	1115	9	9	81345	--	45	5.2	746	8.8	97	7.2	106	20.0
14...	1140	9	9	81345	--	45	4.0	746	8.8	97	7.2	106	20.0
JAN													
06...	1005	9	J	81345	1.21	45	73	745	10.1	87	7.2	78	9.0
06...	1040	9	J	81345	1.21	45	73	745	10.1	87	7.1	78	9.0
22...	1300	9	9	81345	1.07	28	4.2	748	13.3	107	7.2	113	5.5
22...	1315	9	9	81345	1.07	28	4.4	748	13.2	107	7.2	113	5.5
FEB													
04...	1115	9	9	81345	1.18	42	18	749	13.4	108	6.9	105	5.5
04...	1135	9	9	81345	1.18	42	17	749	13.3	107	6.9	105	5.5
MAR													
04...	1025	9	9	81345	1.10	34	6.2	748	9.7	98	7.3	122	15.0
04...	1100	9	9	81345	1.10	34	6.0	749	9.8	99	7.1	122	15.0
22...	1200	9	9	81345	.94	24	5.1	756	11.3	106	7.6	123	12.0
22...	1215	9	9	81345	.94	24	5.1	756	11.3	106	7.6	123	12.0
APR													
05...	1230	9	9	81345	.97	29	5.5	750	10.7	107	7.4	126	14.5
05...	1325	9	9	81345	.97	29	5.5	750	10.7	107	7.4	126	14.5
MAY													
05...	1045	9	9	81345	.85	19	4.2	748	9.1	94	7.3	132	16.0
05...	1100	9	9	81345	.85	19	5.2	748	9.1	94	7.3	132	16.0
18...	1125	9	9	81345	.88	22	15	754	7.8	88	7.2	117	21.0
18...	1130	9	9	81345	.88	22	14	754	7.8	88	7.1	117	21.0
JUN													
09...	1130	9	9	81345	.85	18	4.0	751	7.8	91	7.3	127	22.5
09...	1135	9	9	81345	.85	18	3.9	751	7.8	91	7.3	127	22.5
JUL													
14...	1010	9	9	81345	.66	9.4	9.0	746	7.5	92	7.4	174	24.5
14...	1015	9	9	81345	.66	9.4	2.4	746	7.5	92	7.4	174	24.5
AUG													
04...	0840	9	9	81345	.63	9.8	3.0	747	6.8	84	7.1	147	25.0
04...	0845	9	9	81345	.63	9.8	3.0	747	6.8	84	7.1	147	25.0

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA—continued.

Date	Hard-ness, water, mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
OCT													
14...	34	4	9.60	2.37	2.81	.5	6.16	26	29.4	M	6.97	13.0	7.5
14...	33	4	9.39	2.29	2.74	.4	5.67	25	29.4	<.02	6.94	13.2	7.6
JAN													
06...	33	4	9.08	2.51	2.46	.3	4.25	20	28.9	M	6.87	12.1	5.7
06...	24	5	6.83	1.63	2.56	.3	2.96	19	19.3	<.02	4.29	6.98	4.9
22...	13	3	3.97	.79	1.97	.2	1.39	16	10.5	<.02	1.93	3.10	4.1
22...	16	3	4.66	.98	2.19	.2	1.77	17	12.5	<.02	2.31	3.76	4.6
FEB													
04...	32	5	9.25	2.08	2.60	.4	5.33	25	26.8	<.02	8.47	10.8	8.2
04...	32	6	9.23	2.10	2.61	.4	5.49	25	25.6	<.02	7.70	10.8	7.9
MAR													
04...	44	11	13.2	2.53	2.87	.5	7.14	25	32.3	<.02	9.46	11.5	9.4
04...	43	11	13.1	2.52	2.83	.5	6.82	24	32.4	<.02	9.53	11.8	9.4
22...	42	7	12.4	2.75	2.81	.5	7.09	25	35.9	<.02	8.74	13.0	8.9
22...	41	5	12.1	2.64	2.74	.5	7.05	26	35.9	<.02	8.90	12.4	8.9
APR													
05...	41	6	12.0	2.69	2.69	.5	6.91	25	35.4	M	7.80	13.4	10.9
05...	42	7	12.1	2.81	2.69	.5	6.99	25	35.2	M	7.81	13.9	10.9
MAY													
05...	45	4	13.6	2.71	3.20	.5	7.33	24	41.4	.1	7.70	16.7	8.8
05...	47	6	13.9	2.95	2.77	.4	6.67	22	41.5	.1	7.77	16.9	8.8
18...	36	1	10.6	2.31	3.04	.4	5.76	24	34.9	.1	6.06	13.4	7.0
18...	41	6	12.4	2.45	3.15	.4	6.24	23	34.9	M	6.07	14.4	7.0
JUN													
09...	43	4	13.0	2.49	2.99	.4	6.69	24	38.5	M	7.65	14.5	7.0
09...	39	1	12.0	2.27	2.87	.4	6.45	25	38.0	M	7.63	13.4	7.0
JUL													
14...	50	--	14.8	3.11	3.12	.5	7.63	24	51.5	.1	7.7	12.8	7.4
14...	51	--	15.3	3.04	3.18	.5	7.86	24	51.5	.1	7.7	13.0	7.4
AUG													
04...	45	7	13.5	2.70	3.52	.5	7.21	24	37.5	.1	7.1	14.1	15.2
04...	48	11	14.6	2.81	3.60	.5	7.61	24	37.6	.1	7.0	14.4	15.5

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA—continued.

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
OCT													
14...	68	.09	--	<.020	.44	<.020	--	<.100	<.10	.65	--	--	--
14...	67	.09	--	<.020	.43	<.020	--	<.100	<.10	.61	210	190k	5760
JAN													
06...	65	.09	.13	.102	.96	<.020	--	<.100	.11	.77	3400	1400	>242000k
06...	45	.06	.11	.085	.74	<.020	--	<.100	<.10	.73	--	--	--
22...	27	.04	1.16	.902	.49	<.020	--	<.100	<.10	.14	--	--	--
22...	31	.04	.19	.147	.52	<.020	.432	.141	.12	.75	150	73	1200
FEB													
04...	66	.09	.14	.106	.73	<.020	--	<.100	<.10	1.06	2400	500	16000
04...	65	.09	.13	.102	.73	<.020	--	<.100	<.10	1.05	--	--	--
MAR													
04...	79	.11	.06	.050	.66	<.020	--	<.100	<.10	.71	--	--	--
04...	79	.11	.05	.040	.66	<.020	--	<.100	<.10	.80	240	210	2700
22...	79	.11	--	<.020	.45	<.020	--	<.100	<.10	.54	--	--	--
22...	79	.11	--	<.020	.44	<.020	--	<.100	<.10	.46	200euy	14k	4930euy
APR													
05...	80	.11	.03	.020	.45	<.020	--	<.100	<.10	.59	--	--	--
05...	81	.11	.03	.020	.45	<.020	--	<.100	<.10	.62	79	60	1600
MAY													
05...	88	.12	--	<.020	.53	.020	--	<.100	<.10	.63	280	190	3100
05...	88	.12	--	<.020	.54	<.020	--	<.100	<.10	.84	--	--	--
18...	72	.10	.05	.041	.52	.020	--	<.100	<.10	.63	1000	2500	160000
18...	75	.10	.07	.051	.53	.020	--	<.100	<.10	.90	--	--	--
JUN													
09...	80	.11	.04	.030	.53	<.020	--	<.100	<.10	.72	270	280	13000
09...	77	.10	--	<.020	.50	<.020	--	<.100	<.10	.70	--	--	--
JUL													
14...	90	.12	.04	.030	.51	<.010	--	<.050	<.050	--	--	--	--
14...	91	.12	.04	.030	.50	<.010	--	<.050	<.050	.50	200	250	5900
AUG													
04...	88	.12	--	--	.45	<.010	--	--	--	--	--	--	--
04...	90	.12	--	--	.45	<.010	--	--	--	--	140	320	10000

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT			
14...	<50.0	<100	50
14...	<50.0	<100	50
JAN			
06...	21.9	<100	50
06...	41.0	<100	30
22...	29.1	<100	20
22...	30.6	<100	20
FEB			
04...	29.1	120	50
04...	38.3	140	50
MAR			
04...	41.3	120	60
04...	28.4	130	70
22...	49.8	100	80
22...	42.0	150	70
APR			
05...	33.0	<100	70
05...	27.4	<100	70
MAY			
05...	35.0	210	80
05...	47.8	210	80
18...	38.4	<100	60
18...	35.3	<100	70
JUN			
09...	34.5	<100	80
09...	37.0	<100	80
JUL			
14...	--	<50	90
14...	--	<50	90
AUG			
04...	--	<50	80
04...	--	<50	90

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
14...	1116	9	80020	--	45	5.2	746	8.8	7.2	106	20.0	3	<.04
14...	1141	9	80020	--	45	4.0	746	8.8	7.2	106	20.0	3	<.04
JAN													
06...	1006	J	80020	1.21	45	73	745	10.1	7.2	78	9.0	12	<.04
06...	1041	J	80020	1.21	45	73	745	10.1	7.1	78	9.0	8	<.04
22...	1301	9	80020	1.07	28	4.2	748	13.3	7.2	113	5.5	4	<.04
22...	1316	9	80020	1.07	28	4.4	748	13.2	7.2	113	5.5	4	<.04
FEB													
04...	1116	9	80020	1.18	42	18	749	13.4	6.9	105	5.5	9	<.04
04...	1136	9	80020	1.18	42	17	749	13.3	6.9	105	5.5	8	<.04
MAR													
04...	1026	9	80020	1.10	34	6.2	748	9.7	7.3	122	15.0	5	<.04
04...	1101	9	80020	1.10	34	6.0	749	9.8	7.1	122	15.0	6	<.04
22...	1201	9	80020	.94	24	5.1	756	11.3	7.6	123	12.0	5	<.04
22...	1216	9	80020	.94	24	5.1	756	11.3	7.6	123	12.0	5	<.04
APR													
05...	1231	9	80020	.97	29	5.5	750	10.7	7.4	126	14.5	4	<.04
05...	1326	9	80020	.97	29	5.5	750	10.7	7.4	126	14.5	4	<.04
MAY													
05...	1046	9	80020	.85	19	4.2	748	9.1	7.3	132	16.0	11	<.04
05...	1101	9	80020	.85	19	5.2	748	9.1	7.3	132	16.0	11	<.04
18...	1126	9	80020	.88	22	15	754	7.8	7.2	117	21.0	5	<.04
18...	1131	9	80020	.88	22	14	754	7.8	7.1	117	21.0	5	<.04
JUN													
09...	1131	9	80020	.85	18	4.0	751	7.8	7.3	127	22.5	5	<.04
09...	1136	9	80020	.85	18	3.9	751	7.8	7.3	127	22.5	5	<.04
JUL													
14...	1011	9	80020	.66	9.4	9.0	746	7.5	7.4	174	24.5	4	<.04
14...	1016	9	80020	.66	9.4	2.4	746	7.5	7.4	174	24.5	4	<.04
AUG													
04...	0841	9	80020	.63	9.8	3.0	747	6.8	7.1	147	25.0	3	<.04
04...	0846	9	80020	.63	9.8	3.0	747	6.8	7.1	147	25.0	3	<.04

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
14...	<.8	.8	<.08	70.9	.45	<.2	3.4
14...	<.8	.8	<.08	68.5	.39	<.2	1.6
JAN							
06...	<.8	1.6	.22	29.0	.51	<.2	5.3
06...	<.8	1.7	.14	17.0	.49	<.2	4.5
22...	<.8	.7	E.06n	106	.52	<.2	4.4
22...	<.8	.7	E.07n	107	.49	<.2	5.2
FEB							
04...	<.8	1.3	.21	67.7	.51	<.2	8.0
04...	<.8	1.3	.19	67.4	.50	<.2	7.9
MAR							
04...	<.8	1.1	E.08n	84.4	.61	<.2	4.1
04...	<.8	1.1	E.08n	85.4	.61	<.2	4.4
22...	<.8	1.0	.08	94.4	.54	<.2	3.4
22...	<.8	1.0	.10	94.4	.58	<.2	3.4
APR							
05...	<.8	.9	E.04n	83.6	.49	<.2	2.5
05...	<.8	1.0	E.05n	81.5	.50	<.2	2.4
MAY							
05...	<.8	1.2	.13	90.3	.63	<.2	2.4
05...	<.8	1.0	.13	88.9	.61	<.2	5.6
18...	<.8	2.0	.16	81.7	.83	<.2	2.3
18...	<.8	2.0	.14	81.4	.69	<.2	4.1
JUN							
09...	<.8	1.2	E.04n	81.4	.38	<.2	2.3
09...	<.8	1.3	E.05n	80.3	.36	<.2	1.6
JUL							
14...	<.8	.8	<.08	134	.60	<.2	2.0
14...	<.8	.9	<.08	140	.65	<.2	1.0
AUG							
04...	<.8	1.1	<.08	133	.45	<.2	2.7
04...	<.8	1.1	<.08	133	.46	<.2	1.6

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)
OCT													
14...	1141	80020	--	45	4.0	746	8.8	97	7.2	106	20.0	<.5	<.5
JAN													
06...	1006	80020	1.21	45	73	745	10.1	87	7.2	78	9.0	<.5	<.5
22...	1316	80020	1.07	28	4.4	748	13.2	107	7.2	113	5.5	E.1	<.5
FEB													
04...	1116	80020	1.18	42	18	749	13.4	108	6.9	105	5.5	<.5	<.5
MAR													
04...	1101	80020	1.10	34	6.0	749	9.8	99	7.1	122	15.0	<.5	<.5
22...	1216	80020	.94	24	5.1	756	11.3	106	7.6	123	12.0	<.5	<.5
APR													
05...	1326	80020	.97	29	5.5	750	10.7	107	7.4	126	14.5	<.5	M
MAY													
05...	1046	80020	.85	19	4.2	748	9.1	94	7.3	132	16.0	<.5	<.5
18...	1126	80020	.88	22	15	754	7.8	88	7.2	117	21.0	<.5	<.5
JUN													
09...	1131	80020	.85	18	4.0	751	7.8	91	7.3	127	22.5	<.5	<.5
JUL													
14...	1016	80020	.66	9.4	2.4	746	7.5	92	7.4	174	24.5	<.5	<.5
AUG													
04...	0846	80020	.63	9.8	3.0	747	6.8	84	7.1	147	25.0	<.5	<.5

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA—continued.

Date	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
14...	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	<.5
JAN													
06...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	E.1	<.5	E.1
22...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
FEB													
04...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.1	E.1	E.1
MAR													
04...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	M
22...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	E.1	M
APR													
05...	M	M	<2	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	M
MAY													
05...	<.5	<.5	<2	<1	<5	<1	<1	E2	<1	<2	<.5	<.5	E.1
18...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.2	<.5	E.1
JUN													
09...	<.5	<.5	<2	<1	<5	<1	<1	<5	M	<2	E.1	<.5	M
JUL													
14...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	Mt	<.5	<.5	<.5
AUG													
04...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5

Date	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)
OCT													
14...	<.5	<.5	<.5	<2	<2	<1	E.4	E.1	<.5	<1	<.5	<.5	<2
JAN													
06...	<.5	<.5	E.1	<2	<2	M	<.5	E.3	<.5	<1	M	<.5	<2
22...	<.5	<.5	E.1	<2	<2	<1	<.5	E.5	<.5	<1	<.5	<.5	M
FEB													
04...	<.5	<.5	E.1	<2	<2	<1	<.5	E.3	<.5	<1	<.5	<.5	<2
MAR													
04...	<.5	<.5	<.5	<2	<2	<1	<.5	E.4	<.5	<1	<.5	<.5	<2
22...	<.5	<.5	<.5	<2	<2	<1	<.5	E.2	<.5	<1	<.5	<.5	M
APR													
05...	<.5	<.5	M	<2	<2	<1	<.5	E.1	M	<1	<.5	<.5	M
MAY													
05...	<.5	<.5	<.5	<2	<2	<1	1.0	E.1	E.1	<1	E.1	<.5	<2
18...	<.5	<.5	E.1	E1	<2	<1	3.3	.5	<.5	<1	E.1	<.5	E1
JUN													
09...	M	<.5	<.5	<2	<2	<1	.5	E.1	M	M	<.5	<.5	<2
JUL													
14...	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	Mt	<1	<.5	<.5	<2
AUG													
04...	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<.5	<1	<.5	<.5	<2

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA—continued.

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
14...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	M	<.5
JAN													
06...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	M	<.5
22...	<1.00	E.1	<.5	E2	<1	<.5	<1	<.5	E.1	<.5	<.5	M	<.5
FEB													
04...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	E.1	<.5	<.5	<.5	<.5
MAR													
04...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
22...	<1.00	M	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
APR													
05...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	E.1	<.5	<.5	<.5	<.5
MAY													
05...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	E.1	<.5
18...	<1.00	E.2	<.5	<5	<1	<.5	<1	E.1	<.5	<.5	<.5	<.5	<.5
JUN													
09...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	M	<.5
JUL													
14...	<1.00	E.2t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5	<.5
AUG													
04...	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5

Date	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
14...	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.2	<.5	<.5	<.5
JAN													
06...	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	M	<.5	<.5	M	<.5
22...	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	1.2	<.5	<.5	E.1
FEB													
04...	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	M	M
MAR													
04...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	.8	<.5	<.5	<.5
22...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	.9	<.5	<.5	M
APR													
05...	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	M
MAY													
05...	<.5	<.5	<.5	E.1	<.5	<.5	M	<2	<.5	E.3	<.5	E.1	<.5
18...	<.5	E.2	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	E.1	<.5
JUN													
09...	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	M	E.1	<.5	M	<.5
JUL													
14...	<.5	E.1t	<.5	E.1t	<.5	<.5	<1	<2	<.5	E.4t	<.5	Mt	Mt
AUG													
04...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.4t	<.5	<.5	<.5

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA—continued.

Date	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT									
14...	<.5	<.5	<1	<.5	<.5	<.5	<.5	M	<1.00
JAN									
06...	<.5	E.1	M	<.5	E.1	.8	E.1	E.1	<1.00
22...	<.5	E.1	M	E.1	M	E.5	E.1	E.1	<1.00
FEB									
04...	<.5	E.1	M	<.5	E.1	1.2	E.1	E.1	<1.00
MAR									
04...	<.5	<.5	<1	<.5	<.5	<.5	E.1	<.5	<1.00
22...	<.5	<.5	<1	<.5	M	E.2	M	M	<1.00
APR									
05...	<.5	<.5	<1	<.5	E.1	<.5	E.1	<.5	<1.00
MAY									
05...	<.5	<.5	<1	<.5	<.5	<.5	E.2	E.1	<1.00
18...	<.5	E.2	<1	<.5	E.1	3.9	E.1	E.2	<1.00
JUN									
09...	<.5	E.1	<1	<.5	E.1	.7	E.2	E.1	<1.00
JUL									
14...	<.5	<.5	<1	<.5	E.1n	E.2t	E.1t	E.1t	<1.00
AUG									
04...	<.5	2.5	<1	<.5	<.5	<.5	<.5	<.5	--u

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
14...	1110	1	9	81350	--	45	5.2	746	8.8	99	7.2	106	20.0
JAN													
06...	1005	1	J	81350	1.21	45	73	745	10.1	89	7.1	78	9.0
22...	1302	1	9	81350	1.07	28	4.2	748	13.3	107	7.2	113	5.5
FEB													
04...	1117	1	9	81350	1.18	42	17	749	13.3	107	6.9	105	5.5
MAR													
04...	1025	1	9	81350	1.10	34	6.2	748	9.7	98	7.3	122	15.0
04...	1027	1	9	81350	1.10	34	6.2	748	9.7	98	7.3	122	15.0
22...	1202	1	9	81350	.94	24	5.1	756	11.3	106	7.6	123	12.0
APR													
05...	1232	1	9	81350	.97	29	5.5	750	10.7	107	7.4	126	14.5
MAY													
05...	1102	1	9	81350	.85	19	5.2	748	9.1	94	7.3	132	16.0
18...	1132	1	9	81350	.88	22	14	754	7.8	88	7.1	117	21.0
JUN													
09...	1137	1	9	81350	.85	18	3.9	751	7.8	91	7.3	127	22.5
JUL													
14...	1012	1	9	81350	.66	9.4	9.0	746	7.5	92	7.4	174	24.5
AUG													
04...	0842	1	9	81350	.63	9.8	3.0	747	6.8	84	7.1	147	25.0

02336380 NANCY CREEK AT RANDALL MILL ROAD, AT ATLANTA, GA—continued.

Date	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)
OCT													
14...	5.7	1.7	13	440	1	1.3	120	28	56	5.1	66	24	4500
JAN													
06...	13	2.6	14	520	3	.6	92	21	61	6.7	70	38	1800
22...	7.7	3.3	14	590	2	.6	110	18	58	7.6	83	29	2300
FEB													
04...	11	3.7	18	500	2	.4	96	20	92	7.4	86	34	1500
MAR													
04...	5.7	1.5	9.7	400	2	1.0	58	22	110	5.8	45	26	2700
04...	5.7	1.5	9.7	400	2	1.0	58	22	110	5.8	45	26	2700
22...	6.4	1.5	11	510	2	.7	140	25	400	6.1	47	28	3900
APR													
05...	6.2	2.3	11	500	2	.5	72	22	45	7.1	47	30	5200
MAY													
05...	7.0	1.1	12	480	2	<.2	--o	20	64	5.8	53	33	2000
18...	11	2.4	13	500	3	.3	150	20	89	6.7	72	44	2200
JUN													
09...	7.5	2.9	11	430	2	.3	220	18	57	5.2	74	35	2600
JUL													
14...	4.7	1.9	12	440	1	.4	220	10	39	4.5	67	26	1500
AUG													
04...	7.7	1.6	14	470	2	.4	130	17	51	5.6	61	32	1700

Date	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT												
14...	<.01	16	78	1	<.5	280	<50	.280	76	350	<50	2
JAN												
06...	<.02	4	45	M	<1	95	<100	.540	140	350	<100	22
22...	--o	6	52	1	<2	120	<150	.390	92	450	<150	1
FEB												
04...	.09	5	41	1	<1	82	<100	.420	130	290	<100	6
MAR												
04...	--o	4	29	1	M	130	<50	.300	68	250	<50	3
04...	--o	4	29	1	M	130	<50	.300	68	250	<50	3
22...	--o	9	81	1	<1	80	<100	.370	95	360	<100	2
APR												
05...	--o	5	35	1	<1	180	<100	.390	87	340	<100	2
MAY												
05...	.22	--o	--o	1	<1	220	<100	.480	89	280	<100	3
18...	.20	15	77	1	M	140	<50	.460	120	350	<50	5
JUN												
09...	.39	25	120	1	<1	230	<100	.390	71	270	<100	2
JUL												
14...	--o	27	140	1	<.5	380	<50	.260	59	200	<50	2
AUG												
04...	.12	9	68	1	<1	220	<100	.480	95	230	<100	2

Remark codes used in this table:
   < -- Less than
   > -- Greater than
   E -- Estimated value
   M -- Presence verified, not quantified

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
   e -- See field comment
   k -- Counts outside acceptable range
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL \
   u -- Value reported not confirmable, interfer
   y -- Sample variability described in comment

2004 Water Year

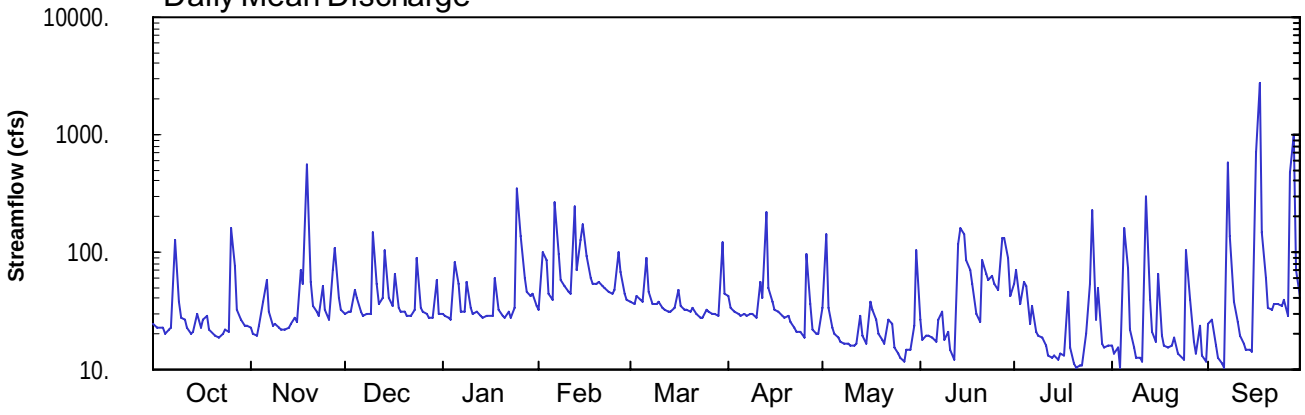
APALACHICOLA RIVER BASIN

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA

Latitude: 33°50'18" Longitude: 084°26'22" Hydrologic Unit Code: 03130001

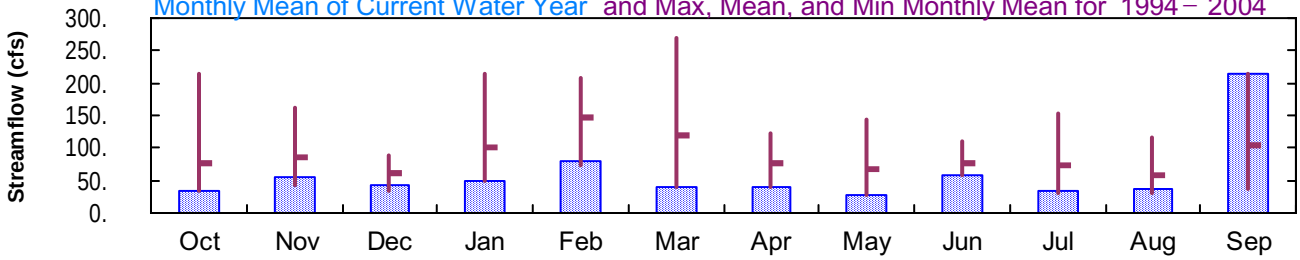
Fulton County Datum: feet Drainage Area: 37.7 mi²

Daily Mean Discharge

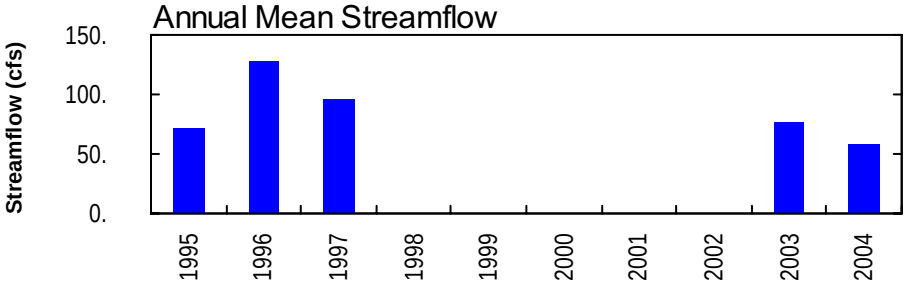


Monthly Statistics

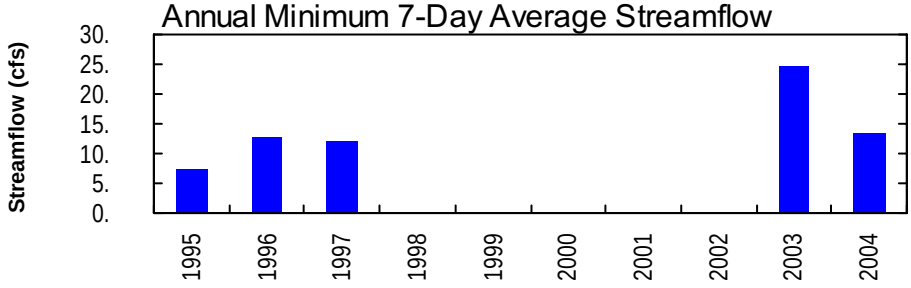
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1994 – 2004



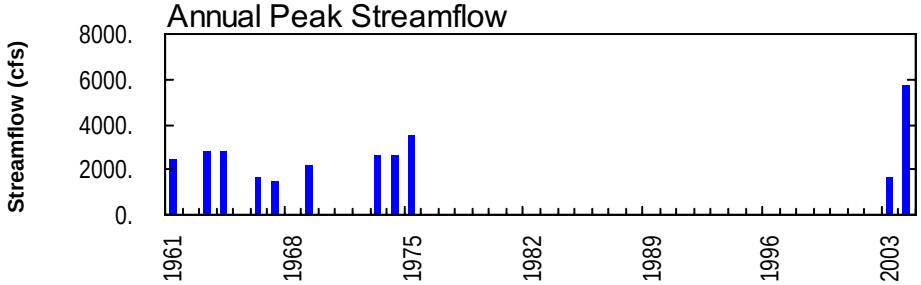
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°50'18", long 84°26'22", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130001, on downstream left bank of bridge on West Wesley Road, 0.6 miles upstream from confluence with Peachtree Creek, 1.3 miles upstream from confluence of Peachtree Creek and the Chattahoochee River, and 0.6 miles west of Interstate 75.

DRAINAGE AREA.—37.7 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 1961 to October 1995 (peak streamflow only), August 1994 to January 1998; October 1, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage is 773.83 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1994 to January 1998; October 1, 2002 to current year**.**

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage is 773.83 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.34 feet, September 17; minimum gage-height recorded, 1.74 feet, July 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70* DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	23	29	30	32	38	43	33	26	54	16	25
2	23	20	31	29	99	37	34	145	18	71	14	27
3	22	20	31	28	86	42	31	33	20	37	15	16
4	22	24	49	27	45	39	30	23	19	55	11	13
5	20	38	40	81	38	37	29	20	18	51	159	11
6	22	57	31	53	266	88	29	19	17	25	73	10
7	23	31	29	31	95	45	28	17	27	35	22	579
8	125	24	29	32	58	36	30	17	31	21	15	138
9	38	24	30	55	51	36	30	17	18	19	13	38
10	28	23	145	34	46	37	28	16	21	18	13	26
11	26	22	54	30	43	34	56	16	15	16	12	20
12	22	22	37	31	241	33	40	17	12	13	294	17
13	21	23	41	28	71	32	221	29	117	13	39	15
14	21	24	104	28	124	31	49	20	160	e13	21	15
15	30	28	40	28	173	33	38	17	142	e12	17	14
16	23	25	35	29	92	48	33	38	87	e14	64	716
17	27	70	66	29	61	35	31	33	71	13	20	2730
18	29	53	34	59	55	32	29	e26	54	46	16	145
19	22	567	31	32	53	32	27	e20	30	15	15	61
20	20	55	31	28	56	31	29	18	26	11	16	34
21	20	36	28	28	52	34	25	17	84	10	19	33
22	19	31	28	31	49	30	23	27	66	11	13	36
23	20	29	32	28	46	28	21	25	59	11	13	36
24	22	51	90	34	44	28	21	15	63	20	12	35
25	21	33	33	352	48	32	19	13	54	54	105	39
26	159	26	31	139	98	31	95	13	48	224	40	29
27	77	71	30	59	66	30	36	12	132	26	17	467
28	32	109	27	47	44	30	21	15	134	50	14	1000
29	27	41	27	43	39	28	20	15	88	17	24	71
30	24	32	58	44	---	122	20	23	43	15	13	43
31	24	---	30	35	---	44	---	106	---	16	11	---
TOTAL	1034	1632	1331	1562	2271	1213	1166	855	1700	1006	1146	6439
MEAN	33.4	54.4	42.9	50.4	78.3	39.1	38.9	27.6	56.7	32.5	37.0	215
MAX	159	567	145	352	266	122	221	145	160	224	294	2730
MIN	19	20	27	27	32	28	19	12	12	10	11	10
CFSM	0.88	1.44	1.14	1.34	2.08	1.04	1.03	0.73	1.50	0.86	0.98	5.69
IN.	1.02	1.61	1.31	1.54	2.24	1.20	1.15	0.84	1.68	0.99	1.13	6.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	77.1	87.1	61.3	101	146	120	77.2	66.2	75.9	73.4	57.1	105
MAX	214	163	89.4	213	208	269	123	143	112	154	117	215
(WY)	1996	1996	2003	1996	1997	1996	1997	2003	2003	1997	1996	2004
MIN	33.4	42.6	33.6	50.4	74.8	39.1	38.9	27.6	56.7	31.4	30.5	36.3
(WY)	2004	1995	1995	2004	2003	2004	2004	2004	2004	1996	1997	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	25712		21355			
ANNUAL MEAN	70.4		58.3		86.5	
HIGHEST ANNUAL MEAN					128	1996
LOWEST ANNUAL MEAN					58.3	2004
HIGHEST DAILY MEAN	1170	May 6	2730	Sep 17	3000	Oct 4 1995
LOWEST DAILY MEAN	19	Oct 22	10	Jul 21 a	4.0	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	21	Oct 19	13	Jul 11	7.5	Sep 6 1995
MAXIMUM PEAK FLOW			5720	Sep 17	5720	Sep 17 2004
MAXIMUM PEAK STAGE			21.34	Sep 17	21.34	Sep 17 2004
ANNUAL RUNOFF (CFSM)	1.87		1.55		2.29	
ANNUAL RUNOFF (INCHES)	25.37		21.07		31.18	
10 PERCENT EXCEEDS	107		93		147	
50 PERCENT EXCEEDS	45		30		34	
90 PERCENT EXCEEDS	25		15		16	

e Estimated
a Also Sep 6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70* DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.06	2.03	2.12	2.12	2.16	2.23	2.28	2.16	2.07	2.39	1.91	2.01
2	2.03	1.99	2.14	2.11	2.63	2.21	2.18	3.02	1.94	2.54	1.85	2.07
3	2.03	1.98	2.14	2.09	2.66	2.27	2.15	2.16	1.97	2.21	1.88	1.90
4	2.03	2.04	2.34	2.08	2.31	2.24	2.13	2.03	1.97	2.30	1.78	1.83
5	1.99	2.20	2.25	2.52	2.24	2.22	2.12	1.98	1.95	2.35	2.92	1.79
6	2.01	2.42	2.14	2.38	3.78	2.65	2.12	1.96	1.93	2.06	2.51	1.77
7	2.04	2.14	2.11	2.14	2.75	2.31	2.10	1.93	2.06	2.17	2.00	6.26
8	2.95	2.05	2.12	2.15	2.44	2.20	2.13	1.92	2.13	2.00	1.89	2.98
9	2.22	2.05	2.13	2.40	2.38	2.21	2.12	1.92	1.94	1.97	1.83	2.23
10	2.11	2.03	2.99	2.18	2.32	2.22	2.10	1.91	1.99	1.95	1.83	2.07
11	2.08	2.02	2.40	2.13	2.29	2.18	2.40	1.90	1.88	1.91	1.81	1.97
12	2.03	2.02	2.22	2.14	3.62	2.17	2.24	1.92	1.83	1.85	4.06	1.92
13	2.00	2.03	2.25	2.11	2.56	2.15	3.46	2.10	2.84	1.83	2.24	1.89
14	2.01	2.05	2.79	2.10	2.93	2.14	2.35	1.97	3.09	---	2.00	1.88
15	2.13	2.10	2.25	2.11	3.20	2.17	2.23	1.92	2.90	---	1.93	1.86
16	2.03	2.07	2.19	2.11	2.72	2.33	2.16	2.13	2.66	---	2.43	6.16
17	2.09	2.54	2.51	2.11	2.47	2.19	2.14	2.15	2.53	1.84	1.97	14.75
18	2.11	2.35	2.18	2.45	2.41	2.15	2.11	---	2.39	2.29	1.91	3.05
19	2.02	6.47	2.14	2.15	2.39	2.15	2.09	---	2.13	1.89	1.89	2.46
20	1.99	2.41	2.14	2.11	2.43	2.14	2.11	1.95	2.07	1.80	1.90	2.18
21	1.98	2.20	2.11	2.10	2.39	2.18	2.06	1.92	2.56	1.77	1.95	2.16
22	1.97	2.14	2.11	2.14	2.35	2.13	2.03	2.05	2.50	1.79	1.85	2.21
23	1.99	2.11	2.14	2.10	2.32	2.10	2.00	2.05	2.43	1.78	1.84	2.21
24	2.02	2.35	2.67	2.17	2.30	2.10	2.00	1.89	2.47	1.91	1.82	2.19
25	2.01	2.16	2.17	4.29	2.34	2.16	1.96	1.85	2.39	2.12	2.58	2.25
26	3.17	2.08	2.14	3.02	2.77	2.15	2.65	1.83	2.34	3.53	2.22	2.11
27	2.59	2.45	2.13	2.45	2.52	2.13	2.20	1.81	2.84	2.07	1.93	5.14
28	2.15	2.83	2.09	2.33	2.30	2.12	2.01	1.88	2.98	2.29	1.86	8.16
29	2.09	2.26	2.09	2.28	2.25	2.11	1.99	1.88	2.66	1.92	2.01	2.56
30	2.04	2.16	2.43	2.30	---	2.86	1.98	2.02	2.28	1.89	1.85	2.28
31	2.04	---	2.12	2.19	---	2.30	---	2.68	---	1.90	1.80	---
MEAN	2.13	2.32	2.25	2.29	2.56	2.22	2.19	---	2.32	---	2.07	3.14
MAX	3.17	6.47	2.99	4.29	3.78	2.86	3.46	---	3.09	---	4.06	14.75
MIN	1.97	1.98	2.09	2.08	2.16	2.10	1.96	---	1.83	---	1.78	1.77

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70* DATUM

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.09	---	0.00
2	0.00	0.00	0.00	0.00	0.91	0.06	0.00	---	0.00	0.20	---	0.00
3	0.00	0.00	0.01	0.00	0.10	0.00	0.00	---	0.00	0.00	---	0.00
4	0.00	0.00	0.35	0.00	0.01	0.00	0.00	---	0.00	0.00	---	0.00
5	0.00	0.26	0.01	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00
6	0.03	0.16	0.00	0.00	1.23	0.41	0.00	0.00	0.00	0.00	0.00	0.00
7	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.01	0.00	0.00
8	1.12	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.03
9	0.00	0.00	0.00	0.25	0.00	0.05	0.00	0.00	0.00	0.11	0.00	0.00
10	0.00	0.00	0.95	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.17	0.00	0.32	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.86	0.00	0.47	0.12	0.00	0.00	1.42	0.00
13	0.00	0.00	0.36	0.00	0.00	0.00	0.47	0.01	0.70	0.00	0.00	0.00
14	0.04	0.00	0.23	0.00	0.39	0.00	0.00	0.00	0.01	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.47	0.00	0.08	0.00
16	0.00	0.00	0.29	0.00	0.00	0.16	0.00	1.33	0.20	0.00	0.00	4.43
17	0.05	0.33	0.15	0.23	0.00	0.00	0.00	0.01	0.01	0.03	0.01	0.04
18	0.00	1.11	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
19	0.00	1.79	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
21	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.53	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
23	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.01	0.00
24	0.00	0.26	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.92	0.00	0.00
25	0.00	0.00	0.00	2.50	---	0.00	0.00	0.00	0.09	2.01	0.00	0.00
26	1.43	0.00	0.00	0.00	---	0.00	0.75	0.00	0.01	0.99	0.00	0.00
27	0.01	1.02	0.00	0.01	---	0.00	0.01	0.00	1.01	0.01	0.00	5.18
28	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.07	---	0.00	0.00
29	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00	---	0.00	0.00
30	0.00	0.00	0.21	0.00	---	0.79	0.00	0.00	0.07	---	0.00	0.00
31	0.00	---	0.00	0.00	---	0.03	---	0.59	---	---	0.00	---
TOTAL	2.70	5.06	3.11	3.66	---	1.57	2.03	---	3.82	---	---	9.68

APALACHICOLA RIVER BASIN
2004 Water Year

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA

LOCATION.—Lat. 33°50'18", long. 84°26'22", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130001, on downstream left bank of bridge on West Wesley Road, 0.6 miles upstream from confluence with Peachtree Creek, 1.3 miles upstream from confluence of Peachtree Creek and the Chattahoochee River, and 0.6 miles west of Interstate 75.

DRAINAGE AREA.—37.7 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—August 19, 1976; January 26, 2000 to December 11, 2000; April 8, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: April 8, 2003 to current year.
pH: April 8, 2003 to current year.
WATER TEMPERATURE: April 8, 2003 to current year.
DISSOLVED OXYGEN: April 8, 2003 to current year.
TURBIDITY: April 8, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance, dissolved oxygen, and pH which are fair, and turbidity, which is poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 234 microsiemens, April 30, 2004; minimum recorded, 35 microsiemens, June 17, 2003.
pH: Maximum recorded, 7.8 units, March 15, September 1, 2004; minimum recorded, 6.1 units, September 17, 2004.
WATER TEMPERATURE: Maximum recorded, 29.2°C, June 9, 2003; minimum recorded, 2.8°C, December 29, 2003, January 29, 2004.
DISSOLVED OXYGEN: Maximum recorded, 13.5 mg/L, January 24, 2004; minimum recorded, 4.4 mg/L, September 27, 2004.
TURBIDITY: Maximum recorded, 2,200 NTU, August 25, 2004; minimum recorded, <5.0 NTU, on many days.

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 234 microsiemens, April 30; minimum recorded, 37 microsiemens, on several days.

pH: Maximum recorded, 7.8 units, March 15, September 1; minimum recorded, 6.1 units, September 17.

WATER TEMPERATURE: Maximum recorded, 27.4°C, August 4; minimum recorded, 2.8°C, December 21, January 29.

DISSOLVED OXYGEN: Maximum recorded, 13.5 mg/L, January 24; minimum recorded, 4.4 mg/L, September 27.

TURBIDITY: Maximum recorded, 2,200 NTU, August 25; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	103	100	102	116	114	114	103	97	101	104	98	102
2	105	103	104	120	114	117	106	103	105	106	104	105
3	106	104	105	123	118	120	111	106	109	107	106	106
4	106	103	104	123	116	120	114	103	110	109	107	109
5	112	103	106	118	104	115	115	100	104	111	61	98
6	105	102	103	113	84	92	108	102	106	87	61	75
7	107	102	105	112	98	104	111	108	110	102	87	94
8	105	53	67	115	110	112	114	109	111	107	100	103
9	90	67	79	115	111	113	115	107	111	113	86	99
10	98	90	95	115	112	113	111	55	81	101	86	94
11	108	98	102	116	113	114	94	66	81	106	101	102
12	109	107	108	128	115	120	105	94	99	112	104	106
13	110	108	109	129	122	125	111	95	107	112	104	106
14	113	109	110	122	116	117	95	61	74	111	104	108
15	111	106	109	116	108	111	99	79	90	111	105	108
16	110	107	108	110	108	109	105	90	102	110	105	107
17	111	107	110	110	93	101	119	87	93	123	109	119
18	111	107	109	100	76	95	102	89	96	118	92	101
19	109	108	109	82	42	62	109	102	105	106	94	100
20	111	108	109	100	82	91	109	105	107	110	106	108
21	112	111	112	106	100	103	109	108	109	117	110	113
22	122	111	116	115	106	111	113	109	111	117	111	114
23	124	121	123	117	114	115	115	92	110	115	111	112
24	121	114	117	120	104	114	103	68	78	116	106	113
25	118	113	115	105	100	102	99	79	89	133	50	74
26	115	56	88	112	105	109	106	99	104	91	60	77
27	87	54	71	114	74	104	110	105	107	111	91	101
28	108	87	99	76	51	64	111	105	108	120	109	113
29	118	108	113	86	66	77	114	106	111	130	113	120
30	122	117	120	97	86	91	115	83	93	123	110	112
31	117	115	116	---	---	---	98	85	92	118	111	115
MONTH	124	53	105	129	42	105	119	55	100	133	50	104

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	118	114	116	119	118	118	111	102	105	137	102	129
2	140	68	109	124	117	120	114	111	113	104	62	76
3	94	64	77	124	117	121	120	114	118	112	85	99
4	114	94	103	126	119	122	122	120	121	126	112	119
5	113	111	112	121	117	119	123	120	122	128	122	125
6	112	49	80	123	82	102	127	122	124	132	128	130
7	96	68	85	107	88	97	127	121	124	137	132	134
8	107	96	101	117	107	112	126	120	123	140	135	138
9	113	105	107	119	116	117	126	119	123	139	135	137
10	114	107	111	125	117	120	126	123	125	141	136	138
11	118	110	113	123	119	121	124	98	113	141	138	140
12	115	46	70	126	117	121	114	82	106	143	128	140
13	107	75	96	123	119	121	99	55	66	139	119	128
14	108	78	92	122	117	120	105	79	95	135	128	130
15	91	61	78	124	116	120	112	105	109	142	135	137
16	102	68	87	123	107	114	119	112	115	145	63	125
17	115	102	109	121	109	115	121	117	119	132	102	118
18	123	115	118	121	117	119	122	119	120	---	---	---
19	120	117	118	122	114	118	126	122	123	---	---	136
20	117	108	112	123	119	121	132	123	127	140	136	139
21	111	108	110	124	117	119	130	122	127	148	140	145
22	114	109	112	125	118	121	134	127	129	147	108	139
23	112	109	110	128	125	127	136	132	134	111	94	101
24	114	111	113	128	124	126	140	133	137	139	104	125
25	118	113	115	129	118	123	141	136	139	145	130	140
26	136	97	111	118	111	115	141	84	112	146	105	133
27	117	101	107	122	116	119	111	85	96	123	90	99
28	115	110	113	122	119	120	129	111	120	165	90	132
29	118	115	116	124	120	122	226	129	140	161	148	154
30	---	---	---	124	76	94	234	132	160	157	122	135
31	---	---	---	109	85	99	---	---	---	139	66	98
MONTH	140	46	103	129	76	117	234	55	120	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	113	83	100	116	102	109	141	122	130	158	111	137
2	129	113	122	111	86	101	140	99	130	123	97	109
3	134	125	129	112	89	102	151	126	138	122	100	113
4	132	125	129	125	68	111	150	138	144	136	122	132
5	129	128	128	100	63	81	155	48	126	139	129	135
6	130	126	128	121	100	112	92	58	76	146	139	143
7	129	104	122	123	97	103	110	92	101	145	38	64
8	115	106	111	126	106	119	125	110	118	89	52	74
9	132	114	125	134	123	130	137	125	131	113	89	102
10	138	117	127	139	131	135	141	137	140	133	112	119
11	134	123	129	152	136	143	143	138	140	---	---	---
12	138	98	124	---	---	---	144	39	72	137	129	132
13	142	61	87	---	---	---	93	65	81	139	---	---
14	89	47	69	---	---	---	112	---	---	149	135	141
15	105	50	85	---	---	---	124	112	117	162	141	149
16	67	41	54	---	---	---	125	55	78	167	37	113
17	89	51	75	160	146	156	111	88	100	122	39	78
18	94	54	78	153	84	104	120	111	115	---	---	---
19	114	94	105	122	96	110	---	---	---	---	---	---
20	127	114	121	138	122	132	129	101	124	---	---	---
21	131	72	109	150	138	143	131	122	128	143	120	128
22	102	75	87	161	150	155	134	122	129	149	134	141
23	105	86	93	159	148	153	137	134	135	143	129	137
24	97	77	86	160	69	142	140	135	138	---	---	---
25	114	95	102	160	39	130	148	43	107	143	131	138
26	103	97	100	85	52	67	93	62	78	159	141	144
27	117	50	97	113	85	101	112	93	103	169	37	127
28	83	50	70	114	66	92	127	111	122	93	37	70
29	94	62	77	134	105	123	124	77	103	108	93	104
30	114	93	102	139	127	136	136	110	128	125	108	120
31	---	---	---	144	105	138	143	136	141	---	---	---
MONTH	142	41	102	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.3	7.2	7.2	7.1	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0
2	7.3	7.2	7.2	7.1	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.1
3	7.3	7.2	7.2	7.1	7.0	7.0	7.0	7.0	7.0	7.2	7.0	7.1
4	7.3	7.2	7.2	7.1	7.0	7.0	7.0	7.0	7.0	7.2	7.0	7.1
5	7.2	6.8	7.2	7.2	7.0	7.0	7.0	7.0	7.0	7.1	6.8	7.1
6	7.3	7.2	7.2	7.0	6.8	6.9	7.0	6.9	6.9	7.0	6.8	7.0
7	7.3	7.1	7.2	7.1	6.9	7.0	7.0	6.9	7.0	7.1	7.0	7.0
8	7.1	6.7	6.8	7.1	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0
9	7.0	6.8	7.0	7.1	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0
10	7.1	7.0	7.1	7.0	6.9	7.0	7.1	6.8	7.0	7.0	6.9	7.0
11	7.1	7.1	7.1	7.1	6.9	7.0	7.0	6.8	6.9	7.0	7.0	7.0
12	7.2	7.1	7.1	7.1	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0
13	7.2	7.1	7.1	7.1	6.9	7.0	7.0	7.0	7.0	7.1	7.0	7.0
14	7.2	7.1	7.1	7.1	7.0	7.1	7.0	6.8	6.9	7.1	7.0	7.0
15	7.2	7.1	7.2	7.1	7.0	7.0	7.0	6.9	7.0	7.1	7.0	7.0
16	7.2	7.1	7.1	7.1	7.0	7.0	7.1	7.0	7.0	7.1	7.0	7.0
17	7.2	7.1	7.1	7.0	6.8	6.9	7.1	7.0	7.0	7.0	7.0	7.0
18	7.2	7.1	7.2	7.0	6.8	6.9	7.0	7.0	7.0	7.0	6.8	7.0
19	7.2	7.1	7.2	6.8	6.4	6.6	7.1	7.0	7.1	7.0	6.8	6.9
20	7.3	7.1	7.2	6.9	6.7	6.8	7.1	7.0	7.1	7.0	6.9	7.0
21	7.3	7.1	7.2	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0
22	7.3	7.1	7.2	7.0	6.9	7.0	7.0	7.0	7.0	---	---	---
23	7.4	7.2	7.2	7.0	7.0	7.0	7.0	7.0	7.0	7.2	7.1	7.2
24	7.4	7.2	7.2	7.0	6.9	7.0	7.0	6.8	6.9	7.3	7.1	7.1
25	7.4	7.2	7.2	6.9	6.9	6.9	7.0	6.9	7.0	7.6	6.7	6.8
26	7.2	6.7	6.9	7.0	6.9	7.0	7.0	7.0	7.0	6.9	6.7	6.9
27	6.9	6.6	6.8	7.1	6.8	7.0	7.1	7.0	7.0	7.0	6.9	7.0
28	7.0	6.9	7.0	6.9	6.8	6.8	7.0	7.0	7.0	7.1	7.0	7.0
29	7.1	7.0	7.0	7.0	6.8	6.9	7.1	7.0	7.0	7.0	7.0	7.0
30	7.1	7.0	7.0	7.0	7.0	7.0	7.1	6.9	7.0	7.1	7.0	7.0
31	7.1	7.0	7.0	---	---	---	7.0	6.9	7.0	7.0	7.0	7.0
MAX	7.4	7.2	7.2	7.2	7.0	7.1	7.1	7.0	7.1	---	---	---
MIN	6.9	6.6	6.8	6.8	6.4	6.6	7.0	6.8	6.9	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.1	7.0	7.0	7.2	7.0	7.1	7.0	7.0	7.0	7.1	6.9	7.0
2	7.1	6.9	7.0	7.3	7.0	7.1	7.2	7.0	7.1	6.9	6.6	6.8
3	7.0	6.8	6.9	7.4	7.0	7.1	7.2	7.0	7.1	7.0	6.8	6.9
4	7.0	6.9	7.0	7.5	7.0	7.1	7.2	7.1	7.1	7.0	7.0	7.0
5	7.0	7.0	7.0	7.4	7.0	7.2	7.2	7.1	7.1	7.1	7.0	7.0
6	7.0	6.7	7.0	7.1	6.9	7.0	7.2	7.1	7.1	7.1	7.0	7.1
7	7.0	6.8	6.9	7.2	6.9	7.0	7.3	7.1	7.1	7.1	7.0	7.1
8	7.0	6.9	6.9	7.3	7.0	7.1	7.3	7.1	7.1	7.2	7.1	7.1
9	7.0	6.9	7.0	7.3	7.1	7.2	7.3	7.1	7.1	7.2	7.1	7.1
10	7.0	7.0	7.0	7.4	7.1	7.2	7.3	7.1	7.2	7.2	7.1	7.2
11	7.1	7.0	7.1	7.5	7.1	7.2	7.2	6.9	7.1	7.2	7.1	7.2
12	7.0	6.7	6.8	7.5	7.1	7.2	7.1	6.9	7.0	7.3	7.0	7.2
13	7.0	6.8	7.0	7.6	7.1	7.2	7.0	6.6	6.7	7.1	7.0	7.0
14	7.0	6.9	7.0	7.7	7.1	7.2	7.0	6.9	7.0	7.1	6.9	7.0
15	6.9	6.8	6.9	7.8	7.1	7.2	7.1	7.0	7.1	7.2	7.0	7.1
16	7.0	6.8	6.9	7.4	7.0	7.2	7.1	7.0	7.1	7.2	6.6	7.1
17	7.0	7.0	7.0	7.5	7.0	7.1	7.2	7.1	7.1	6.9	6.7	6.9
18	7.1	7.0	7.0	7.4	7.1	7.2	7.2	7.1	7.1	---	---	---
19	7.1	7.0	7.0	7.5	7.1	7.2	7.2	7.1	7.2	7.1	7.0	7.0
20	7.0	7.0	7.0	7.5	7.1	7.2	7.3	7.1	7.2	7.2	7.0	7.1
21	7.0	6.9	7.0	7.5	7.0	7.2	7.3	7.2	7.2	7.2	7.1	7.1
22	7.1	7.0	7.0	7.5	7.1	7.2	7.3	7.2	7.2	7.2	6.8	7.1
23	7.0	7.0	7.0	7.4	7.1	7.2	7.3	7.2	7.2	6.8	6.7	6.8
24	7.1	7.0	7.0	7.5	7.1	7.2	7.3	7.2	7.3	7.1	6.8	7.0
25	7.1	7.0	7.0	7.7	7.1	7.2	7.4	7.2	7.3	7.1	7.0	7.0
26	7.0	6.9	7.0	7.7	7.1	7.2	7.2	6.8	7.0	7.2	7.0	7.1
27	7.0	6.8	6.9	7.7	7.0	7.2	7.0	6.8	6.9	7.2	6.9	7.1
28	7.1	6.9	7.0	7.7	7.1	7.2	7.0	6.9	7.0	7.2	6.9	7.1
29	7.1	7.0	7.0	7.6	7.1	7.2	7.1	7.0	7.0	7.2	7.1	7.1
30	---	---	---	7.2	6.8	6.8	7.1	7.0	7.1	7.1	7.0	7.1
31	---	---	---	7.1	6.8	7.0	---	---	---	7.1	6.5	6.7
MAX	7.1	7.0	7.1	7.8	7.1	7.2	7.4	7.2	7.3	---	---	---
MIN	6.9	6.7	6.8	7.1	6.8	6.8	7.0	6.6	6.7	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.0	6.7	6.9	6.7	6.7	6.7	7.2	7.1	7.2	7.8	7.1	7.2
2	7.1	7.0	7.1	6.7	6.6	6.7	7.3	7.1	7.1	7.2	7.1	7.1
3	7.2	7.1	7.1	6.7	6.6	6.6	7.2	7.1	7.2	7.2	7.1	7.1
4	7.2	7.1	7.1	6.8	6.3	6.7	7.2	7.1	7.2	7.2	7.1	7.2
5	7.2	7.1	7.2	6.6	6.3	6.5	7.4	6.4	7.2	7.3	7.2	7.3
6	7.3	7.1	7.2	6.8	6.6	6.7	7.0	6.4	6.8	7.4	7.3	7.3
7	7.2	6.8	7.1	6.8	6.6	6.6	7.1	7.0	7.0	7.3	6.5	6.6
8	7.0	6.8	7.0	6.8	6.5	6.7	7.2	7.1	7.1	6.8	6.6	6.7
9	7.1	7.0	7.1	6.8	6.6	6.7	7.2	7.1	7.2	6.9	6.8	6.8
10	7.2	7.1	7.1	6.9	6.7	6.8	7.3	7.2	7.2	7.0	6.9	6.9
11	7.3	7.1	7.1	7.1	6.7	6.8	7.3	7.2	7.2	7.0	7.0	7.0
12	7.3	7.1	7.2	7.0	6.6	6.8	7.2	6.4	6.6	7.1	7.0	7.0
13	7.2	6.5	6.6	7.3	6.9	7.1	6.9	6.7	6.8	7.2	7.1	7.1
14	6.8	6.3	6.6	7.4	7.3	7.3	7.0	7.0	7.0	7.2	7.0	7.1
15	7.0	6.4	6.8	---	---	---	7.1	7.0	7.1	7.2	7.1	7.1
16	6.8	6.4	6.7	7.6	7.4	7.5	7.1	6.6	6.9	7.1	6.3	7.0
17	7.0	6.6	6.9	7.6	7.3	7.4	7.1	6.9	7.0	6.5	6.1	6.3
18	6.9	6.6	6.8	7.3	6.9	7.0	7.2	7.0	7.1	6.7	6.5	6.6
19	7.0	6.9	7.0	7.3	7.1	7.2	7.2	7.1	7.2	7.2	6.7	7.0
20	7.2	7.0	7.1	7.4	7.2	7.3	7.3	7.1	7.2	7.1	6.7	6.8
21	7.2	6.7	7.1	7.5	7.3	7.3	7.3	7.1	7.2	6.8	6.7	6.8
22	6.9	6.7	6.8	7.6	7.3	7.4	7.4	7.2	7.3	6.9	6.8	6.9
23	6.9	6.8	6.8	7.6	7.3	7.4	7.4	7.3	7.3	7.0	6.9	6.9
24	7.0	6.8	6.9	7.6	7.0	7.3	7.5	7.3	7.3	7.0	6.8	6.9
25	7.0	6.9	7.0	7.3	6.7	7.1	7.4	6.6	7.3	6.9	6.8	6.8
26	7.0	6.9	7.0	6.9	6.5	6.7	7.0	6.7	7.0	6.8	6.8	6.8
27	7.1	6.4	7.0	7.1	6.9	7.0	7.2	7.0	7.1	6.9	6.3	6.8
28	6.8	6.4	6.7	7.1	6.8	7.0	7.2	7.1	7.1	6.5	6.2	6.4
29	6.8	6.7	6.7	7.2	7.0	7.1	7.2	7.0	7.0	6.7	6.5	6.6
30	6.8	6.6	6.7	7.2	7.0	7.2	7.3	7.1	7.2	6.7	6.7	6.7
31	---	---	---	7.2	7.1	7.2	7.3	7.2	7.2	---	---	---
MAX	7.3	7.1	7.2	---	---	---	7.5	7.3	7.3	7.8	7.3	7.3
MIN	6.8	6.3	6.6	---	---	---	6.9	6.4	6.6	6.5	6.1	6.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.4	15.2	16.4	16.3	14.0	15.3	8.4	6.2	7.3	7.7	5.3	6.6
2	16.5	14.5	15.6	16.5	14.2	15.5	8.3	6.5	7.5	9.2	7.0	8.0
3	15.7	13.7	14.8	16.5	14.2	15.5	7.6	6.9	7.2	11.4	8.9	10.1
4	17.1	14.3	15.7	17.5	15.9	16.7	7.3	6.7	6.8	13.0	10.9	11.9
5	17.8	15.4	16.8	19.5	17.4	18.2	7.3	6.7	7.0	14.0	12.5	13.5
6	18.6	17.1	17.9	20.3	18.8	19.5	7.2	6.4	6.8	12.5	6.8	9.5
7	19.2	17.9	18.6	19.5	18.0	18.9	6.8	5.1	6.1	6.8	3.8	4.8
8	19.3	18.4	18.8	18.0	16.1	16.6	6.9	4.9	6.0	4.3	3.0	3.7
9	19.3	18.5	18.9	16.1	14.2	15.3	8.3	5.7	6.8	5.8	4.3	5.1
10	19.4	18.5	18.9	14.2	12.2	13.2	11.0	8.3	9.9	5.5	4.3	5.1
11	18.8	18.2	18.4	13.9	11.6	12.9	9.5	6.9	8.0	4.9	3.0	4.0
12	19.7	17.8	18.7	15.7	12.7	14.2	7.4	5.8	6.6	5.7	3.1	4.3
13	19.8	17.8	19.0	15.5	11.1	13.6	7.0	6.0	6.5	7.2	4.9	6.0
14	20.2	18.2	19.4	11.1	8.9	10.1	6.8	6.4	6.6	8.4	5.7	7.0
15	18.2	15.8	16.8	11.4	9.0	10.2	7.3	5.6	6.4	8.9	7.4	8.3
16	15.9	13.8	15.1	13.1	10.2	11.5	8.9	5.7	7.0	7.7	5.7	6.9
17	15.2	13.6	14.4	15.9	13.1	14.7	9.0	6.8	8.1	7.4	6.0	6.7
18	15.5	13.4	14.5	17.7	15.3	16.2	7.0	5.3	6.3	9.1	7.4	8.4
19	15.7	13.2	14.6	17.8	15.6	17.2	6.8	5.6	6.2	8.8	5.6	7.4
20	16.2	13.8	15.1	15.6	13.3	14.1	5.6	4.1	4.7	5.6	3.7	4.7
21	17.1	14.3	15.9	13.8	11.9	13.0	4.6	2.8	3.8	5.7	3.4	4.6
22	17.3	15.4	16.4	13.4	11.5	12.6	5.5	3.1	4.3	6.1	3.7	5.0
23	16.4	14.3	15.6	13.7	11.5	12.7	9.1	4.5	6.1	5.4	3.8	4.8
24	16.0	14.2	15.3	13.7	11.6	13.1	9.6	7.3	9.0	6.8	3.5	5.1
25	16.4	14.5	15.5	11.6	9.1	10.0	7.3	5.3	6.0	8.7	6.3	7.7
26	17.5	15.9	16.6	10.3	8.2	9.3	6.1	4.2	5.2	6.3	5.6	5.8
27	17.6	15.4	16.9	12.5	9.9	10.9	6.3	4.1	5.2	6.8	5.3	6.0
28	15.4	13.6	14.2	13.0	10.4	12.4	6.6	4.5	5.6	5.3	3.3	4.3
29	14.9	12.9	13.9	10.4	7.4	8.6	9.0	5.9	7.2	5.1	2.8	4.0
30	15.2	12.6	14.0	8.0	6.0	7.1	9.8	7.7	8.9	6.9	4.5	5.6
31	15.9	13.6	14.8	---	---	---	7.7	5.8	6.9	6.5	4.4	5.6
MONTH	20.2	12.6	16.4	20.3	6.0	13.6	11.0	2.8	6.6	14.0	2.8	6.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.5	4.4	5.5	13.4	9.1	11.0	13.6	11.1	12.5	20.4	18.4	19.3
2	6.0	4.6	5.3	15.6	12.9	14.1	15.0	10.7	12.8	20.0	18.2	19.3
3	6.8	4.4	5.5	16.3	13.9	15.1	16.6	12.0	14.3	18.2	15.6	16.6
4	6.8	4.8	5.8	16.8	14.5	15.6	15.8	12.4	14.2	17.1	13.5	15.4
5	6.3	5.9	6.1	16.5	15.0	15.8	15.6	11.5	13.7	19.0	14.5	16.8
6	7.4	6.0	6.5	17.0	15.8	16.4	16.8	12.1	14.5	20.8	16.9	19.0
7	7.4	5.1	6.3	16.8	14.1	15.5	17.3	13.3	15.4	21.7	18.1	20.1
8	6.1	3.9	5.1	14.3	11.5	12.9	18.0	15.3	16.6	22.5	18.8	20.8
9	6.4	5.1	5.7	12.4	9.9	11.2	18.7	15.0	16.9	22.9	20.1	21.6
10	7.1	5.6	6.3	12.4	8.8	10.6	17.3	14.3	16.1	22.9	20.0	21.5
11	8.0	6.8	7.4	12.8	8.5	10.8	16.4	15.1	15.8	22.8	20.6	21.7
12	7.9	6.8	7.2	13.6	9.8	11.7	17.1	15.7	16.3	22.1	20.7	21.4
13	8.5	6.2	7.4	13.7	10.0	11.9	16.0	12.7	14.4	22.3	20.8	21.5
14	8.6	8.1	8.4	15.2	11.3	13.2	14.1	11.1	12.6	22.0	20.6	21.3
15	8.7	7.8	8.4	16.5	13.8	15.1	16.2	11.5	13.8	22.7	20.3	21.5
16	7.8	6.9	7.5	16.7	14.8	15.6	17.6	12.9	15.3	22.1	20.2	21.3
17	7.8	6.6	7.2	16.0	12.7	14.4	18.9	14.5	16.7	22.3	20.4	21.4
18	8.9	6.1	7.5	14.3	11.8	13.2	20.0	15.6	17.9	---	---	---
19	9.3	6.0	7.7	17.0	12.1	14.5	20.6	16.7	18.7	22.6	---	---
20	9.7	7.4	8.5	17.5	13.5	15.5	20.7	17.7	19.2	23.6	20.6	22.2
21	11.7	9.4	10.3	17.0	13.3	15.7	19.7	17.6	18.8	24.4	21.7	23.2
22	10.9	8.2	9.7	13.4	10.3	12.0	20.7	17.4	19.2	23.9	22.5	23.2
23	9.7	8.4	9.0	12.9	8.5	10.9	21.0	18.1	19.7	24.1	21.6	22.9
24	10.1	9.1	9.6	14.4	9.6	12.1	21.5	18.4	20.1	24.0	21.3	22.8
25	10.1	8.6	9.5	16.6	11.6	14.0	21.7	19.1	20.6	25.1	22.3	23.7
26	8.6	5.8	6.4	18.4	13.7	16.0	21.1	18.3	19.6	25.5	22.9	24.1
27	7.2	5.8	6.4	18.9	14.7	16.8	18.6	16.3	17.6	25.3	22.7	23.9
28	9.3	5.4	7.3	19.8	15.1	17.5	18.2	14.7	16.6	24.6	22.7	23.6
29	10.2	6.7	8.5	18.5	16.6	17.6	18.9	16.1	17.6	23.6	22.4	23.0
30	---	---	---	17.9	15.7	16.8	19.0	18.1	18.6	24.7	22.1	23.4
31	---	---	---	16.6	13.0	15.1	---	---	---	24.3	21.9	22.9
MONTH	11.7	3.9	7.3	19.8	8.5	14.1	21.7	10.7	16.5	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.3	21.1	21.7	24.3	22.9	23.5	26.9	24.9	25.9	24.3	23.6	24.0
2	21.9	20.2	21.1	23.9	22.8	23.4	27.1	25.1	26.0	23.7	22.9	23.3
3	22.4	20.0	21.3	25.1	23.2	24.1	27.0	24.4	25.7	23.3	22.4	22.9
4	23.3	21.0	22.2	25.7	23.4	24.6	27.4	24.7	25.9	23.5	21.8	22.6
5	22.8	20.3	21.8	26.9	24.3	25.6	26.6	24.6	25.5	24.0	22.0	23.2
6	23.7	21.0	22.4	26.7	24.3	25.4	25.7	24.2	25.0	23.1	22.3	22.7
7	23.4	21.5	22.1	26.1	23.7	25.0	24.2	22.2	23.3	23.1	22.2	22.6
8	22.5	21.1	21.7	26.3	23.6	25.0	23.7	21.1	22.4	23.0	22.2	22.6
9	23.0	21.8	22.4	25.7	23.8	24.9	23.4	21.1	22.4	23.6	21.5	22.5
10	25.0	21.8	23.3	26.4	23.9	25.1	22.8	21.8	22.2	23.7	21.9	22.8
11	25.9	22.9	24.4	27.0	24.3	25.7	23.6	20.9	22.2	23.3	---	---
12	26.9	23.9	25.4	26.6	24.7	25.5	23.4	21.9	22.8	23.4	21.7	22.5
13	26.0	23.8	24.6	27.0	24.1	25.4	22.8	21.2	22.1	22.7	---	---
14	25.3	22.6	24.2	---	---	---	22.2	---	---	22.1	20.8	21.5
15	24.9	23.9	24.3	---	---	---	23.0	21.0	22.0	21.7	20.9	21.2
16	25.8	23.7	24.7	25.4	---	---	24.1	22.7	23.3	22.9	21.4	22.1
17	26.7	24.0	25.3	25.0	23.5	24.2	24.4	22.4	23.5	22.8	22.2	22.5
18	26.6	24.9	25.9	26.2	24.0	25.0	24.6	22.6	23.7	22.4	21.5	22.0
19	27.2	24.8	25.9	25.6	23.2	24.5	24.7	22.5	---	21.8	---	---
20	26.5	24.2	25.4	25.6	22.5	24.1	25.2	23.1	24.2	19.8	18.2	19.1
21	25.6	23.9	24.7	26.1	23.0	24.5	24.6	23.3	24.0	19.9	17.9	18.9
22	25.8	23.8	24.8	26.2	23.5	24.8	25.0	23.2	24.0	20.3	18.0	19.2
23	25.2	23.6	24.2	27.1	24.1	25.5	24.9	23.5	24.1	21.0	18.5	19.5
24	24.4	23.5	24.0	27.1	24.7	25.7	25.2	23.2	24.2	21.6	---	---
25	25.8	23.3	24.3	26.7	23.4	25.3	24.8	23.3	24.0	21.7	20.0	20.9
26	24.7	23.2	23.8	25.8	23.9	24.8	25.1	23.4	24.3	21.2	19.6	20.6
27	24.4	23.0	23.7	25.3	24.1	24.7	25.2	23.3	24.3	20.9	20.2	20.4
28	24.2	23.2	23.7	26.0	23.8	24.8	25.9	23.6	24.7	21.2	20.2	20.6
29	24.4	22.8	23.5	25.2	23.7	24.5	25.0	23.5	24.1	21.0	20.0	20.5
30	24.0	23.1	23.6	25.9	24.2	25.1	25.4	23.2	24.2	20.8	19.1	20.0
31	---	---	---	26.3	24.4	25.4	25.4	23.4	24.3	---	---	---
MONTH	27.2	20.0	23.7	---	---	---	27.4	---	---	24.3	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	10.8	9.6	10.3	13.2	12.5	12.8	---	---	---
2	---	---	---	10.8	9.7	10.1	13.0	12.1	12.6	---	---	---
3	---	---	---	10.8	9.6	10.2	12.4	11.7	12.1	---	---	---
4	---	---	---	10.4	9.5	9.8	---	---	---	---	---	---
5	---	---	---	10.1	8.4	9.4	---	---	---	---	---	---
6	---	---	---	8.7	7.9	8.4	11.3	11.0	11.2	---	---	---
7	9.2	---	---	9.4	8.3	8.8	11.6	11.1	11.4	---	---	---
8	8.7	8.0	8.3	10.2	8.9	9.7	11.5	11.1	11.3	---	---	---
9	8.7	8.2	8.5	10.9	9.6	10.2	11.3	10.7	11.1	---	---	---
10	9.0	8.5	8.7	11.7	9.6	10.7	10.7	9.5	9.9	---	---	---
11	9.1	8.6	8.8	11.6	10.0	10.8	10.8	9.8	10.5	---	---	---
12	9.3	8.6	8.9	11.4	9.4	10.5	11.3	10.8	11.0	---	---	---
13	9.4	8.6	8.9	11.6	9.3	10.5	11.2	10.8	11.0	---	---	---
14	9.2	8.4	8.7	12.8	10.7	11.9	11.1	10.8	11.0	---	---	---
15	10.0	8.7	9.5	12.9	11.4	12.1	11.4	10.9	11.1	---	---	---
16	10.6	9.6	10.1	12.4	10.7	11.7	11.4	10.5	11.0	---	---	---
17	10.8	9.9	10.3	10.7	9.0	9.8	10.8	10.2	10.5	---	---	---
18	10.9	10.1	10.4	9.9	8.7	9.4	11.4	10.7	11.1	---	---	---
19	11.0	10.0	10.5	9.8	8.7	9.2	---	---	---	---	---	---
20	11.1	9.9	10.4	10.9	9.8	10.6	---	---	---	---	---	---
21	11.0	9.4	10.2	11.3	10.8	11.0	---	---	---	---	---	---
22	10.6	9.4	9.8	11.5	10.9	11.2	---	---	---	13.1	---	---
23	11.1	9.5	10.2	11.5	10.8	11.2	---	---	---	13.4	12.1	12.7
24	11.2	9.8	10.4	11.1	10.3	10.8	---	---	---	13.5	11.8	12.7
25	11.5	9.9	10.6	12.2	11.1	11.8	---	---	---	11.9	11.0	11.3
26	10.3	9.0	9.5	12.7	11.9	12.3	---	---	---	12.2	11.9	12.1
27	9.7	9.0	9.2	12.1	10.9	11.7	---	---	---	12.1	11.9	12.0
28	10.6	9.7	10.2	12.1	10.7	11.2	---	---	---	13.0	12.1	12.7
29	10.6	9.8	10.2	12.6	11.8	12.3	---	---	---	13.3	12.6	12.9
30	10.8	10.0	10.4	13.3	12.6	12.9	---	---	---	12.6	11.8	12.3
31	10.9	10.0	10.4	---	---	---	---	---	---	12.6	11.9	12.2
MONTH	---	---	---	13.3	7.9	10.7	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.8	12.1	12.4	11.1	9.3	10.3	9.8	8.8	9.3	8.3	7.3	7.9
2	13.0	12.0	12.4	10.6	8.7	9.6	10.1	8.9	9.4	7.8	7.3	7.6
3	12.9	11.9	12.4	10.6	8.7	9.4	9.8	8.4	9.1	8.8	7.8	8.4
4	12.6	11.9	12.2	10.8	8.6	9.4	9.7	8.4	8.9	9.2	8.3	8.7
5	12.1	12.0	12.0	10.7	8.5	9.3	9.8	8.6	9.1	9.1	8.1	8.6
6	12.3	11.5	12.0	8.9	8.2	8.5	9.9	7.7	8.9	8.6	7.8	8.3
7	12.3	11.5	11.9	10.2	8.3	9.1	9.9	7.8	8.7	8.5	7.6	8.1
8	13.0	12.3	12.6	11.0	8.9	9.9	9.2	7.6	8.4	8.4	7.5	8.0
9	12.6	12.2	12.4	11.4	9.7	10.4	9.4	7.7	8.4	8.3	7.5	7.8
10	12.4	11.8	12.1	11.8	9.9	10.6	10.0	7.7	9.0	8.5	7.5	7.9
11	12.2	11.4	11.8	12.0	9.8	10.7	9.2	8.1	8.7	8.5	7.5	7.9
12	12.1	11.3	11.8	11.9	9.7	10.5	8.8	7.9	8.3	8.6	7.1	7.9
13	12.2	11.3	11.8	12.1	9.5	10.6	9.4	8.1	8.7	8.1	7.2	7.6
14	11.7	11.2	11.4	11.9	9.1	10.4	10.2	9.3	9.7	8.1	7.1	7.5
15	11.5	11.0	11.3	11.5	8.7	9.8	10.1	8.8	9.5	8.3	7.4	7.7
16	12.0	11.4	11.7	10.5	8.2	9.1	9.7	8.4	9.1	8.7	6.7	7.6
17	12.3	11.6	11.9	11.4	8.4	9.6	9.4	8.2	8.8	7.7	6.8	7.4
18	12.3	11.5	11.9	11.5	8.8	9.9	9.2	8.0	8.6	---	6.9	---
19	12.3	11.2	11.8	11.4	8.7	9.9	9.1	7.8	8.5	8.0	---	---
20	11.8	10.0	11.0	11.3	8.4	9.6	8.8	7.8	8.2	8.2	7.2	7.7
21	10.4	9.8	10.0	10.8	8.0	9.3	8.8	7.9	8.3	8.1	7.1	7.5
22	10.8	9.8	10.2	11.7	9.2	10.4	8.8	7.6	8.2	8.0	6.4	7.2
23	10.8	10.0	10.4	12.2	9.8	10.7	8.6	7.6	8.1	7.3	6.5	7.0
24	10.7	9.9	10.2	11.8	9.2	10.4	8.7	7.5	8.1	7.9	6.9	7.4
25	10.6	9.8	10.2	11.3	8.8	9.8	8.7	7.4	8.0	7.7	7.0	7.3
26	11.3	10.2	10.9	10.8	8.3	9.3	7.7	7.0	7.3	7.8	6.9	7.2
27	11.4	10.9	11.1	10.6	8.1	9.1	8.4	7.2	7.9	7.8	6.9	7.3
28	11.7	10.5	11.1	10.6	7.9	9.0	9.0	8.0	8.5	8.0	7.0	7.4
29	11.6	10.2	10.9	10.4	7.9	8.7	8.9	8.0	8.5	8.1	7.1	7.6
30	---	---	---	8.3	7.7	7.9	8.5	8.0	8.2	7.9	7.0	7.4
31	---	---	---	9.1	7.7	8.5	---	---	---	7.7	6.3	7.0
MONTH	13.0	9.8	11.5	12.2	7.7	9.7	10.2	7.0	8.6	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	7.2	7.6	7.6	7.2	7.4	7.8	7.0	7.4	8.1	7.4	7.7
2	8.4	7.6	8.0	7.5	7.1	7.3	7.8	6.6	7.2	7.9	7.4	7.7
3	8.4	7.6	8.0	7.6	7.0	7.3	7.6	6.7	7.2	8.4	7.6	7.9
4	8.3	7.4	7.9	7.6	6.3	7.2	7.8	6.8	7.3	8.7	7.8	8.2
5	8.7	7.2	8.1	7.4	6.5	7.0	8.2	6.0	7.3	8.6	7.7	---
6	8.7	7.6	8.0	7.6	6.9	7.2	7.4	6.1	7.1	8.3	7.3	7.8
7	8.7	7.0	7.7	7.6	7.0	7.3	8.1	7.4	7.7	8.1	7.1	7.6
8	8.3	7.2	7.8	7.9	6.7	7.3	8.4	7.8	8.1	7.9	7.4	7.8
9	8.1	7.2	7.6	8.1	7.0	7.5	8.6	7.9	8.2	8.1	7.8	8.0
10	8.2	6.9	7.6	8.3	5.2	7.4	8.6	7.9	8.2	8.3	7.8	8.0
11	8.1	6.9	7.4	8.2	7.1	7.5	8.8	7.9	8.3	8.3	---	---
12	8.1	6.7	7.3	8.4	7.0	7.5	8.5	7.3	7.7	8.4	8.0	8.2
13	7.0	6.1	6.5	8.6	7.0	7.7	8.4	7.5	8.0	8.5	---	---
14	7.3	6.5	7.1	---	6.9	---	8.7	---	---	8.8	8.1	8.4
15	7.5	7.0	7.2	---	---	---	8.5	7.9	8.2	8.8	8.2	8.5
16	7.6	7.0	7.3	8.5	---	---	8.2	7.2	7.8	8.4	7.6	8.0
17	7.6	6.4	7.2	8.4	6.7	7.5	8.2	7.3	7.8	---	---	---
18	7.4	6.6	7.1	7.0	6.5	6.7	8.2	7.2	7.7	---	---	---
19	7.3	6.6	7.0	7.8	6.6	7.2	7.9	7.3	---	---	---	---
20	7.6	6.7	7.2	8.3	7.0	7.5	8.1	6.9	7.6	---	---	---
21	7.9	6.6	7.0	8.5	7.1	7.6	7.9	6.9	7.5	---	---	---
22	7.5	6.6	7.1	8.6	7.1	7.6	8.2	7.4	7.6	---	---	---
23	7.3	6.4	6.9	8.3	6.9	7.4	8.4	7.4	7.7	7.3	6.3	6.8
24	7.5	6.9	7.2	8.3	6.1	7.3	8.6	7.5	7.9	7.1	5.9	---
25	7.4	6.5	7.1	8.7	5.5	6.7	8.6	6.9	7.5	6.5	5.6	6.1
26	7.7	6.7	7.1	7.3	6.1	6.9	7.9	7.1	7.5	6.2	4.9	5.7
27	8.0	6.4	7.2	7.5	6.9	7.2	8.0	7.2	7.6	7.8	4.4	6.0
28	7.6	6.6	7.3	7.6	6.9	7.2	8.0	7.4	7.6	7.7	6.8	7.2
29	7.5	6.9	7.2	7.7	7.0	7.4	8.1	7.2	7.4	7.5	6.1	7.0
30	7.5	6.9	7.2	7.7	6.9	7.3	8.0	7.3	7.6	7.6	7.1	7.4
31	---	---	---	8.0	7.2	7.4	8.1	7.5	7.7	---	---	---
MONTH	8.7	6.1	7.4	---	---	---	8.8	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.4	<5.0	<5.0	---	---	---	---	---	---	14	<5.0	5.3
2	5.1	<5.0	<5.0	---	---	---	---	---	---	9.9	<5.0	<5.0
3	<5.0	<5.0	<5.0	---	---	---	---	---	---	<5.0	<5.0	<5.0
4	5.2	<5.0	<5.0	---	---	---	---	---	---	<5.0	<5.0	<5.0
5	6.7	<5.0	<5.0	---	---	---	17	11	14	270	<5.0	6.3
6	<5.0	<5.0	<5.0	---	---	---	12	<5.0	8.3	170	26	79
7	11	<5.0	<5.0	---	---	---	7.6	<5.0	<5.0	33	11	15
8	340	<5.0	150	---	---	---	6.7	<5.0	<5.0	16	5.7	7.2
9	---	---	---	---	---	---	5.0	<5.0	<5.0	43	6.5	20
10	---	---	---	---	---	---	330	<5.0	180	22	7.4	12
11	---	---	---	---	---	---	170	22	54	11	5.3	7.3
12	---	---	---	---	---	---	22	8.5	13	9.4	<5.0	5.5
13	---	---	---	---	---	---	70	8.3	10	15	<5.0	<5.0
14	---	---	---	---	---	---	120	47	73	12	<5.0	<5.0
15	---	---	---	---	---	---	47	11	23	14	<5.0	<5.0
16	---	---	---	---	---	---	50	6.2	9.0	23	<5.0	<5.0
17	---	---	---	---	---	---	120	15	31	17	<5.0	<5.0
18	---	---	---	---	---	---	15	6.9	12	66	9.8	25
19	---	---	---	---	---	---	7.2	<5.0	5.7	22	6.4	12
20	---	---	---	---	---	---	5.3	<5.0	<5.0	14	<5.0	6.6
21	---	---	---	---	---	---	7.2	<5.0	<5.0	7.6	<5.0	<5.0
22	---	---	---	---	---	---	8.0	<5.0	<5.0	5.3	<5.0	<5.0
23	---	---	---	---	---	---	63	<5.0	<5.0	5.4	<5.0	<5.0
24	---	---	---	---	---	---	130	24	61	5.6	<5.0	<5.0
25	---	---	---	---	---	---	26	9.0	14	380	<5.0	160
26	---	---	---	---	---	---	12	<5.0	6.8	170	27	72
27	---	---	---	---	---	---	9.6	<5.0	<5.0	29	12	18
28	---	---	---	---	---	---	<5.0	<5.0	<5.0	380	9.2	12
29	---	---	---	---	---	---	<5.0	<5.0	<5.0	19	7.6	10
30	---	---	---	---	---	---	88	<5.0	28	18	5.3	8.4
31	---	---	---	---	---	---	17	7.9	12	7.4	<5.0	5.3
MAX	---	---	---	---	---	---	---	---	---	380	27	160
MIN	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.7	<5.0	<5.0	18	<5.0	<5.0	21	6.2	9.0	88	<5.0	14
2	300	<5.0	5.0	17	<5.0	<5.0	7.4	<5.0	<5.0	350	23	110
3	300	34	110	10	<5.0	<5.0	7.6	<5.0	<5.0	24	6.3	11
4	35	12	17	7.9	<5.0	<5.0	6.0	<5.0	<5.0	10	<5.0	5.4
5	16	6.8	8.6	<5.0	<5.0	<5.0	7.5	<5.0	<5.0	11	<5.0	<5.0
6	490	7.0	170	130	<5.0	46	6.2	<5.0	<5.0	26	<5.0	<5.0
7	150	33	57	41	5.0	10	8.4	<5.0	<5.0	23	<5.0	<5.0
8	94	16	22	5.6	<5.0	<5.0	7.7	<5.0	<5.0	16	<5.0	<5.0
9	42	9.2	11	7.0	<5.0	<5.0	8.2	<5.0	<5.0	8.1	<5.0	<5.0
10	12	7.5	9.3	51	<5.0	<5.0	5.5	<5.0	<5.0	8.4	<5.0	<5.0
11	16	6.9	11	5.9	<5.0	<5.0	64	<5.0	25	11	<5.0	<5.0
12	290	12	120	5.3	<5.0	<5.0	350	5.3	7.7	69	<5.0	<5.0
13	72	24	38	<5.0	<5.0	<5.0	670	56	210	33	5.2	10
14	76	20	44	5.4	<5.0	<5.0	59	12	22	7.7	<5.0	<5.0
15	200	24	48	19	<5.0	<5.0	15	5.9	9.0	7.8	<5.0	<5.0
16	99	18	34	24	<5.0	8.9	17	<5.0	6.7	670	<5.0	<5.0
17	20	10	12	9.8	<5.0	5.6	---	---	---	84	17	28
18	13	6.9	8.8	26	<5.0	<5.0	<5.0	<5.0	<5.0	---	---	---
19	14	6.2	7.7	17	<5.0	<5.0	8.1	<5.0	<5.0	160	<5.0	6.7
20	9.1	5.8	6.8	7.3	<5.0	<5.0	13	<5.0	<5.0	7.7	<5.0	<5.0
21	7.2	<5.0	5.6	5.7	<5.0	<5.0	7.0	<5.0	<5.0	8.4	<5.0	<5.0
22	5.9	<5.0	<5.0	12	<5.0	<5.0	9.4	<5.0	<5.0	220	<5.0	5.1
23	7.3	<5.0	<5.0	16	<5.0	<5.0	7.7	<5.0	<5.0	110	21	54
24	6.2	<5.0	<5.0	<5.0	<5.0	<5.0	7.3	<5.0	<5.0	24	<5.0	7.2
25	7.4	<5.0	<5.0	<5.0	<5.0	<5.0	11	<5.0	<5.0	240	<5.0	7.5
26	43	6.7	24	5.6	<5.0	<5.0	150	<5.0	80	12	<5.0	6.0
27	37	11	21	<5.0	<5.0	<5.0	47	6.4	13	10	<5.0	5.1
28	12	5.0	6.6	21	<5.0	<5.0	8.1	<5.0	<5.0	17	<5.0	6.6
29	92	5.1	7.9	20	<5.0	<5.0	9.0	<5.0	<5.0	13	<5.0	5.6
30	---	---	---	200	<5.0	64	9.4	<5.0	<5.0	65	5.2	11
31	---	---	---	21	7.5	9.5	---	---	---	620	5.5	92
MAX	490	34	170	200	7.5	64	---	---	---	---	---	---
MIN	5.9	5.0	5.0	5.0	5.0	5.0	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	56	8.2	15	36	7.2	19	8.6	<5.0	<5.0	100	<5.0	9.5
2	9.2	<5.0	5.5	190	12	44	74	<5.0	<5.0	32	7.6	13
3	10	<5.0	<5.0	20	5.3	8.7	98	<5.0	8.2	9.4	<5.0	5.2
4	9.8	<5.0	<5.0	500	<5.0	<5.0	36	<5.0	6.6	<5.0	<5.0	<5.0
5	9.6	<5.0	<5.0	300	8.2	28	990	<5.0	5.0	13	<5.0	<5.0
6	9.3	<5.0	<5.0	45	<5.0	<5.0	420	22	68	7.4	<5.0	<5.0
7	300	<5.0	<5.0	51	10	16	23	6.2	10	630	6.6	370
8	290	8.4	14	13	<5.0	<5.0	7.1	<5.0	<5.0	350	26	72
9	11	<5.0	5.1	120	<5.0	<5.0	11	<5.0	<5.0	240	11	23
10	16	<5.0	<5.0	28	<5.0	<5.0	13	<5.0	<5.0	59	5.6	11
11	5.8	<5.0	<5.0	57	<5.0	<5.0	16	<5.0	<5.0	---	<5.0	---
12	170	<5.0	<5.0	50	<5.0	<5.0	950	<5.0	200	5.7	<5.0	<5.0
13	740	<5.0	220	16	<5.0	<5.0	220	16	62	5.1	<5.0	<5.0
14	1100	27	110	17	<5.0	<5.0	---	7.0	---	12	<5.0	<5.0
15	800	8.4	20	---	---	---	79	<5.0	6.9	24	<5.0	<5.0
16	300	29	96	<5.0	<5.0	<5.0	470	6.3	41	970	<5.0	55
17	340	11	26	29	<5.0	<5.0	16	5.3	6.4	820	120	210
18	170	9.6	23	130	<5.0	39	6.4	<5.0	<5.0	150	<44	---
19	16	<5.0	7.0	15	<5.0	<5.0	<5.0	<5.0	<5.0	170	---	---
20	6.8	<5.0	<5.0	<5.0	<5.0	<5.0	120	<5.0	<5.0	140	58	74
21	680	<5.0	120	<5.0	<5.0	<5.0	38	<5.0	5.3	79	56	66
22	190	15	40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	91	57	68
23	150	11	36	<5.0	<5.0	<5.0	13	<5.0	<5.0	370	<51	60
24	170	7.8	37	620	<5.0	<5.0	11	<5.0	<5.0	---	---	---
25	120	5.7	9.9	1200	<5.0	9.0	2200	<5.0	10	85	35	47
26	32	10	16	780	49	150	280	14	48	300	36	48
27	530	7.3	10	240	8.0	26	130	7.2	12	990	13	100
28	410	49	110	250	7.7	52	43	<5.0	<5.0	460	92	270
29	230	---	---	15	<5.0	6.1	1100	5.3	42	170	22	57
30	52	7.7	10	11	<5.0	<5.0	120	<5.0	7.3	31	9.5	17
31	---	---	---	120	<5.0	<5.0	26	<5.0	5.6	---	---	---
MAX	1100	---	---	---	---	---	---	22	---	---	---	---
MIN	5.8	---	---	---	---	---	---	5.0	---	---	---	---

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2004 Water Year

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°50'18", long 84°26'22", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, on downstream left bank of bridge on West Wesley Road, 0.6 miles upstream of confluence with Peachtree Creek, 1.3 miles upstream of confluence of Peachtree Creek and the Chattahoochee River, and 0.6 miles west of Interstate 75.

DRAINAGE AREA.—37.7 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 19, 1976, January 26, 2000 to December 11, 2000, July 30, 2003 to current year

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
23...	0820	--	9	9	81345	2.00	21	<5.0	753	9.4	92	7.7	121
23...	0850	--	9	9	81345	2.00	21	<5.0	753	9.5	93	7.3	121
JAN													
06...	0850	--	9	J	81345	2.36	51	97	745	9.9	87	7.2	75
06...	0905	--	9	J	81345	2.36	51	100	745	10.0	87	7.3	75
22...	1115	--	9	9	81345	2.09	28	3.9	749	13.7	108	7.3	115
22...	1130	--	9	9	81345	2.08	27	4.0	749	13.7	108	7.3	115
FEB													
03-03	1200	1230	9	J	81345	2.53	67	88	747	12.0	97	6.8	80
FEB													
03-03	1220	1225	9	J	81345	2.54	68	92	747	12.0	98	6.8	80
FEB													
06-06	1001	1003	9	J	81345	3.17	158	100	--	12.1	--	7.0	88
FEB													
06-06	1131	1133	9	J	81345	4.22	355	270	--	12.2	--	7.0	70
FEB													
06-06	1301	1303	9	J	81345	5.99	606	380	--	12.3	--	6.9	57
FEB													
06-06	1431	1433	9	J	81345	7.06	718	420	--	12.2	--	6.8	60
FEB													
06-06	1601	1603	9	J	81345	6.62	676	430	--	12.0	--	6.7	50
FEB													
06-06	1731	1733	9	J	81345	5.27	516	420	--	11.9	--	6.7	52
MAR													
03...	1030	--	9	9	81345	2.35	50	5.6	751	10.6	106	7.2	122
03...	1045	--	9	9	81345	2.34	49	6.0	751	10.9	109	7.3	121
22...	0930	--	9	9	81345	2.16	33	4.0	755	11.2	101	7.6	124
22...	0945	--	9	9	81345	2.15	32	4.1	755	11.2	101	7.6	124
MAR													
30-30	1015	1017	9	J	81345	3.84	285	190	--	8.1	--	6.9	92
MAR													
30-30	1100	1102	9	J	81345	3.80	278	160	--	8.1	--	6.8	89
MAR													
30-30	1145	1147	9	J	81345	3.71	261	140	--	8.3	--	6.8	86
MAR													
30-30	1230	1232	9	J	81345	3.59	237	160	--	8.1	--	6.8	85
MAR													
30-30	1315	1317	9	J	81345	3.47	213	130	--	8.1	--	6.8	82
MAR													
30-30	1400	1402	9	J	81345	3.32	185	110	--	8.2	--	6.8	80
MAR													
30-30	1445	1447	9	J	81345	3.17	158	92	--	8.1	--	6.8	79
APR													
05...	1025	--	9	9	81345	2.13	31	3.5	750	11.0	104	7.4	125
05...	1045	--	9	9	81345	2.13	31	3.5	750	11.0	104	7.4	125
APR													
11-11	1002	1004	9	J	81345	2.42	56	31	--	8.8	--	7.0	111
APR													
11-11	1047	1049	9	J	81345	2.55	69	32	--	9.0	--	7.1	116
APR													
11-11	1302	1304	9	J	81345	2.61	76	31	--	8.9	--	7.1	117
APR													
11-11	1347	1349	9	J	81345	2.78	98	53	--	8.8	--	7.1	111
APR													
11-11	1432	1434	9	J	81345	2.85	108	57	--	8.7	--	7.0	113
APR													
11-11	1647	1649	9	J	81345	2.68	85	36	--	8.9	--	7.0	103
APR													
12-12	2334	2336	9	J	81345	2.52	63	180	--	8.6	--	7.0	84
APR													
13-13	0019	0021	9	J	81345	3.88	293	340	--	8.2	--	6.9	99
APR													
13-13	0104	0106	9	J	81345	4.23	352	400	--	8.3	--	6.8	75
APR													
13-13	0149	0151	9	J	81345	4.37	382	570	--	8.1	--	6.7	69
APR													
13-13	0234	0236	9	J	81345	4.90	459	560	--	8.4	--	6.7	59
APR													
13-13	0404	0406	9	J	81345	4.43	392	500	--	8.2	--	6.6	59
APR													
13-13	0534	0536	9	J	81345	4.00	311	370	--	8.5	--	6.6	57
APR													
13-13	0749	0751	9	J	81345	3.86	289	300	--	8.6	--	6.6	62
MAY													
02-02	0152	0154	9	J	81345	2.65	81	300	--	7.7	--	6.8	84

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
23...	14.5	37	4	10.4	2.74	3.09	.5	7.17	28	33.3	M	10.2	14.2
23...	14.5	37	4	10.4	2.71	3.05	.5	7.25	28	33.2	M	10.2	13.7
JAN													
06...	9.5	29	4	9.01	1.60	2.04	.4	4.96	25	25.0	M	6.93	10.7
06...	9.5	24	2	6.88	1.57	2.41	.3	3.32	21	22.2	<.02	5.03	8.82
22...	4.5	17	3	5.40	.91	1.97	.3	2.58	22	14.7	M	3.17	5.81
22...	4.5	27	3	8.30	1.47	2.21	.4	4.30	24	24.1	.1	5.79	9.17
FEB													
03-03	5.5	24	5	7.12	1.50	2.23	.4	4.12	25	19.3	<.02	5.25	7.33
FEB													
03-03	6.0	24	5	7.19	1.50	2.26	.4	4.00	24	19.4	<.02	5.61	7.42
FEB													
06-06	6.2	26	5	7.55	1.72	2.32	.4	4.45	25	20.9	<.02	5.96	8.73
FEB													
06-06	6.4	22	4	6.38	1.44	2.22	.3	3.33	23	17.7	<.02	4.63	7.05
FEB													
06-06	6.3	17	3	5.06	1.06	2.14	.2	2.26	20	14.3	<.02	3.50	5.41
FEB													
06-06	6.5	18	4	5.34	1.08	2.26	.3	3.06	24	14.0	<.02	3.99	5.64
FEB													
06-06	6.6	14	2	4.34	.82	1.84	.3	2.26	23	12.0	<.02	2.99	4.39
FEB													
06-06	6.9	15	3	4.64	.89	2.02	.3	2.28	22	12.7	<.02	2.86	4.83
MAR													
03...	14.5	45	12	12.9	2.98	3.02	.5	6.94	24	32.4	<.02	9.40	9.41
03...	14.5	45	13	13.0	3.06	2.81	.4	6.53	23	32.2	<.02	9.45	7.96
22...	10.5	43	7	12.4	2.85	2.60	.5	7.12	25	35.8	.1	9.15	12.5
22...	10.5	42	7	12.2	2.85	2.66	.5	7.11	25	35.8	<.02	9.12	12.7
APR													
05...	12.0	41	6	11.7	2.77	2.54	.5	6.77	25	34.5	.1	7.70	13.4
05...	12.0	41	6	11.7	2.77	2.57	.5	6.77	25	34.5	.1	7.64	13.9
APR													
11-11	15.2	36	4	10.6	2.33	2.71	.4	5.74	24	31.6	M	6.45	12.0
APR													
11-11	15.2	35	--	10.2	2.27	2.87	.5	6.93	28	35.3	.1	7.97	11.8
APR													
11-11	15.8	39	5	11.4	2.59	3.23	.4	6.30	24	34.1	M	7.00	12.6
APR													
11-11	15.9	37	5	10.7	2.44	3.11	.4	6.05	24	32.1	M	6.94	12.0
APR													
11-11	16.2	39	4	11.5	2.56	3.17	.5	6.57	25	35.7	.1	10.2	12.7
APR													
11-11	16.2	33	4	9.63	2.18	2.79	.4	5.84	26	29.3	.1	7.31	11.6
APR													
12-12	15.8	29	2	8.83	1.69	2.84	.4	4.40	23	27.3	M	5.07	9.91
APR													
13-13	15.9	26	.0	8.01	1.53	2.83	.3	3.79	22	25.9	<.02	3.96	7.85
APR													
13-13	15.3	24	.0	7.13	1.45	2.85	.3	3.75	23	23.2	M	4.20	7.54
APR													
13-13	14.9	20	.0	6.02	1.19	3.12	.3	2.75	20	19.6	M	3.36	6.09
APR													
13-13	14.7	21	2	6.20	1.26	2.96	.3	3.17	22	18.9	<.02	3.60	6.25
APR													
13-13	14.8	19	2	5.62	1.08	2.46	.3	2.94	23	16.7	M	3.45	5.96
APR													
13-13	14.8	19	3	5.69	1.06	2.39	.3	3.01	23	15.8	M	3.15	5.75
APR													
13-13	14.8	20	3	6.17	1.17	2.72	.3	2.92	21	17.7	<.02	3.34	5.84
MAY													
02-02	19.8	26	6	7.65	1.62	2.82	.4	4.41	25	20.2	M	5.55	9.42

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
OCT													
23...	8.6	78	.11	--	<.020	.45	<.020	--	<.100	<.10	.61	--	--
23...	8.5	78	.11	--	<.020	.45	<.020	--	<.100	<.10	.76	170	160k
JAN													
06...	5.4	59	.08	.11	.083	.80	<.020	--	<.100	<.10	.71	E3400	E2100k
06...	5.4	49	.07	.13	.099	.46	<.020	--	<.100	<.10	.85	--	--
22...	4.7	37	.05	.11	.088	.64	<.020	--	<.100	<.10	.60	--	--
22...	5.0	55	.07	--	<.020	.73	<.020	--	<.100	<.10	1.14	170	97
FEB													
03-03	6.2	48	.07	.20	.154	.60	<.020	--	<.100	<.10	1.04	3500	1600
FEB													
03-03	6.5	49	.07	.20	.156	.63	<.020	--	<.100	<.10	.99	--	--
FEB													
06-06	7.1	54	.07	.33	.259	.70	<.020	--	<.100	<.10	1.31	--	--
FEB													
06-06	5.8	46	.06	.33	.257	.79	<.020	--	<.100	.11	1.28	--	--
FEB													
06-06	5.0	37	.05	.21	.164	.81	<.020	--	<.100	<.10	.97	--	--
FEB													
06-06	5.5	40	.05	.36	.281	.77	<.020	--	<.100	.13	1.24	--	--
FEB													
06-06	4.6	33	.04	.40	.312	.70	<.020	--	<.100	.10	1.16	--	--
FEB													
06-06	4.7	34	.05	.38	.297	.67	<.020	.340	.111	.12	1.12	--	--
MAR													
03...	9.4	77	.10	--	<.020	.67	<.020	--	<.100	<.10	.75	--	--
03...	9.3	75	.10	--	<.020	.67	<.020	--	<.100	<.10	.72	260	160
22...	8.8	79	.11	--	<.020	.45	<.020	--	<.100	<.10	.47	--	--
22...	8.8	79	.11	--	<.020	.46	<.020	--	<.100	<.10	.54	E110euy	100
APR													
05...	10.4	78	.11	.03	.020	.46	<.020	--	<.100	<.10	.58	--	--
05...	10.2	78	.11	.04	.030	.46	<.020	--	<.100	<.10	.42	170	120
APR													
11-11	8.2	70	.10	.15	.115	.56	.020	--	<.100	<.10	1.06	--	--
APR													
11-11	9.3	75	.10	.11	.084	.57	.020	--	<.100	<.10	.90	--	--
APR													
11-11	8.1	75	.10	.12	.092	.62	.020	--	<.100	<.10	1.04	--	--
APR													
11-11	7.9	72	.10	.13	.102	.65	.020	--	<.100	<.10	1.35	--	--
APR													
11-11	10.7	83	.11	.15	.113	.78	.020	--	<.100	<.10	1.00	--	--
APR													
11-11	7.7	68	.09	.11	.082	.57	.020	--	<.100	<.10	.84	--	--
APR													
12-12	6.3	58	.08	.10	.075	.53	<.020	--	<.100	<.10	.85	--	--
APR													
13-13	5.3	51	.07	.08	.060	.44	<.020	--	<.100	<.10	.80	--	--
APR													
13-13	5.8	49	.07	.12	.090	.46	<.020	--	<.100	<.10	.73	--	--
APR													
13-13	4.8	42	.06	.10	.081	.49	<.020	--	<.100	<.10	.84	--	--
APR													
13-13	5.2	43	.06	.12	.091	.46	<.020	--	<.100	<.10	.78	--	--
APR													
13-13	5.0	39	.05	.11	.083	.47	<.020	--	<.100	<.10	.93	--	--
APR													
13-13	4.7	37	.05	.09	.070	.45	<.020	--	<.100	<.10	.81	--	--
APR													
13-13	4.8	40	.05	.09	.071	.47	<.020	--	<.100	<.10	.87	--	--
MAY													
02-02	5.8	52	.07	.04	.029	.56	<.020	--	<.100	<.10	.83	--	--

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Stront-ium, water, fltrd, ug/L (01080)	Zinc, water, fltrd, ug/L (01090)
OCT											
23...	--	<50.0	--	--	--	<100	--	--	--	50	--
23...	5	<50.0	--	--	--	<100	--	--	--	50	--
JAN											
06...	E155000	35.5	--	--	--	<100	--	--	--	40	--
06...	--	32.2	<.04	<.8	1.7	<100	.13	.52	<.2	40	4.3
22...	--	34.9	--	--	--	170	--	--	--	20	--
22...	1400	30.5	--	--	--	430	--	--	--	40	--
FEB											
03-03	52000	42.9	--	--	--	<100	--	--	--	40	--
FEB											
03-03	--	36.8	--	--	--	<100	--	--	--	40	--
FEB											
06-06	--	38.7	--	--	--	150	--	--	--	40	--
FEB											
06-06	--	34.2	--	--	--	250	--	--	--	30	--
FEB											
06-06	--	15.5	--	--	--	310	--	--	--	20	--
FEB											
06-06	--	35.5	--	--	--	320	--	--	--	30	--
FEB											
06-06	--	20.2	--	--	--	310	--	--	--	20	--
FEB											
06-06	--	18.2	--	--	--	320	--	--	--	20	--
MAR											
03...	--	19.1	--	--	--	110	--	--	--	80	--
03...	2500	4.3	--	--	--	130	--	--	--	80	--
22...	--	38.0	--	--	--	130	--	--	--	80	--
22...	4500euy	61.0	--	--	--	140	--	--	--	80	--
APR											
05...	--	33.3	--	--	--	160	--	--	--	70	--
05...	2300	25.6	--	--	--	<100	--	--	--	70	--
APR											
11-11	--	32.8	--	--	--	130	--	--	--	60	--
APR											
11-11	--	39.5	--	--	--	110	--	--	--	60	--
APR											
11-11	--	41.2	--	--	--	160	--	--	--	60	--
APR											
11-11	--	47.0	--	--	--	140	--	--	--	60	--
APR											
11-11	--	35.2	--	--	--	150	--	--	--	60	--
APR											
11-11	--	36.7	--	--	--	170	--	--	--	50	--
APR											
12-12	--	40.7	--	--	--	180	--	--	--	50	--
APR											
13-13	--	49.3	--	--	--	220	--	--	--	40	--
APR											
13-13	--	24.2	--	--	--	200	--	--	--	40	--
APR											
13-13	--	24.6	--	--	--	290	--	--	--	30	--
APR											
13-13	--	39.3	--	--	--	260	--	--	--	30	--
APR											
13-13	--	30.9	--	--	--	130	--	--	--	30	--
APR											
13-13	--	37.5	--	--	--	<100	--	--	--	30	--
APR											
13-13	--	25.2	--	--	--	<100	--	--	--	30	--
MAY											
02-02	--	48.2	--	--	--	130	--	--	--	40	--

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
MAY													
02-02	0322	0324	9	J	81345	3.59	237	240	--	7.4	--	6.8	90
MAY													
02-02	0452	0454	9	J	81345	4.10	333	240	--	7.3	--	6.7	78
MAY													
02-02	0537	0539	9	J	81345	4.27	365	280	--	7.3	--	6.6	74
MAY													
02-02	0707	0709	9	J	81345	3.95	307	220	--	7.4	--	6.6	68
MAY													
02-02	0837	0839	9	J	81345	3.50	220	190	--	7.4	--	6.6	64
05...	0900	--	9	9	81345	1.98	20	4.8	747	9.3	93	7.4	128
05...	0915	--	9	9	81345	1.98	20	4.6	747	9.3	93	7.4	128
MAY													
31-31	0857	0859	9	J	81345	2.78	98	200	--	7.5	--	6.9	99
MAY													
31-31	0942	0944	9	J	81345	3.22	167	410	--	7.0	--	6.9	111
MAY													
31-31	1112	1114	9	J	81345	3.61	241	400	--	7.0	--	6.7	91
MAY													
31-31	1157	1159	9	J	81345	4.18	348	570	--	6.5	--	6.6	96
MAY													
31-31	1242	1244	9	J	81345	4.17	346	550	--	6.3	--	6.6	71
MAY													
31-31	1412	1414	9	J	81345	3.64	247	320	--	6.7	--	6.5	74
MAY													
31-31	1457	1459	9	J	81345	3.32	185	270	--	6.7	--	6.5	70
MAY													
31-31	1627	1629	9	J	81345	2.99	128	190	--	6.9	--	6.5	68
JUN													
07-07	1408	1410	9	J	81345	2.03	23	5.6	--	8.3	--	7.2	127
JUN													
07-07	1453	1455	9	J	81345	2.55	70	250	--	7.8	--	7.2	112
JUN													
07-07	1538	1540	9	J	81345	2.38	51	140	--	7.5	--	7.1	115
JUN													
07-07	1623	1625	9	J	81345	2.33	47	120	--	7.5	--	7.2	113
JUN													
07-07	1753	1755	9	J	81345	2.36	50	120	--	7.4	--	7.1	122
JUN													
07-07	2008	2010	9	J	81345	2.24	39	68	--	7.3	--	7.0	122
JUN													
15-15	1714	1716	9	J	81345	2.89	113	330	--	7.4	--	6.8	70
JUN													
15-15	1759	1801	9	J	81345	4.45	395	700	--	7.0	--	6.8	87
JUN													
15-15	1844	1846	9	J	81345	4.74	441	780	--	7.1	--	6.6	50
JUN													
15-15	1929	1931	9	J	81345	4.58	416	640	--	7.3	--	6.5	54
JUN													
15-15	2014	2016	9	J	81345	4.79	448	550	--	7.4	--	6.5	52
JUN													
15-15	2144	2146	9	J	81345	4.64	426	530	--	7.0	--	6.4	51
JUN													
15-16	2359	0001	9	J	81345	3.66	251	300	--	7.1	--	6.4	54
JUN													
16-16	0129	0131	9	J	81345	3.28	177	250	--	7.2	--	6.4	57
JUL													
28...	0740	--	9	J	81345	2.49	64	90	749	7.0	85	7.1	89
28...	0745	--	9	J	81345	2.49	64	90	749	7.0	85	7.1	89
AUG													
04...	1140	--	9	9	81345	1.77	7.8	3.8	748	7.6	96	7.3	145
04...	1145	--	9	9	81345	1.77	7.8	3.6	748	7.5	93	7.3	145
17...	1055	--	9	9	81345	1.97	19	7.0	744	7.7	92	7.2	97
17...	1100	--	9	9	81345	1.97	19	7.3	744	7.7	92	7.2	96
SEP													
13...	0930	--	9	9	81345	1.88	14	5.2	752	7.8	90	7.1	126
20...	1420	--	9	9	81345	2.14	32	80	752	7.3	80	7.0	120

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
MAY													
02-02	19.2	28	4	8.09	1.77	3.21	.4	4.91	25	23.3	M	5.30	8.77
MAY													
02-02	19.1	25	4	7.39	1.60	3.17	.4	4.31	24	20.8	M	4.01	8.29
MAY													
02-02	19.1	23	4	6.84	1.51	2.99	.4	4.12	25	19.7	M	4.02	8.12
MAY													
02-02	19.2	22	4	6.67	1.36	2.93	.4	4.57	28	18.5	.1	4.01	8.43
MAY													
02-02	19.2	21	4	6.37	1.30	2.88	.4	4.03	26	17.4	M	3.31	7.30
05...	14.5	42	2	12.2	2.81	2.97	.4	6.09	22	40.4	.1	7.49	15.9
05...	14.5	40	--	11.7	2.57	3.20	.5	6.54	25	40.9	.1	7.44	14.8
MAY													
31-31	22.1	30	5	9.40	1.58	3.32	.3	4.29	21	25.0	M	4.33	10.1
MAY													
31-31	22.2	33	3	9.93	1.85	3.75	.4	5.48	24	29.5	.1	6.29	11.3
MAY													
31-31	21.9	25	3	7.70	1.41	3.33	.3	3.86	22	21.8	M	4.18	8.36
MAY													
31-31	22.1	27	5	8.15	1.54	3.94	.4	4.44	23	21.8	M	4.41	9.97
MAY													
31-31	22.3	21	5	6.44	1.16	3.08	.3	3.56	24	16.4	M	3.74	7.60
MAY													
31-31	22.6	23	4	7.00	1.26	3.14	.4	4.15	25	18.6	M	4.03	8.84
MAY													
31-31	22.8	21	3	6.46	1.08	3.06	.4	3.79	25	17.5	M	3.61	8.19
MAY													
31-31	22.8	21	3	6.53	1.13	3.00	.3	3.65	24	17.6	M	3.63	8.15
JUN													
07-07	22.3	39	4	11.7	2.34	2.66	.4	6.12	24	34.9	.1	7.22	13.8
JUN													
07-07	23.1	32	8	9.95	1.66	2.95	.3	4.14	20	23.3	<.02	5.54	8.83
JUN													
07-07	23.1	41	11	13.1	2.02	3.00	.3	5.10	20	30.2	.1	6.75	10.9
JUN													
07-07	22.9	41	12	13.1	1.94	3.03	.4	5.22	20	29.1	M	5.79	11.0
JUN													
07-07	22.4	36	5	11.1	1.97	2.96	.5	6.19	25	30.8	M	8.59	11.3
JUN													
07-07	22.1	38	8	11.5	2.15	3.23	.5	6.94	27	29.6	M	9.20	12.4
JUN													
15-15	24.7	22	2	6.70	1.24	3.11	.3	3.27	22	19.9	<.01	3.1	7.00
JUN													
15-15	24.2	19	--	5.80	1.10	3.50	.3	3.41	24	18.5	<.01	4.0	6.11
JUN													
15-15	24.1	15	1	4.50	.91	3.28	.3	2.36	21	13.8	<.01	2.4	5.30
JUN													
15-15	24.1	15	2	4.40	.90	3.32	.2	2.17	20	13.1	<.01	2.3	5.31
JUN													
15-15	24.0	16	3	4.80	.99	3.48	.3	2.58	22	13.2	<.01	2.4	6.00
JUN													
15-15	24.3	16	3	4.80	.94	3.05	.3	2.68	23	13.3	<.01	2.4	6.35
JUN													
15-16	24.3	16	3	5.00	.90	2.73	.3	2.51	22	13.6	<.01	2.5	5.85
JUN													
16-16	24.1	18	4	5.50	.97	2.83	.3	2.83	22	14.2	<.01	2.8	6.08
JUL													
28...	24.0	27	4	8.50	1.48	3.08	.3	3.77	21	23.1	M	4.1	8.08
28...	24.0	28	5	8.80	1.51	3.24	.3	3.91	21	22.9	<.01	4.1	8.25
AUG													
04...	26.0	47	11	14.3	2.80	3.69	.5	7.42	24	36.6	.1	7.0	14.3
04...	25.5	46	10	13.8	2.84	3.56	.5	7.27	24	36.6	.1	6.9	14.2
17...	23.0	32	4	9.80	1.85	3.19	.4	4.59	22	28.2	M	4.2	9.85
17...	23.0	33	5	10.0	1.90	3.10	.3	4.42	21	28.2	M	4.2	10.1
SEP													
13...	22.0	--	--	--	--	--	--	--	--	42.4	.1	6.67	--
20...	19.0	--	--	--	--	--	--	--	--	35.5	.1	5.50	--

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
MAY													
02-02	6.2	56	.08	.03	.025	.67	<.020	<.100	<.10	1.01	--	--	--
MAY													
02-02	5.7	50	.07	.03	.024	.69	<.020	<.100	<.10	1.06	--	--	--
MAY													
02-02	5.7	49	.07	.07	.052	.69	<.020	<.100	<.10	1.14	--	--	--
MAY													
02-02	5.5	48	.06	.03	.024	.61	<.020	<.100	<.10	.95	--	--	--
MAY													
02-02	5.1	44	.06	--	<.020	.60	<.020	<.100	<.10	1.05	--	--	--
05...	8.2	83	.11	--	<.020	.54	.020	<.100	<.10	.47	130	170	7100
05...	8.1	82	.11	.03	.024	.53	<.020	<.100	<.10	.79	--	--	--
MAY													
31-31	7.0	58	.08	--	<.020	.60	<.020	<.100	<.10	1.51	--	--	--
MAY													
31-31	7.6	67	.09	--	<.020	.76	<.020	<.100	<.10	1.76	--	--	--
MAY													
31-31	6.0	51	.07	--	<.020	.74	<.020	<.100	<.10	1.54	--	--	--
MAY													
31-31	6.3	56	.08	.03	.020	.88	<.020	<.100	<.10	2.39	--	--	--
MAY													
31-31	5.2	44	.06	--	<.020	.74	<.020	<.100	<.10	1.70	--	--	--
MAY													
31-31	5.4	48	.07	--	<.020	.70	<.020	<.100	<.10	1.39	--	--	--
MAY													
31-31	5.2	45	.06	--	<.020	.65	<.020	<.100	<.10	1.32	--	--	--
MAY													
31-31	5.0	45	.06	--	<.020	.67	<.020	<.100	<.10	1.31	--	--	--
JUN													
07-07	7.4	74	.10	--	<.020	.41	<.020	<.100	<.10	.59	--	--	--
JUN													
07-07	8.5	61	.08	--	<.020	1.28	<.020	<.100	.14	1.76	--	--	--
JUN													
07-07	8.5	72	.10	--	<.020	1.04	<.020	<.100	<.10	1.64	--	--	--
JUN													
07-07	8.2	70	.10	--	<.020	1.00	<.020	<.100	<.10	1.44	--	--	--
JUN													
07-07	8.0	72	.10	--	<.020	.80	<.020	<.100	<.10	1.24	--	--	--
JUN													
07-07	7.9	75	.10	--	<.020	.80	<.020	<.100	<.10	1.21	--	--	--
JUN													
15-15	4.8	44	.06	--	<.010	.55	<.010	<.050	<.050	--	--	--	--
JUN													
15-15	4.8	44	.06	--	<.010	.79	<.010	<.050	<.050	1.11	--	--	--
JUN													
15-15	4.3	35	.05	--	<.010	.67	<.010	<.050	<.050	--	--	--	--
JUN													
15-15	4.4	34	.05	.03	.020	.69	<.010	<.050	<.050	1.93	--	--	--
JUN													
15-15	4.6	36	.05	--	<.010	.68	<.010	<.050	<.050	--	--	--	--
JUN													
15-15	4.9	36	.05	--	<.010	.61	<.010	<.050	<.050	1.10	--	--	--
JUN													
15-16	4.6	35	.05	--	<.010	.56	<.010	<.050	<.050	--	--	--	--
JUN													
16-16	4.7	37	.05	--	<.010	.55	<.010	<.050	<.050	1.56	--	--	--
JUL													
28...	7.8	53	.07	.12	.090	.49	<.010	<.050	<.050	--	--	--	--
28...	7.8	54	.07	.06	.050	.50	<.010	<.050	<.050	.59	8300	8000	280000
AUG													
04...	15.0	89	.12	--	--	.49	<.010	--	--	--	--	--	--
04...	14.9	88	.12	--	--	.48	<.010	--	--	--	110	220	8600
17...	7.3	59	.08	--	--	.38	<.010	--	--	--	--	--	--
17...	7.2	60	.08	--	--	.39	<.010	--	--	--	530	1400	29000
SEP													
13...	8.7	--	--	.03	.020	.41	<.020	<.100	<.10	--	1200	620k	18000
20...	8.1	--	--	.54	.420	.45	<.020	<.100	<.10	--	13000	35000	61000

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
MAY			
02-02	80.0	130	50
MAY			
02-02	71.5	150	40
MAY			
02-02	73.1	140	40
MAY			
02-02	75.3	110	40
MAY			
02-02	67.3	160	40
05...	37.1	280	70
05...	34.4	230	70
MAY			
31-31	16.1	<100	50
MAY			
31-31	39.5	<100	60
MAY			
31-31	34.2	<100	50
MAY			
31-31	51.4	<100	50
MAY			
31-31	35.4	<100	40
MAY			
31-31	8.0	<100	40
MAY			
31-31	6.4	<100	40
MAY			
31-31	30.8	<100	40
JUN			
07-07	21.7	<100	80
JUN			
07-07	14.2	<100	60
JUN			
07-07	32.3	<100	70
JUN			
07-07	51.0	<100	70
JUN			
07-07	24.2	<100	70
JUN			
07-07	<2.5	<100	70
JUN			
15-15	--	200	30
JUN			
15-15	--	260	30
JUN			
15-15	--	410	20
JUN			
15-15	--	440	20
JUN			
15-15	--	530	20
JUN			
15-15	--	450	20
JUN			
15-16	--	260	30
JUN			
16-16	--	290	30
JUL			
28...	--	<50	40
28...	--	<50	40
AUG			
04...	--	<50	90
04...	--	<50	80
17...	--	<50	50
17...	--	<50	50
SEP			
13...	--	--	--
20...	--	--	--

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)
OCT													
23...	0821	9	80020	2.00	1.5	753	9.4	7.7	121	14.5	2	<.04	<.8
23...	0851	9	80020	2.00	1.4	753	9.5	7.3	121	14.5	2	<.04	<.8
JAN													
06...	0851	J	80020	2.36	97	745	9.9	7.2	75	9.5	14	E.02n	<.8
06...	0906	J	80020	2.36	100	745	10.0	7.3	75	9.5	7	<.04	<.8
22...	1116	9	80020	2.09	3.9	749	13.7	7.3	115	4.5	4	<.04	<.8
22...	1131	9	80020	2.08	4.0	749	13.7	7.3	115	4.5	2	<.04	<.8
FEB													
03-03	1201	J	80020	2.53	1.0	747	12.0	6.8	80	5.5	13	<.04	<.8
FEB													
03-03	1221	J	80020	2.54	92	747	12.0	6.8	80	6.0	10	<.04	<.8
MAR													
03...	1031	9	80020	2.35	5.6	751	10.6	7.2	122	14.5	5	<.04	<.8
03...	1046	9	80020	2.34	6.0	751	10.9	7.3	121	14.5	6	<.04	<.8
22...	0931	9	80020	2.16	4.0	755	11.2	7.6	124	10.5	3	<.04	<.8
22...	0946	9	80020	2.15	4.1	755	11.2	7.6	124	10.5	4	<.04	<.8
APR													
05...	1026	9	80020	2.13	3.5	750	11.0	7.4	125	12.0	7	<.04	<.8
05...	1046	9	80020	2.13	3.5	750	11.0	7.4	125	12.0	3	<.04	<.8
MAY													
05...	0901	9	80020	1.98	4.8	747	9.3	7.4	128	14.5	16	<.04	<.8
05...	0916	9	80020	1.98	4.6	747	9.3	7.4	128	14.5	11	<.04	<.8
JUL													
28...	0741	J	80020	2.49	90	749	7.0	7.1	89	24.0	10	<.04	<.8
28...	0746	J	80020	2.49	90	749	7.0	7.1	89	24.0	14	<.04	<.8
AUG													
04...	1141	9	80020	1.77	3.8	748	7.6	7.3	145	26.0	4	<.04	<.8
04...	1146	9	80020	1.77	3.6	748	7.5	7.3	145	25.5	4	<.04	<.8
17...	1056	9	80020	1.97	7.0	744	7.7	7.2	97	23.0	3	<.04	<.8
17...	1101	9	80020	1.97	7.3	744	7.7	7.2	96	23.0	4	<.04	<.8
SEP													
13...	0931	9	80020	1.88	5.2	752	7.8	7.1	126	22.0	6	<.04	<.8
20...	1421	9	80020	2.14	80	752	7.3	7.0	120	19.0	7	<.04	<.8

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT						
23...	.6	<.08	39.9	.44	<.2	1.5
23...	.7	<.08	40.2	.48	<.2	2.6
JAN						
06...	1.7	.24	17.1	.49	<.2	4.4
06...	1.7	.13	29.8	.52	<.2	4.3
22...	.7	E.07n	91.8	.51	<.2	4.2
22...	1.0	E.08n	91.6	.51	<.2	4.5
FEB						
03-03	2.1	.17	26.6	.44	<.2	5.4
FEB						
03-03	1.6	.14	25.7	.45	<.2	4.8
MAR						
03...	1.0	E.06n	64.6	.53	<.2	4.0
03...	1.0	E.07n	63.6	.54	<.2	3.6
22...	1.0	E.06n	73.8	.52	<.2	3.1
22...	1.0	E.07n	74.8	.52	<.2	3.5
APR						
05...	.9	E.07n	69.0	1.42	<.2	3.0
05...	.9	<.08	72.9	.47	<.2	2.5
MAY						
05...	1.1	.15	67.8	.63	<.2	2.7
05...	1.2	.14	65.2	.57	<.2	2.4
JUL						
28...	2.7	.15	11.8	.60	<.2	2.5
28...	2.8	.15	13.7	.59	<.2	1.9
AUG						
04...	1.6	<.08	66.8	.67	<.2	1.6
04...	1.3	<.08	70.4	.44	<.2	1.3
17...	1.5	E.05n	32.2	.54	<.2	1.7
17...	1.5	E.06n	32.2	.51	<.2	1.8
SEP						
13...	1.3	<.08	69.9	.39	<.2	2.5
20...	1.1	E.07n	245	.72	<.2	2.7

Date	Time	End time	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)
OCT													
23...	0851	--	80020	2.00	<5.0	753	9.5	93	7.3	121	14.5	<.5	<.5
JAN													
06...	0851	--	80020	2.36	97	745	9.9	87	7.2	75	9.5	E.1	<.5
22...	1131	--	80020	2.08	4.0	749	13.7	108	7.3	115	4.5	E.1	<.5
FEB													
03-03	1201	1231	80020	2.53	88	747	12.0	97	6.8	80	5.5	<.5	<.5
MAR													
03...	1046	--	80020	2.34	6.0	751	10.9	109	7.3	121	14.5	<.5	<.5
22...	0946	--	80020	2.15	4.1	755	11.2	101	7.6	124	10.5	<.5	<.5
APR													
05...	1046	--	80020	2.13	3.5	750	11.0	104	7.4	125	12.0	<.5	<.5
MAY													
05...	0901	--	80020	1.98	4.8	747	9.3	93	7.4	128	14.5	<.5	<.5
JUL													
28...	0746	--	80020	2.49	90	749	7.0	85	7.1	89	24.0	<.5	<.5
AUG													
04...	1146	--	80020	1.77	3.6	748	7.5	93	7.3	145	25.5	<.5	<.5
17...	1101	--	80020	1.97	7.3	744	7.7	92	7.2	96	23.0	<.5	<.5
SEP													
13...	0931	--	80020	1.88	5.2	752	7.8	90	7.1	126	22.0	<.5	<.5
20...	1421	--	80020	2.14	80	752	7.3	80	7.0	120	19.0	<.5	<.5

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
23...	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	<.5
JAN													
06...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	E.1	<.5	E.1
22...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	M
FEB													
03-03	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	E.1	E.1	E.1
MAR													
03...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	M
22...	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	E.1	M
APR													
05...	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	M
MAY													
05...	<.5	<.5	<2	<1	<5	<1	<1	E2	<1	<2	<.5	<.5	<.5
JUL													
28...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5	<.5
AUG													
04...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5
17...	<.5	<.5	Mt	Mt	<5	<1	<1	Mt	<1	<2	E.1t	<.5	Mt
SEP													
13...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5
20...	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.2t

Date	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)
OCT													
23...	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5	<2
JAN													
06...	<.5	<.5	E.1	<2	<2	M	<.5	E.3	M	<1	M	<.5	<2
22...	<.5	<.5	E.1	<2	<2	<1	<.5	E.3	<.5	<1	<.5	<.5	M
FEB													
03-03	<.5	<.5	E.1	<2	<2	<1	<.5	E.3	<.5	<1	<.5	<.5	M
MAR													
03...	<.5	<.5	<.5	<2	<2	<1	<.5	E.2	<.5	<1	<.5	<.5	<2
22...	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5	E1
APR													
05...	<.5	<.5	<.5	<2	<2	<1	<.5	E.2	M	<1	<.5	<.5	<2
MAY													
05...	<.5	<.5	<.5	<2	<2	<1	1.0	E.1	E.1	<1	<.5	<.5	<2
JUL													
28...	<.5	<.5	<.5	<2	<2	<1	<.5	E.3t	Mt	Mt	Mt	<.5	<2
AUG													
04...	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<.5	<1	<.5	<.5	<2
17...	<.5	<.5	<.5	Mt	Mt	Mt	<.5	E.1t	Mt	<1	<.5	<.5	E1t
SEP													
13...	<.5	<.5	<.5	<2	<2	<1	<.5	E.1t	<.5	<1	<.5	<.5	<2
20...	<.5	<.5	<.5	Mt	Mt	Mt	<.5	1.4	<.5	<1	<.5	<.5	E1t

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
23...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
JAN													
06...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	M	M
22...	<1.00	E.1	<.5	E2	<1	<.5	<1	<.5	E.1	<.5	<.5	M	<.5
FEB													
03-03	<1.00	E.1	<.5	E1	M	<.5	M	M	E.1	<.5	<.5	<.5	<.5
MAR													
03...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
22...	<1.00	M	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
APR													
05...	<1.00	M	<.5	<5	M	<.5	M	<.5	E.1	<.5	<.5	<.5	<.5
MAY													
05...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5
JUL													
28...	<1.00	.6	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5	<.5
AUG													
04...	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
17...	E.1900t	E.3t	<.5	<5	Mt	<.5	<1	Mt	<.5	<.5	<.5	Mt	<.5
SEP													
13...	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	Mt
20...	<1.00	E.4t	<.5	E1t	Mt	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5

Date	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
23...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.3	<.5	<.5	E.2
JAN													
06...	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	M	E.2	<.5	M	E.1
22...	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	.6	<.5	<.5	E.2
FEB													
03-03	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	M	<.5	<.5	M	E.1
MAR													
03...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	1.0	<.5	<.5	E.1
22...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.3	<.5	<.5	E.1
APR													
05...	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	E.3	<.5	<.5	E.1
MAY													
05...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	M	E.2	<.5	E.1	E.2
JUL													
28...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	Mt	.8	<.5	Mt	E.1t
AUG													
04...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.4t	<.5	<.5	<.5
17...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	<2	Mt	.6	<.5	Mt	E.2t
SEP													
13...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	.8	<.5	<.5	E.4t
20...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	1.3	<.5	<.5	E.3t

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT									
23...	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
JAN									
06...	<.5	E.1	M	<.5	E.1	.9	E.1	E.1	<1.00
22...	<.5	E.1	M	E.1	M	.6	E.1	E.1	<1.00
FEB									
03-03	<.5	E.1	<1	<.5	E.1	.6	E.1	E.1	<1.00
MAR									
03...	<.5	<.5	<1	<.5	<.5	<.5	<.5	E.1	<1.00
22...	<.5	<.5	<1	<.5	M	E.3	M	M	<1.00
APR									
05...	<.5	<.5	M	<.5	E.1	<.5	E.1	E.1	<1.00
MAY									
05...	<.5	<.5	<1	<.5	E.1	<.5	E.2	E.1	<1.00
JUL									
28...	<.5	E.1t	<1	<.5	E.1n	1.6	E.1t	E.1t	--u
AUG									
04...	<.5	2.0	<1	<.5	<.5	<.5	<.5	<.5	--u
17...	<.5	E.3t	<1	<.5	E.1n	E.4t	E.1t	E.1t	--u
SEP									
13...	<.5	E.2t	<1	<.5	<.5	<.5	E.3t	<.5	--u
20...	<.5	E.5t	Mt	<.5	<.5	.8	E.3t	E.1t	--u

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
23...	0825	--	1	9	81350	2.00	21	<5.0	753	9.4	93	7.7	121
JAN													
06...	0840	--	1	J	81350	2.36	51	97	745	10.0	90	7.3	75
22...	1117	--	1	9	81350	2.09	28	3.9	749	13.7	108	7.3	115
FEB													
03-03	1202	1232	1	J	81350	2.53	27	88	747	12.0	97	6.8	80
FEB													
03-03	1222	1227	1	J	81350	2.54	68	92	747	12.0	98	6.8	80
FEB													
06-06	1002	1049	1	J	81350	3.44	208	140	--	12.2	--	7.0	84
FEB													
06-06	1132	1219	1	J	81350	4.56	410	300	--	12.2	--	7.0	67
FEB													
06-06	1304	1351	1	J	81350	6.32	643	380	--	12.2	--	6.8	58
FEB													
06-06	1434	1521	1	J	81350	7.06	718	460	--	12.2	--	6.8	56
FEB													
06-06	1604	1651	1	J	81350	6.28	638	420	--	12.0	--	6.7	50
FEB													
06-06	1734	1821	1	J	81350	4.98	475	400	--	1.8	--	6.7	53
MAR													
03...	1032	--	1	9	81350	2.35	50	5.6	751	10.6	106	7.2	122
22...	0932	--	1	9	81350	2.16	33	4.0	755	11.2	101	7.6	124
APR													
05...	1027	--	1	9	81350	2.13	31	3.5	750	11.0	104	7.4	125
APR													
12-12	2336	2338	1	J	81350	2.49	63	180	--	8.6	--	7.0	84
APR													
13-13	0021	0023	1	J	81350	3.91	293	340	--	8.2	--	6.9	99
APR													
13-13	0106	0108	1	J	81350	4.20	352	400	--	8.3	--	6.8	75
APR													
13-13	0151	0153	1	J	81350	4.40	382	570	--	8.1	--	6.7	69
APR													
13-13	0236	0238	1	J	81350	4.87	459	560	--	8.4	--	6.7	59
APR													
13-13	0406	0408	1	J	81350	4.46	392	500	--	8.2	--	6.6	59
APR													
13-13	0536	0538	1	J	81350	3.97	311	370	--	8.5	--	6.6	57
APR													
13-13	0751	0753	1	J	81350	3.89	289	300	--	8.6	--	6.6	62
MAY													
05...	0917	--	1	9	81350	1.98	20	4.6	747	9.3	93	7.4	128
MAY													
31-31	0859	0901	1	J	81350	2.78	98	200	--	7.5	--	6.9	99
MAY													
31-31	0944	0946	1	J	81350	3.22	167	410	--	7.0	--	6.9	111
MAY													
31-31	1114	1116	1	J	81350	3.61	241	400	--	7.0	--	6.7	91
MAY													
31-31	1159	1201	1	J	81350	4.18	348	570	--	6.5	--	6.6	96
MAY													
31-31	1244	1246	1	J	81350	4.17	346	550	--	6.3	--	6.6	71
MAY													
31-31	1414	1416	1	J	81350	3.64	247	320	--	6.7	--	6.5	74
MAY													
31-31	1459	1501	1	J	81350	3.32	185	270	--	6.7	--	6.5	70
MAY													
31-31	1629	1631	1	J	81350	2.99	128	190	--	6.9	--	6.5	68
JUN													
07-07	1455	1457	1	J	81350	2.55	70	250	--	7.8	--	7.2	112
JUN													
07-07	1540	1542	1	J	81350	2.38	51	140	--	7.5	--	7.1	115
JUN													
07-07	1625	1627	1	J	81350	2.33	47	120	--	7.5	--	7.2	113
JUN													
07-07	1755	1757	1	J	81350	2.36	50	120	--	7.4	--	7.1	122
JUN													
15-15	1716	1803	1	J	81350	3.67	254	520	--	7.2	--	6.8	78
JUN													
15-15	1846	1848	1	J	81350	4.74	441	780	--	7.1	--	6.6	50
JUN													
15-15	1931	1933	1	J	81350	4.58	416	640	--	7.3	--	6.5	54
JUN													
15-15	2016	2018	1	J	81350	4.79	448	550	--	7.4	--	6.5	52

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
23...	14.5	3.0	1.4	16	440	1	1.1	87	30	83	6.4	35	16
JAN													
06...	9.5	13	2.3	16	600	4	.2	91	22	66	7.3	72	43
22...	4.5	8.8	2.7	14	610	3	.2	120	21	69	7.3	68	35
FEB													
03-03	5.5	13	2.7	16	490	3	.4	97	19	81	7.1	80	41
FEB													
03-03	6.0	13	2.6	16	500	3	.5	90	19	75	7.4	82	41
FEB													
06-06	6.2	7.8	4.3	7.8	510	2	.5	74	16	60	4.0	58	36
FEB													
06-06	6.4	7.5	2.4	7.5	520	2	<.2	74	16	50	3.8	61	29
FEB													
06-06	6.4	7.3	1.9	7.3	520	2	<.2	66	15	42	3.6	52	29
FEB													
06-06	6.5	7.2	1.3	6.9	520	2	<.1	54	15	37	3.3	43	26
FEB													
06-06	6.6	8.1	1.6	8.1	550	2	<.1	69	16	42	3.9	55	27
FEB													
06-06	7.0	9.2	1.4	9.3	580	2	<.2	72	19	47	4.4	52	31
MAR													
03...	14.5	5.8	4.0	9.4	420	2	.8	76	22	130	5.5	99	24
22...	10.5	5.1	1.7	8.0	560	2	1.2	130	18	59	4.6	63	19
APR													
05...	12.0	6.1	2.8	13	570	2	.7	88	28	85	8.6	110	26
APR													
12-12	15.8	6.5	3.5	7.4	480	2	.5	74	18	66	4.1	55	30
APR													
13-13	15.9	7.3	2.1	6.6	510	2	.8	55	19	76	4.4	64	28
APR													
13-13	15.3	7.1	1.6	7.2	520	2	.8	60	22	55	4.5	53	29
APR													
13-13	14.9	7.9	1.1	7.3	520	2	.7	59	20	58	4.6	59	28
APR													
13-13	14.7	7.7	.7	9.1	520	2	.6	56	19	50	4.6	48	29
APR													
13-13	14.8	7.7	2.1	11	500	2	.9	55	20	52	4.7	66	26
APR													
13-13	14.8	8.2	2.2	11	500	2	.8	59	19	55	4.8	70	30
APR													
13-13	14.8	8.4	1.7	11	500	2	.7	58	18	55	4.8	51	31
MAY													
05...	14.5	5.8	1.2	11	420	2	<.2	--o	19	55	5.0	63	28
MAY													
31-31	22.1	7.7	3.3	6.8	440	2	.9	94	19	56	4.1	57	28
MAY													
31-31	22.2	8.7	2.9	6.5	550	3	1.1	73	23	62	4.4	61	34
MAY													
31-31	21.9	8.5	2.6	7.0	560	3	.9	74	22	53	4.2	60	37
MAY													
31-31	22.1	8.0	1.9	7.8	460	2	.8	55	19	47	4.0	57	30
MAY													
31-31	22.3	8.7	2.4	7.9	500	2	1.1	60	21	49	4.2	57	31
MAY													
31-31	22.6	8.6	3.7	11	480	2	1.4	57	22	51	4.3	81	30
MAY													
31-31	22.8	9.5	3.2	11	550	3	1.1	66	22	57	4.7	83	39
MAY													
31-31	22.8	9.2	4.0	10	550	3	1.2	69	23	57	4.6	74	38
JUN													
07-07	23.1	8.8	10	6.6	500	3	.5	130	25	100	4.9	77	43
JUN													
07-07	23.1	6.4	9.7	6.9	400	2	.5	92	17	93	3.6	57	31
JUN													
07-07	22.9	7.0	8.5	5.2	510	2	.3	82	20	97	4.1	58	41
JUN													
07-07	22.4	6.1	4.9	3.4	410	2	<.1	56	14	54	3.2	44	28
JUN													
15-15	24.4	9.8	2.5	7.1	590	3	.2	82	19	73	4.6	63	37
JUN													
15-15	24.1	8.9	1.6	7.5	540	3	.3	69	16	54	4.3	60	38
JUN													
15-15	24.1	10	1.7	7.7	580	3	.2	71	18	59	4.6	60	38
JUN													
15-15	24.0	9.1	2.0	8.9	510	3	.3	60	18	48	4.6	53	35

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
23...	13000	.07	14	74	1	1	340	<50	.140	60	500	<50	2
JAN													
06...	1800	.09	4	44	1	<.5	57	<50	.580	140	360	<50	36
22...	2500	--o	6	59	1	<1	100	<100	.480	100	470	<100	2
FEB													
03-03	1000	.10	4	38	1	<1	55	<100	.550	140	360	<100	37
FEB													
03-03	1100	.14	4	39	1	<1	50	<100	.540	160	370	<100	41
FEB													
06-06	1100	--o	4	85	M	<1	190	<100	.410	85	260	<100	175
FEB													
06-06	960	.06	3	29	M	<1	110	<100	.480	89	240	<100	426
FEB													
06-06	910	.05	3	26	M	<1	95	<100	.480	86	200	<100	631
FEB													
06-06	970	.07	3	24	M	1	80	<50	.450	81	170	<50	749
FEB													
06-06	1100	.05	3	26	M	M	82	<50	.500	92	210	<50	557
FEB													
06-06	1200	.05	3	33	M	<1	89	<100	.530	110	220	<100	404
MAR													
03...	2700	--o	5	33	1	<1	67	<100	.330	73	270	<100	2
22...	3200	--o	6	56	1	<2	130	<150	.320	68	270	<150	2
APR													
05...	7400	--o	10	44	2	<2	140	<150	.370	89	430	<150	2
APR													
12-12	1800	--o	4	39	M	<1	180	<100	.450	84	270	<100	258
APR													
13-13	1700	.15	3	31	M	<1	96	<100	.500	92	320	<100	887
APR													
13-13	2200	.10	3	31	M	<1	110	<100	.510	91	270	<100	656
APR													
13-13	1700	.05	3	29	M	<1	89	<100	.510	92	270	<100	789
APR													
13-13	1800	.06	3	30	M	<1	90	<100	.530	96	250	<100	890
APR													
13-13	2100	<.01	5	29	M	<1	85	<100	.510	98	330	<100	679
APR													
13-13	1800	.09	4	31	M	<1	96	<100	.530	100	330	<100	409
APR													
13-13	1600	--o	4	30	1	<.5	130	<50	.500	100	290	<50	303
MAY													
05...	1900	.09	--o	--o	M	<1	280	<100	.370	76	280	<100	2
MAY													
31-31	1900	.14	6	44	M	3	110	<100	.470	73	240	<100	402
MAY													
31-31	2900	.10	6	36	M	3	120	<100	.510	78	270	<100	570
MAY													
31-31	2500	.11	6	34	M	2	110	<100	.510	81	260	<100	631
MAY													
31-31	2200	.13	5	30	M	2	76	<50	.480	67	250	<50	948
MAY													
31-31	2500	.12	6	31	M	2	79	<100	.530	77	290	<100	739
MAY													
31-31	2700	.10	8	31	M	3	97	<150	.500	78	340	<150	399
MAY													
31-31	2900	--o	9	33	M	2	110	<50	.520	89	370	<50	307
MAY													
31-31	2900	--o	10	34	M	2	150	<100	.500	88	350	<100	196
JUN													
07-07	1800	--o	9	62	1	<1	150	<100	.490	92	420	<100	262
JUN													
07-07	1700	--o	7	47	M	<2	220	<150	.350	67	360	<150	122
JUN													
07-07	2500	--o	11	42	M	<2	330	<200	.360	76	350	<200	106
JUN													
07-07	1500	--o	8	29	M	<2	340	<250	.290	55	220	<250	116
JUN													
15-15	1100	.11	3	40	M	<1	100	<100	.620	120	250	<100	734
JUN													
15-15	920	.10	2	34	M	<.5	80	<50	.560	110	200	<50	898
JUN													
15-15	1000	.08	3	35	M	<1	90	<100	.630	110	220	<100	739
JUN													
15-15	940	.04	4	32	M	1	87	<100	.570	110	240	<100	703

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
JUN													
15-16	2144	0130	1	J	81350	3.66	251	300	--	7.1	--	6.4	54
JUL													
28...	0742	--	1	J	81350	2.49	64	90	749	7.0	85	7.1	89
AUG													
04...	1142	--	1	9	81350	1.77	7.8	3.8	748	7.6	96	7.3	145
17...	1057	--	1	9	81350	1.97	19	7.0	744	7.7	92	7.2	97
SEP													
13...	0932	--	1	9	81350	1.88	14	4.0	752	7.8	90	7.1	126
20...	1422	--	1	9	81350	2.14	32	80	752	7.3	80	7.0	120

Date	Temper-ature, water, deg C (00010)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
JUN													
15-16	24.3	9.6	1.8	8.9	460	2	.3	55	17	47	4.4	55	34
JUL													
28...	24.0	12	1.8	13	600	3	.5	98	24	71	6.1	100	42
AUG													
04...	26.0	7.0	2.3	15	260	2	.4	150	15	53	5.2	61	32
17...	23.0	7.7	2.1	20	420	2	.6	320	15	71	5.6	53	28
SEP													
13...	22.0	8.0	1.3	14	520	2	.2	170	17	45	5.3	58	33
20...	19.0	5.8	2.3	10	490	2	<.2	54	18	32	3.4	30	31

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
JUN													
15-16	1100	<.01	4	29	M	<.5	96	<50	.520	100	230	<50	396
JUL													
28...	1800	.19	4	46	1	M	67	<50	.620	140	290	<50	58
AUG													
04...	2400	--o	15	83	1	<.5	350	<50	.350	87	220	<50	2
17...	1700	.10	31	200	2	2	200	<100	.410	110	270	<100	2
SEP													
13...	1400	.04	15	89	1	<1	230	<100	.530	99	200	<100	3
20...	2900	--o	7	25	2	<1	560	<100	.260	71	160	<100	81

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
   e -- See field comment
   k -- Counts outside acceptable range
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL
   u -- Value reported not confirmable, interfer
   y -- Sample variability described in comment

2004 Water Year

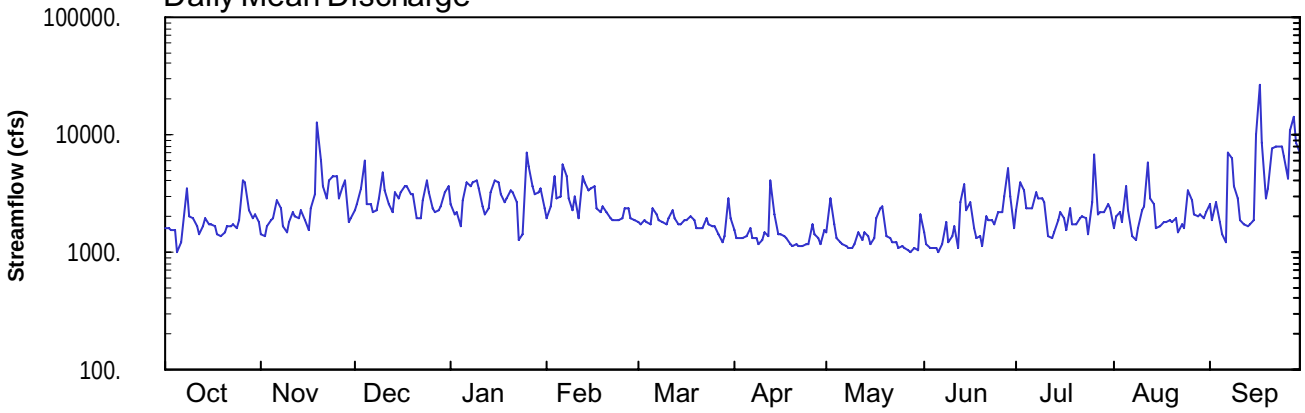
APALACHICOLA RIVER BASIN

02336490 CHATTAHOOCHEE RIVER AT GA 280, NEAR ATLANTA, GA

Latitude: 33°49'01" Longitude: 084°28'48" Hydrologic Unit Code: 03130002

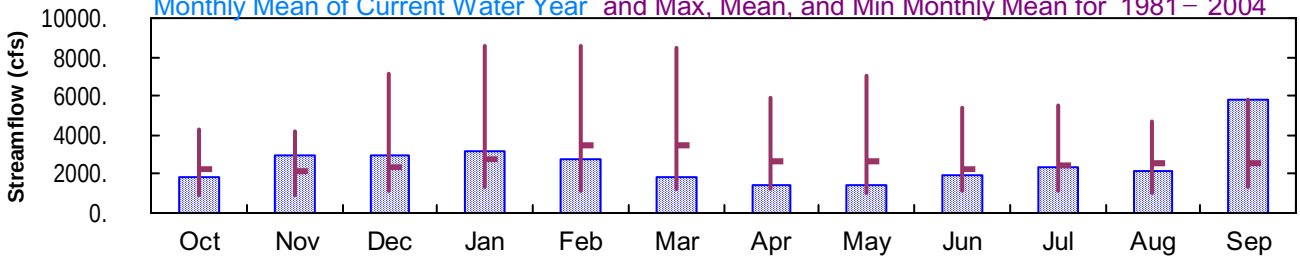
Fulton County Datum: 736.35 feet Drainage Area: 1590. mi²

Daily Mean Discharge

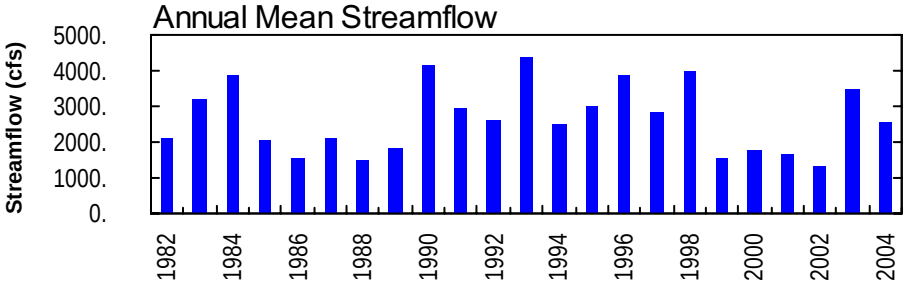


Monthly Statistics

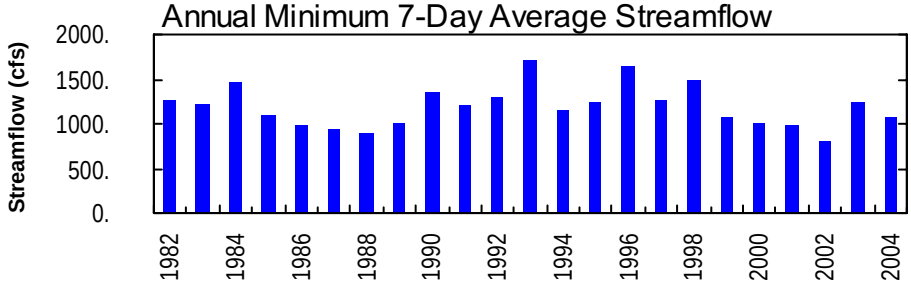
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1981 – 2004



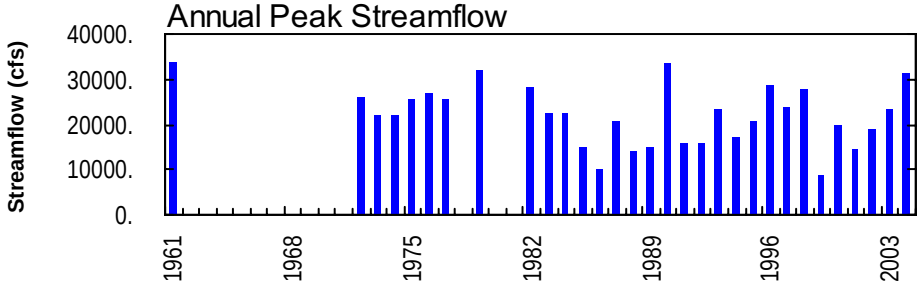
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02336490 CHATTAHOOCHEE RIVER AT GA 280, NEAR ATLANTA, GA

LOCATION.—Lat 33°49'01", long 84°28'48", referenced to North American Datum (NAD) of 1983, Fulton-Cobb County line, Hydrologic Unit 03130002, on downstream side of bridge on GA 280, 0.6 miles upstream from Norfolk-Southern Railway bridge, 1.7 miles downstream from Peachtree Creek, and at mile 298.8.

DRAINAGE AREA.—1,590 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1981 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 736.35 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Lake Sidney Lanier. Considerable diurnal fluctuation caused by the operation of the Morgan Falls hydroelectric plant.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of April 13, 1979, reached a stage of 30.71 feet from flood marks, discharge, 32,000 cfs.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1981 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 736.35 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 30.29 feet, September 17; minimum gage-height recorded, 3.48 feet, June 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 9, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336490 CHATTAHOOCHEE RIVER AT GA 280, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334901 LONGITUDE 0842848 NAD83 DRAINAGE AREA 1590.00* CONTRIBUTING DRAINAGE AREA DATUM 736.35 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1620	1440	2310	2600	1950	1790	1550	1450	1470	2230	1620	2560
2	1600	1340	2530	2100	2500	1750	1320	2840	1180	3950	2030	1870
3	1560	1660	3460	2170	4480	1840	1320	1690	1070	3300	2200	2670
4	1510	1860	6100	1690	2870	1800	1330	1290	1090	2390	1790	1800
5	1010	1920	2560	2740	2980	1740	1380	1220	1100	2400	3600	1420
6	1210	2720	2540	3940	5500	2400	1580	1150	1020	2360	2240	1200
7	1700	2330	2180	3590	4350	2090	1290	1110	1160	3210	1370	e6910
8	3550	1690	2260	3920	2880	1870	1320	1090	1820	2870	1270	e6220
9	2030	1470	2910	4040	2250	1790	1160	1080	1220	2900	1610	3590
10	1970	1830	4760	3510	3000	1700	1260	1150	1360	2680	2230	2880
11	1680	2220	3310	2480	1970	1930	1510	1480	1660	1370	2460	1890
12	1400	2020	2500	2130	4330	2230	1370	1270	1060	1320	5840	1740
13	1650	1910	2170	2400	3860	1970	4060	1460	2670	1480	2830	1630
14	1930	2270	3190	3280	3400	1710	2130	1350	3760	1840	2540	1700
15	1720	1890	2900	4060	3470	1760	1440	1180	2280	2180	1590	1900
16	1750	1520	3180	3870	3650	1900	1410	1290	2700	1980	1670	9880
17	1640	2370	3640	3140	2350	1830	1370	1950	1590	1550	1830	26100
18	1410	3100	3610	2690	2140	2000	1320	2340	1330	2400	1790	8400
19	1360	12800	3160	2830	2420	1850	1180	2450	1350	1710	1870	2870
20	1500	6130	3120	3340	2190	1580	1130	1390	1110	1700	1770	3540
21	1660	3570	1980	3170	1930	1590	1170	1320	2020	1940	1960	7560
22	1660	2900	1970	2660	1880	1610	1140	1220	1890	1990	1460	7910
23	1710	4070	2730	1280	1850	e1950	1140	1200	1870	1920	1750	7860
24	1620	4400	4150	1410	1870	1740	1160	1060	1730	1400	1590	7900
25	1880	4320	3240	6960	1930	e1690	1150	1120	2190	2630	3320	6480
26	4090	2910	2370	5450	2400	e1670	1720	1080	2180	6870	2800	4200
27	3990	3680	2180	3610	2360	1410	1440	1030	3020	2110	2060	10700
28	2250	4020	2250	3140	1980	1190	1300	984	5130	2170	1990	14000
29	1930	1820	2410	3210	1860	1350	1170	1100	3030	2210	2130	8610
30	2090	1910	3270	3500	---	2820	1540	1060	1610	2510	1930	7160
31	1800	---	3630	2400	---	1960	---	2100	---	2390	2160	---
TOTAL	58480	88090	92570	97310	80600	56510	43360	43504	56670	73960	67300	173150
MEAN	1886	2936	2986	3139	2779	1823	1445	1403	1889	2386	2171	5772
MAX	4090	12800	6100	6960	5500	2820	4060	2840	5130	6870	5840	26100
MIN	1010	1340	1970	1280	1850	1190	1130	984	1020	1320	1270	1200
CFSM	1.19	1.85	1.88	1.97	1.75	1.15	0.91	0.88	1.19	1.50	1.37	3.63
IN.	1.37	2.06	2.17	2.28	1.89	1.32	1.01	1.02	1.33	1.73	1.57	4.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

MEAN	2204	2149	2373	2794	3441	3438	2648	2663	2291	2486	2566	2557
MAX	4289	4173	7191	8529	8606	8512	5962	7008	5412	5501	4664	5772
(WY)	1992	1993	1993	1993	1990	1990	1983	2003	2003	2003	1994	2004
MIN	961	872	1132	1325	1153	1274	1195	1065	1096	1099	1068	1329
(WY)	2002	2002	2002	1989	2002	1988	1986	1988	1988	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	1319630		931504			
ANNUAL MEAN	3615		2545		2648	
HIGHEST ANNUAL MEAN					4394	1993
LOWEST ANNUAL MEAN					1316	2002
HIGHEST DAILY MEAN	21000	May 6	26100	Sep 17	29800	Mar 17 1990
LOWEST DAILY MEAN	1010	Oct 5	984	May 28	768	Nov 11 2001
ANNUAL SEVEN-DAY MINIMUM	1390	Jan 14	1060	May 24	800	Nov 10 2001
MAXIMUM PEAK FLOW			31000	Sep 17	33300	Mar 17 1990
MAXIMUM PEAK STAGE			30.29	Sep 17	31.51	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.27		1.60		1.67	
ANNUAL RUNOFF (INCHES)	30.87		21.79		22.63	
10 PERCENT EXCEEDS	6730		4030		5170	
50 PERCENT EXCEEDS	2800		1970		1840	
90 PERCENT EXCEEDS	1480		1220		1120	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336490 CHATTAHOOCHEE RIVER AT GA 280, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334901 LONGITUDE 0842848 NAD83 DRAINAGE AREA 1590.00* CONTRIBUTING DRAINAGE AREA DATUM 736.35 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.04	4.74	6.05	6.56	5.53	5.36	4.92	4.75	4.78	6.03	5.06	6.48
2	5.00	4.53	6.47	5.75	6.31	5.29	4.51	6.88	4.23	8.30	5.72	5.48
3	4.97	5.11	7.68	5.84	8.99	5.45	4.50	5.18	4.00	7.48	5.98	6.66
4	4.86	5.46	10.75	5.14	6.90	5.38	4.53	4.47	4.03	6.22	5.36	5.36
5	3.89	5.53	6.37	6.64	7.09	5.28	4.58	4.33	4.07	6.28	7.17	4.69
6	4.29	6.74	6.49	8.34	9.89	6.26	4.96	4.17	3.88	6.21	6.50	4.27
7	5.17	6.19	5.96	7.90	8.81	5.83	4.46	4.10	4.13	7.38	4.60	---
8	7.75	5.18	6.03	8.32	6.97	5.49	4.50	4.05	5.40	6.95	4.42	---
9	5.72	4.80	7.01	8.47	6.05	5.36	4.20	4.04	4.31	6.99	5.02	7.91
10	5.59	5.36	9.28	7.77	7.13	5.21	4.38	4.17	4.58	6.61	5.99	6.95
11	5.16	6.02	7.54	6.38	5.62	5.58	4.86	4.79	5.09	4.61	6.35	5.52
12	4.67	5.72	6.44	5.85	8.67	6.04	4.58	4.41	3.99	4.50	10.34	5.23
13	5.09	5.45	5.93	6.15	8.25	5.60	8.44	4.79	6.61	4.78	6.87	5.05
14	5.53	6.06	7.36	7.49	7.65	5.22	5.89	4.57	7.91	5.39	6.48	5.19
15	5.21	5.43	6.98	8.50	7.72	5.30	4.73	4.24	5.87	5.91	5.00	5.52
16	5.28	4.86	7.36	8.26	7.97	5.53	4.69	4.41	6.68	5.65	5.13	11.04
17	5.07	6.13	7.95	7.31	6.19	5.41	4.60	5.48	5.01	4.93	5.34	27.09
18	4.66	7.22	7.93	6.67	5.89	5.67	4.51	6.12	4.53	6.28	5.32	14.29
19	4.57	17.18	7.34	6.88	6.33	5.42	4.24	6.35	4.57	5.20	5.44	7.03
20	4.82	10.82	7.29	7.53	5.98	4.99	4.13	4.65	4.08	5.13	5.28	7.86
21	5.13	7.86	5.59	7.36	5.59	5.01	4.23	4.51	5.48	5.55	5.60	12.33
22	5.15	6.97	5.61	6.66	5.50	5.05	4.16	4.31	5.49	5.64	4.78	12.65
23	5.22	8.49	6.74	4.43	5.46	---	4.15	4.27	5.47	5.55	5.25	12.60
24	5.06	8.89	8.60	4.61	5.49	5.23	4.20	3.99	5.25	4.65	4.98	12.65
25	5.48	8.80	7.44	11.56	5.58	---	4.18	4.10	5.94	5.95	7.26	11.23
26	8.12	6.93	6.15	10.03	6.29	---	5.17	4.03	5.96	11.46	6.84	8.69
27	8.39	7.97	5.89	7.93	6.24	4.68	4.74	3.92	6.46	5.77	5.78	13.68
28	6.01	8.34	6.05	7.31	5.66	4.26	4.47	3.81	9.71	5.83	5.66	19.46
29	5.57	5.39	6.27	7.41	5.48	4.55	4.21	4.06	7.12	5.98	5.87	13.32
30	5.83	5.51	7.48	7.77	---	6.82	4.93	3.99	5.05	6.46	5.57	11.96
31	5.33	---	7.96	6.30	---	5.59	---	5.69	---	6.27	5.90	---
MEAN	5.41	6.79	7.03	7.20	6.73	---	4.69	4.60	5.32	6.13	5.83	---
MAX	8.39	17.18	10.75	11.56	9.89	---	8.44	6.88	9.71	11.46	10.34	---
MIN	3.89	4.53	5.59	4.43	5.46	---	4.13	3.81	3.88	4.50	4.42	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336490 CHATTAHOOCHEE RIVER AT GA 280, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334901 LONGITUDE 0842848 NAD83 DRAINAGE AREA 1590.00* CONTRIBUTING DRAINAGE AREA DATUM 736.35 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.10	0.00	0.25
2	0.00	0.00	0.00	0.00	---	0.05	0.00	0.27	0.00	0.15	0.19	0.26
3	0.00	0.00	0.04	0.00	---	0.00	0.00	0.00	0.00	0.02	0.00	0.00
4	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
5	0.00	0.52	0.01	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00
6	0.11	0.26	0.00	0.00	---	0.30	0.00	0.00	0.00	0.00	0.00	---
7	0.07	0.00	0.00	0.00	---	0.00	0.00	0.00	0.80	0.12	0.00	---
8	1.10	0.00	0.00	---	0.00	0.00	0.03	0.00	0.01	0.00	0.00	---
9	0.00	0.00	0.00	---	0.00	0.02	0.00	0.05	0.01	0.00	0.00	0.00
10	0.00	0.00	1.04	0.00	0.07	0.00	0.00	0.00	0.00	0.20	0.01	0.00
11	0.00	0.00	0.00	0.00	0.21	0.00	0.25	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.83	0.00	0.42	0.24	0.00	0.04	1.33	0.00
13	0.00	0.00	0.43	0.00	---	0.00	0.57	0.04	---	0.00	0.00	0.02
14	0.04	0.00	0.16	0.00	---	0.00	0.00	0.00	---	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	---	0.00	0.06	0.01
16	0.00	0.01	0.24	0.00	---	0.21	0.00	0.02	---	0.00	0.00	5.31
17	0.11	0.38	0.11	0.27	0.00	0.00	0.00	0.00	---	0.08	0.00	0.07
18	0.00	1.21	0.00	0.07	0.00	0.00	0.00	0.05	0.00	0.01	0.00	0.00
19	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
21	0.00	0.00	0.00	0.00	0.02	0.06	0.00	0.00	0.37	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.19	0.00	0.00	0.00
23	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
24	0.00	0.27	0.00	0.01	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.00
25	0.00	0.00	0.00	2.25	0.14	0.00	0.00	0.00	0.18	3.67	1.20	0.00
26	1.90	0.00	0.00	0.06	0.45	0.00	0.73	0.00	0.03	0.90	0.00	0.00
27	0.00	0.90	0.00	0.00	0.03	0.00	0.00	0.00	1.07	0.00	0.00	4.70
28	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.01	0.00	0.01
29	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.40	0.00
30	0.00	0.00	0.21	0.00	---	0.72	0.03	0.00	0.29	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.04	---	0.63	---	0.00	0.00	---
TOTAL	3.34	4.68	3.18	---	---	1.40	2.03	1.93	---	5.35	3.67	---

2004 Water Year

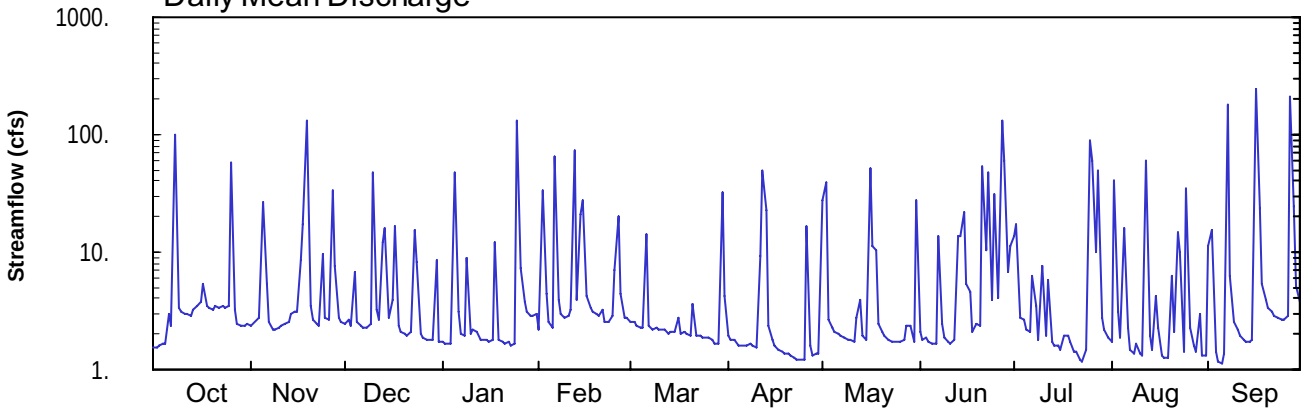
APALACHICOLA RIVER BASIN

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA

Latitude: 33°46'32" Longitude: 084°26'27" Hydrologic Unit Code: 03130002

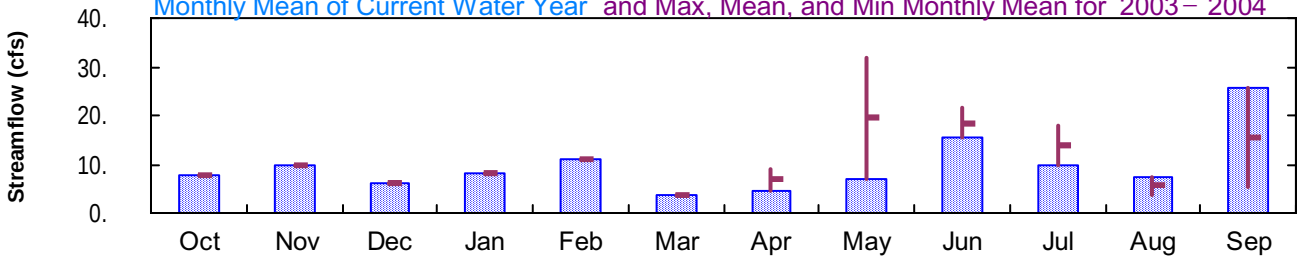
Fulton County Datum: feet Drainage Area: 7.2 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 and 2004 Water Years

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA

LOCATION.—Lat 33°46'32", long 84°26'27", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on downstream side of bridge on Hortense Way, 0.2 miles north of US 78, 3.2 miles east of Interstate 285, 2.9 miles west of Interstate 75/85.

DRAINAGE AREA.—7.20 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 830.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1, 2003 to current year.

REVISION.—WDR GA-04-01: 2003 water year daily values.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 830.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage height recorded, 13.95 feet, September 16; minimum gage height recorded, 1.05 feet, May 15, June 5-7, 11-13.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 1, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334632 LONGITUDE 0842627 NAD27 DRAINAGE AREA 7.20* CONTRIBUTING DRAINAGE AREA DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.3	2.4	1.7	2.1	2.6	1.9	28	2.1	14	1.7	11
2	1.6	2.4	2.6	1.7	34	2.5	1.8	38	1.8	17	41	16
3	1.6	2.7	2.4	1.7	4.4	2.4	1.8	2.6	1.8	2.7	3.1	1.4
4	1.7	2.8	6.7	1.7	2.5	2.3	1.6	2.3	1.7	2.7	1.9	1.2
5	1.6	27	2.6	47	2.3	2.3	1.6	2.1	1.7	2.2	16	1.1
6	3.0	5.4	2.4	3.0	64	14	1.6	2.0	1.6	2.1	2.3	1.4
7	2.4	2.5	2.3	2.0	3.9	2.4	1.6	1.9	14	6.3	1.5	e180
8	e100	2.2	2.3	1.9	3.0	2.2	1.6	1.8	2.4	3.5	1.4	6.3
9	3.3	2.1	2.5	9.1	2.8	2.3	1.6	1.8	1.9	1.8	1.7	2.5
10	3.1	2.2	47	2.0	2.9	2.2	1.6	1.8	1.8	7.6	1.4	2.2
11	3.0	2.3	3.2	2.2	3.3	2.2	9.2	1.8	1.7	2.0	1.3	1.9
12	3.0	2.4	2.7	2.1	72	2.1	e50	2.7	1.8	5.8	61	1.8
13	2.9	2.6	12	1.8	3.9	2.0	23	4.0	14	1.8	1.9	1.7
14	3.2	3.0	16	1.8	21	2.1	2.4	1.9	14	1.6	1.5	1.7
15	3.5	3.1	2.8	1.8	28	2.1	1.8	1.8	22	1.6	4.3	1.8
16	3.7	3.1	4.0	1.7	4.3	2.7	1.6	52	5.3	1.5	2.3	e250
17	5.3	8.5	17	1.8	3.4	2.1	1.5	11	4.7	1.9	1.3	23
18	3.5	17	2.4	12	3.1	2.1	1.4	10	2.1	1.9	1.3	5.4
19	3.4	e130	2.1	1.8	3.0	2.0	1.4	2.5	2.4	1.7	1.2	3.9
20	3.3	3.5	2.0	1.7	2.8	2.0	1.4	2.1	2.4	1.4	6.2	3.4
21	3.5	2.7	1.9	1.7	3.2	3.7	1.3	1.9	53	1.4	2.1	3.1
22	3.4	2.4	2.1	1.7	2.6	1.9	1.3	1.8	10	1.2	15	2.9
23	3.5	2.3	15	1.6	2.5	1.9	1.2	1.7	48	1.2	10	2.8
24	3.4	9.5	8.2	1.6	2.9	1.9	1.2	1.7	3.9	1.5	1.4	2.7
25	3.4	2.7	2.0	129	7.0	1.9	1.2	1.7	31	e90	35	2.6
26	59	2.6	1.9	7.2	20	1.8	16	1.7	4.1	61	2.2	2.8
27	3.3	33	1.8	3.7	4.4	1.8	1.6	1.8	e130	e10	1.6	e210
28	2.5	7.7	1.8	3.1	2.8	1.7	1.3	2.3	61	e50	1.4	24
29	2.4	2.8	1.8	2.9	2.7	1.7	1.3	2.4	6.7	2.7	3.0	5.2
30	2.4	2.5	8.5	2.9	---	32	1.3	1.7	11	2.2	1.3	3.7
31	2.4	---	1.8	2.9	---	4.2	---	27	---	1.9	1.3	---
TOTAL	243.8	295.3	184.2	258.8	314.8	111.1	138.1	217.8	459.9	304.2	228.6	777.5
MEAN	7.86	9.84	5.94	8.35	10.9	3.58	4.60	7.03	15.3	9.81	7.37	25.9
MAX	100	130	47	129	72	32	50	52	130	90	61	250
MIN	1.5	2.1	1.8	1.6	2.1	1.7	1.2	1.7	1.6	1.2	1.2	1.1
MED	3.2	2.7	2.4	1.9	3.2	2.1	1.6	2.0	4.0	2.1	1.9	2.8
AC-FT	484	586	365	513	624	220	274	432	912	603	453	1540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	7.86	9.84	5.94	8.35	10.9	3.58	6.80	19.4	18.5	14.0	5.55	15.7
MAX	7.86	9.84	5.94	8.35	10.9	3.58	9.01	31.8	21.6	18.1	7.37	25.9
(WY)	2004	2004	2004	2004	2004	2004	2003	2003	2003	2003	2004	2004
MIN	7.86	9.84	5.94	8.35	10.9	3.58	4.60	7.03	15.3	9.81	3.74	5.44
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	3534.1			
ANNUAL MEAN	9.66		9.66	
HIGHEST ANNUAL MEAN			9.66	2004
LOWEST ANNUAL MEAN			9.66	2004
HIGHEST DAILY MEAN	e 250	Sep 16	263	Jul 1 2003
LOWEST DAILY MEAN	1.1	Sep 5	1.1	Sep 11 2003
ANNUAL SEVEN-DAY MINIMUM	1.3	Apr 19	1.2	Sep 7 2003
MAXIMUM PEAK STAGE	13.95	Sep 16	13.95	Sep 16 2004
ANNUAL RUNOFF (AC-FT)	7010		7000	
10 PERCENT EXCEEDS	21		21	
50 PERCENT EXCEEDS	2.4		2.4	
90 PERCENT EXCEEDS	1.6		1.6	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334632 LONGITUDE 0842627 NAD27 DRAINAGE AREA 7.20* CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.16	1.23	1.19	1.13	1.17	1.20	1.15	1.52	1.11	1.44	1.14	1.31
2	1.17	1.24	1.20	1.13	1.62	1.19	1.14	1.66	1.08	1.50	1.53	1.42
3	1.17	1.25	1.19	1.13	1.29	1.19	1.14	1.14	1.08	1.21	1.23	1.10
4	1.18	1.26	1.37	1.13	1.19	1.18	1.12	1.12	1.07	1.20	1.15	1.08
5	1.18	1.62	1.20	1.73	1.18	1.18	1.12	1.10	1.07	1.17	1.36	1.07
6	1.23	1.36	1.18	1.22	1.93	1.43	1.12	1.10	1.06	1.16	1.17	1.10
7	1.23	1.25	1.18	1.16	1.28	1.18	1.12	1.09	1.29	1.23	1.11	3.00
8	2.09	1.22	1.18	1.15	1.23	1.17	1.13	1.08	1.13	1.22	1.10	1.36
9	1.30	1.22	1.19	1.38	1.21	1.18	1.12	1.08	1.09	1.14	1.12	1.19
10	1.28	1.23	1.88	1.16	1.22	1.17	1.12	1.08	1.08	1.29	1.10	1.17
11	1.28	1.23	1.24	1.16	1.22	1.17	1.31	1.08	1.07	1.15	1.09	1.15
12	1.27	1.24	1.21	1.16	2.08	1.17	1.52	1.13	1.08	1.26	1.87	1.14
13	1.27	1.25	1.41	1.14	1.28	1.16	1.58	1.19	1.33	1.14	1.15	1.13
14	1.29	1.28	1.49	1.14	1.63	1.16	1.18	1.09	1.31	1.12	1.11	1.13
15	1.31	1.28	1.21	1.14	1.68	1.16	1.14	1.08	1.42	1.12	1.18	1.14
16	1.32	1.29	1.22	1.13	1.30	1.20	1.12	1.56	1.27	1.11	1.16	3.72
17	1.37	1.38	1.48	1.14	1.25	1.16	1.11	1.37	1.24	1.14	1.09	1.71
18	1.31	1.45	1.18	1.41	1.24	1.16	1.10	1.34	1.11	1.14	1.09	1.35
19	1.30	2.22	1.16	1.14	1.22	1.16	1.10	1.13	1.12	1.12	1.08	1.28
20	1.29	1.26	1.16	1.13	1.22	1.15	1.10	1.10	1.12	1.10	1.23	1.25
21	1.31	1.21	1.15	1.13	1.24	1.23	1.09	1.09	1.68	1.10	1.15	1.23
22	1.30	1.19	1.16	1.13	1.20	1.15	1.09	1.08	1.37	1.08	1.22	1.22
23	1.31	1.18	1.35	1.12	1.19	1.15	1.08	1.07	1.62	1.07	1.32	1.21
24	1.30	1.38	1.34	1.13	1.22	1.15	1.08	1.07	1.21	1.10	1.10	1.21
25	1.30	1.21	1.16	2.76	1.35	1.15	1.08	1.07	1.55	1.84	1.51	1.20
26	2.00	1.20	1.15	1.40	1.66	1.14	1.47	1.07	1.23	1.95	1.17	1.22
27	1.29	1.68	1.14	1.27	1.30	1.14	1.12	1.08	2.29	1.39	1.12	3.71
28	1.24	1.41	1.14	1.23	1.21	1.13	1.09	1.11	1.85	1.80	1.10	1.71
29	1.24	1.21	1.14	1.22	1.21	1.13	1.10	1.12	1.38	1.21	1.19	1.34
30	1.23	1.19	1.33	1.22	---	1.66	1.10	1.07	1.39	1.17	1.09	1.27
31	1.24	---	1.14	1.22	---	1.25	---	1.44	---	1.15	1.09	---
MEAN	1.31	1.32	1.25	1.25	1.35	1.19	1.16	1.17	1.29	1.25	1.20	1.47
MAX	2.09	2.22	1.88	2.76	2.08	1.66	1.58	1.66	2.29	1.95	1.87	3.72
MIN	1.16	1.18	1.14	1.12	1.17	1.13	1.08	1.07	1.06	1.07	1.08	1.07

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334632 LONGITUDE 0842627 NAD27 DRAINAGE AREA 7.20* CONTRIBUTING DRAINAGE AREA DATUM

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	---	0.00	0.96	0.00	0.23	0.00	0.00
2	0.00	0.00	0.00	0.00	0.53	0.02	0.00	0.30	0.00	0.06	0.87	0.01
3	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.01	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
5	0.00	0.40	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00
6	0.14	0.14	0.00	0.00	0.50	0.34	0.00	0.00	0.00	0.02	0.00	0.09
7	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.11	0.00	2.56
8	1.64	0.00	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.01
9	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
10	0.01	0.00	0.96	0.00	0.01	0.01	0.00	0.00	0.00	0.20	0.01	0.00
11	0.00	0.00	0.00	0.00	---	0.00	0.26	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	---	0.00	0.71	0.21	0.00	0.24	---	0.00
13	0.00	0.00	0.41	0.00	---	0.00	0.37	0.09	0.12	0.00	---	0.00
14	0.01	0.00	0.20	0.00	---	0.00	0.00	0.00	0.03	0.00	---	0.00
15	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.54	0.00	---	0.00
16	0.00	0.03	0.19	0.00	---	0.07	0.00	0.64	0.26	0.00	---	1.26
17	0.14	0.17	0.11	0.20	---	0.00	0.00	0.11	0.07	0.08	---	0.51
18	0.00	0.72	0.00	0.06	---	0.00	0.00	0.32	0.00	0.00	0.00	0.00
19	0.00	1.60	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.30	0.00
21	0.00	0.00	0.00	0.00	---	0.13	0.00	0.00	0.59	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.43	0.00	0.19	0.00
23	0.00	0.00	0.47	0.00	---	0.00	0.00	0.00	0.43	0.00	0.01	0.00
24	0.00	0.29	0.00	0.01	---	0.00	0.00	0.00	0.02	0.02	0.00	0.00
25	0.00	0.00	0.00	1.35	---	0.00	0.00	0.00	0.33	2.09	0.92	0.00
26	1.26	0.01	0.00	0.01	---	0.00	0.55	0.00	0.03	0.42	0.00	0.00
27	0.01	0.95	0.00	0.00	---	0.00	0.00	0.00	1.37	0.47	0.00	0.00
28	0.00	0.08	0.00	0.00	---	0.00	0.00	0.00	0.78	0.39	0.00	0.00
29	0.00	0.00	0.07	0.00	---	0.00	0.00	0.01	0.01	0.00	0.24	0.00
30	0.00	0.01	0.11	0.00	---	0.96	0.04	0.00	0.19	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.09	---	0.61	---	0.00	0.00	---
TOTAL	3.40	4.41	2.89	2.49	---	---	1.95	3.26	5.56	4.38	---	4.44

APALACHICOLA RIVER BASIN
2004 Water Year

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA

LOCATION.—Lat 33°46'32", long 84°26'27", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, on downstream side of bridge on Hortense Way, 0.2 miles north of US 78, 3.2 miles east of Interstate 285, and 2.9 miles west of Interstate 75/85.

DRAINAGE AREA.—7.20 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 21, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
21...	0855	9	9	81345	1.35	3.5	2.1	745	8.4	84	7.3	294	14.5
21...	0915	9	9	81345	1.35	3.5	2.2	745	8.2	82	7.3	293	14.5
JAN													
12...	0930	9	9	81345	1.18	1.8	10	752	12.6	94	6.7	264	3.0
12...	0945	9	9	81345	1.18	1.8	10	752	12.6	94	6.7	264	3.0
29...	1135	9	9	81345	1.26	2.9	9.6	746	12.8	99	7.2	282	3.5
29...	1155	9	9	81345	1.26	2.9	4.3	746	12.8	99	7.2	281	3.5
FEB													
10...	1015	9	9	81345	1.25	2.7	8.5	--	--	--	7.3	277	--
10...	1030	9	9	81345	1.25	2.7	8.5	--	--	--	7.3	277	--
MAR													
09...	0915	9	9	81345	1.22	2.3	6.0	749	10.3	92	7.3	285	9.5
09...	0930	9	9	81345	1.22	2.3	6.4	739	10.0	89	7.3	285	9.0
31...	1115	9	9	81345	1.21	2.2	11	742	8.9	90	7.2	219	14.5
31...	1130	9	9	81345	1.21	2.2	11	742	8.9	90	7.2	219	14.5
APR													
15...	0800	9	9	81345	1.18	1.8	7.7	747	10.1	92	7.1	250	10.5
15...	0815	9	9	81345	1.18	1.8	8.3	747	10.1	92	7.2	251	10.5
MAY													
13...	0915	9	9	81345	1.14	1.9	6.8	750	6.0	68	7.1	241	20.5
13...	0930	9	9	81345	1.14	1.9	6.6	750	6.0	68	7.1	241	20.5
20...	0800	9	9	81345	1.15	2.0	5.9	751	6.6	74	7.5	240	20.5
20...	0805	9	9	81345	1.15	2.0	5.0	751	6.4	72	7.2	242	20.5
JUN													
08...	1215	9	J	81345	1.15	2.0	19	751	5.4	62	7.0	178	21.5
08...	1225	9	J	81345	1.15	2.0	20	751	5.4	62	7.0	178	21.5
JUL													
12...	1100	9	9	81345	1.17	1.7	6.7	--	5.7	--	7.2	277	25.0
12...	1110	9	9	81345	1.17	1.7	6.7	--	5.7	--	7.2	277	25.0
AUG													
10...	0740	9	9	81345	1.14	1.4	9.6	749	7.0	81	7.3	337	21.5
10...	0745	9	9	81345	1.14	1.4	5.4	749	6.9	80	7.2	337	21.5
SEP													
20...	1245	9	9	81345	1.31	3.7	4.4	770	8.5	88	7.3	315	17.5

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
OCT													
21...	91	12	26.6	6.04	4.89	.8	16.8	27	79.1	.1	18.5	22.6	33.0
21...	93	14	27.0	6.14	5.04	.8	17.5	28	78.8	.1	18.5	23.2	32.6
JAN													
12...	28	3	8.55	1.53	1.98	.4	4.97	26	24.7	.1	6.56	9.60	5.1
12...	33	1	9.80	1.93	2.04	.4	5.34	25	31.2	.1	6.84	12.2	6.6
29...	21	2	6.64	1.14	1.91	.3	3.19	23	19.0	.1	4.26	6.89	5.3
29...	16	3	5.11	.83	1.92	.3	2.47	22	13.5	<.02	2.80	4.48	4.5
FEB													
10...	85	20	24.7	5.75	3.82	.7	15.0	27	65.3	<.02	11.8	20.5	30.3
10...	87	20	25.3	5.81	3.87	.7	15.1	26	67.5	<.02	11.8	20.6	30.2
MAR													
09...	97	23	29.1	5.81	3.87	.7	15.2	24	73.4	<.02	20.7	20.5	30.9
09...	100	30	31.5	6.07	4.45	.7	16.9	25	73.5	<.02	20.7	19.7	30.9
31...	74	17	22.2	4.36	4.47	.6	11.8	24	56.5	.1	12.6	16.8	25.5
31...	72	15	21.7	4.20	4.51	.6	11.6	25	56.7	.1	12.7	16.4	25.6
APR													
15...	89	20	27.2	5.00	4.34	.6	13.3	23	68.8	.1	15.7	21.5	30.1
15...	90	21	26.4	5.72	4.50	.6	13.5	24	69.0	.1	16.1	23.4	30.6
MAY													
13...	72	10	21.7	4.22	4.37	.7	13.8	28	62.2	.1	18.0	17.9	26.4
13...	75	12	22.5	4.42	4.59	.7	14.2	28	62.3	.1	16.5	18.0	24.6
20...	76	9	23.1	4.40	4.82	.6	12.8	25	67.0	.1	15.2	20.0	26.8
20...	77	10	23.5	4.48	4.76	.6	12.7	25	67.2	.1	14.0	20.5	25.1
JUN													
08...	53	10	16.9	2.49	4.14	.6	10.3	28	42.7	M	12.6	12.6	17.4
08...	53	10	16.9	2.52	4.04	.6	9.97	27	43.1	M	12.6	12.7	17.5
JUL													
12...	76	7	23.1	4.34	4.60	.7	13.8	27	68.2	.1	15.4	17.5	22.7
12...	76	7	22.9	4.42	4.32	.7	13.2	26	68.6	.1	15.5	17.4	22.9
AUG													
10...	98	24	30.1	5.41	5.25	1	24.7	34	74.0	.1	31.6	21.9	27.8
10...	96	22	29.5	5.46	5.08	1	24.2	34	74.4	.1	31.8	21.7	27.9
SEP													
20...	--	--	--	--	--	--	--	--	88.0	.1	16.6	--	36.8

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
OCT													
21...	180	.24	--	<.020	.87	<.020	--	<.100	<.10	1.02	--	--	--
21...	181	.25	--	<.020	.86	<.020	--	<.100	<.10	1.02	450	240	5960
JAN													
12...	57	.08	.08	.061	.78	<.020	--	<.100	<.10	1.48	--	--	--
12...	67	.09	.08	.059	.81	<.020	--	<.100	<.10	1.49	510	280	5290
29...	43	.06	.20	.153	.53	<.020	--	<.100	<.10	1.78	1100	550	3920
29...	33	.04	.20	.152	.53	<.020	--	<.100	<.10	1.80	--	--	--
FEB													
10...	158	.21	.12	.094	1.41	<.020	--	<.100	.10	1.70	730	470k	2610
10...	160	.22	.11	.088	1.39	<.020	--	<.100	<.10	1.66	--	--	--
MAR													
09...	175	.24	.54	.420	.98	<.020	--	<.100	<.10	1.97	20000	--	240000
09...	179	.24	.50	.390	.96	<.020	--	<.100	<.10	1.62	--	--	--
31...	136	.18	.15	.120	.75	.070	--	<.100	<.10	1.14	6700	5300	>240000k
31...	135	.18	.14	.110	.75	.070	--	<.100	<.10	.66	--	--	--
APR													
15...	164	.22	.10	.076	1.01	.050	--	<.100	<.10	.81	--	--	--
15...	167	.23	.18	.137	1.03	.060	--	<.100	<.10	1.39	5000	5800k	120000
MAY													
13...	147	.20	.04	.031	.59	.050	--	<.100	<.10	.87	7300	20000	>240000
13...	145	.20	.03	.027	.56	.050	--	<.100	<.10	.95	--	--	--
20...	151	.21	.10	.081	.66	.070	--	<.100	<.10	.70	--	--	--
20...	149	.20	.10	.079	.60	.060	--	<.100	<.10	1.09	390	980	14800
JUN													
08...	106	.14	.09	.070	.67	.060	--	<.100	<.10	1.22	24000	47000k	>240000k
08...	106	.14	.03	.020	.67	.060	--	<.100	<.10	1.13	--	--	--
JUL													
12...	145	.20	.06	.050	.43	.040	--	<.050	<.050	.95	360	1100k	27000
12...	145	.20	.06	.050	.43	.040	.399	.130	.100	--	--	--	--
AUG													
10...	194	.26	--	--	.63	<.010	--	--	--	--	--	--	--
10...	193	.26	--	--	.65	<.010	--	--	--	--	300	400	400
SEP													
20...	--	--	.06	.050	.99	<.020	--	<.100	<.10	--	800	1300	>54800k

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT			
21...	59.5	<100	120
21...	60.0	<100	120
JAN			
12...	42.4	<100	40
12...	32.2	<100	50
29...	21.9	<100	30
29...	50.2	<100	20
FEB			
10...	55.8	<100	110
10...	51.3	<100	120
MAR			
09...	55.1	110	140
09...	91.9	<100	140
31...	64.9	220	100
31...	62.2	220	100
APR			
15...	78.8	130	120
15...	84.7	180	120
MAY			
13...	49.0	<100	100
13...	53.4	<100	110
20...	40.9	110	100
20...	52.3	150	100
JUN			
08...	47.5	130	70
08...	39.1	140	80
JUL			
12...	--	150	100
12...	--	120	100
AUG			
10...	--	<50	130
10...	--	<50	130
SEP			
20...	--	--	--

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
21...	0856	9	80020	1.35	3.5	2.1	745	8.4	7.3	294	14.5	2	E.03n
21...	0916	9	80020	1.35	3.5	2.2	745	8.2	7.3	293	14.5	E1n	E.04n
JAN													
12...	0931	9	80020	1.18	1.8	10	752	12.6	6.7	264	3.0	2	.06
12...	0946	9	80020	1.18	1.8	10	752	12.6	6.7	264	3.0	2	.06
29...	1136	9	80020	1.26	2.9	9.6	746	12.8	7.2	282	3.5	2	.07
29...	1156	9	80020	1.26	2.9	4.3	746	12.8	7.2	281	3.5	E1n	.07
FEB													
10...	1016	9	80020	1.25	2.7	8.5	--	--	7.3	277	--	2	.06
10...	1031	9	80020	1.25	2.7	8.5	--	--	7.3	277	--	2	.07
MAR													
09...	0916	9	80020	1.22	2.3	6.0	749	10.3	7.3	285	9.5	2	.05
09...	0931	9	80020	1.22	2.3	6.4	739	10.0	7.3	285	9.0	2	.05
31...	1131	9	80020	1.21	2.2	11	742	8.9	7.2	219	14.5	6	.07
APR													
15...	0801	9	80020	1.18	1.8	7.7	747	10.1	7.1	250	10.5	4	.05
15...	0816	9	80020	1.18	1.8	8.3	747	10.1	7.2	251	10.5	4	.05
MAY													
13...	0916	9	80020	1.14	1.9	6.8	750	6.0	7.1	241	20.5	5	.12
13...	0931	9	80020	1.14	1.9	6.6	750	6.0	7.1	241	20.5	5	.05
20...	0801	9	80020	1.15	2.0	5.9	751	6.6	7.5	240	20.5	3	E.04n
20...	0806	9	80020	1.15	2.0	5.0	751	6.4	7.2	242	20.5	3	E.04n
JUN													
08...	1216	J	80020	1.15	2.0	19	751	5.4	7.0	178	21.5	8	.07
08...	1226	J	80020	1.15	2.0	20	751	5.4	7.0	178	21.5	8	.07
JUL													
12...	1101	9	80020	1.17	1.7	6.7	--	5.7	7.2	277	25.0	5	E.02n
12...	1111	9	80020	1.17	1.7	6.7	--	5.7	7.2	277	25.0	4	E.03n
AUG													
10...	0741	9	80020	1.14	1.4	9.6	749	7.0	7.3	337	21.5	2	E.04n
10...	0746	9	80020	1.14	1.4	5.4	749	6.9	7.2	337	21.5	2	.04
SEP													
20...	1246	9	80020	1.31	3.7	4.4	770	8.5	7.3	315	17.5	3	.07

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
21...	<.8	2.1	2.40	32.3	1.68	<.2	9.1
21...	<.8	2.1	2.31	29.4	1.63	<.2	9.6
JAN							
12...	<.8	2.1	2.13	209	1.43	<.2	24.3
12...	<.8	1.6	2.11	207	1.46	<.2	24.6
29...	<.8	2.3	1.62	209	1.70	<.2	29.8
29...	<.8	2.0	1.62	206	1.67	<.2	30.4
FEB							
10...	<.8	1.5	1.77	200	1.71	<.2	25.9
10...	<.8	1.5	1.71	215	1.78	<.2	29.7
MAR							
09...	<.8	2.3	2.13	172	1.88	<.2	17.0
09...	<.8	1.9	2.06	156	1.75	<.2	16.4
31...	<.8	7.1	2.60	179	1.77	<.2	30.3
APR							
15...	<.8	3.2	1.75	127	1.76	<.2	20.3
15...	<.8	3.2	1.81	127	1.67	<.2	21.6
MAY							
13...	<.8	5.3	1.41	60.4	1.80	<.2	18.7
13...	<.8	5.3	1.42	54.5	1.80	<.2	20.5
20...	<.8	3.0	2.32	150	2.36	<.2	14.0
20...	<.8	3.0	2.39	152	2.64	<.2	12.9
JUN							
08...	<.8	8.0	1.92	155	1.86	<.2	25.6
08...	<.8	8.3	2.07	152	1.74	<.2	25.9
JUL							
12...	<.8	2.5	1.65	145	1.58	<.2	7.9
12...	<.8	2.4	1.57	141	1.54	<.2	8.1
AUG							
10...	<.8	1.7	1.83	69.1	1.29	<.2	6.4
10...	<.8	1.7	1.83	72.2	1.29	<.2	6.4
SEP							
20...	<.8	2.2	1.47	121	1.72	<.2	13.3

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)
OCT													
21...	0916	80020	1.35	2.2	745	8.2	82	7.3	293	14.5	<.5	<.5	<.5
JAN													
12...	0946	80020	1.18	10	752	12.6	94	6.7	264	3.0	E.1	<.5	<.5
29...	1136	80020	1.26	9.6	746	12.8	99	7.2	282	3.5	E.1	M	M
FEB													
10...	1016	80020	1.25	8.5	--	--	--	7.3	277	--	E.1	<.5	<.5
MAR													
09...	0916	80020	1.22	6.0	749	10.3	92	7.3	285	9.5	E.1	M	M
31...	1116	80020	1.21	11	742	8.9	90	7.2	219	14.5	E.1	<.5	<.5
APR													
15...	0816	80020	1.18	8.3	747	10.1	92	7.2	251	10.5	E.1	M	M
MAY													
13...	0916	80020	1.14	6.8	750	6.0	68	7.1	241	20.5	E.1	<.5	<.5
20...	0806	80020	1.15	5.0	751	6.4	72	7.2	242	20.5	E.1	<.5	<.5
JUN													
08...	1216	80020	1.15	19	751	5.4	62	7.0	178	21.5	<.5	<.5	<.5
JUL													
12...	1101	80020	1.17	6.7	--	5.7	--	7.2	277	25.0	E.1t	<.5	<.5
AUG													
10...	0746	80020	1.14	5.4	749	6.9	80	7.2	337	21.5	<.5	<.5	<.5
SEP													
20...	1246	80020	1.31	4.4	770	8.5	88	7.3	315	17.5	<.5	<.5	<.5

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	2-Methyl-naphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)
OCT													
21...	<.5	M	<1	<5	<1	<1	E1	M	<2	<.5	E.2	M	<.5
JAN													
12...	<.5	M	M	<5	<1	<1	<5	M	<2	E.1	<.5	M	M
29...	M	<2	M	<5	<1	<1	E1	M	<2	E.1	E.1	M	M
FEB													
10...	<.5	M	M	<5	<1	<1	<5	M	<2	<.5	<.5	E.1	M
MAR													
09...	M	M	M	<5	<1	<1	<5	M	<2	<.5	<.5	<.5	M
31...	<.5	<2	M	<5	<1	<1	E2	M	<2	E.7	E.6	E.1	M
APR													
15...	M	E1	M	<5	<1	<1	<5	M	<2	E.1	E.1	E.1	M
MAY													
13...	<.5	M	M	<5	<1	<1	E3	M	<2	.7	E.3	E.1	E.1
20...	<.5	M	M	<5	<1	<1	E2	M	<2	E.1	<.5	E.1	<.5
JUN													
08...	<.5	E2	M	<5	<1	<1	E2	M	<2	E.3	E.4	E.2	<.5
JUL													
12...	<.5	<2	Mt	<5	<1	<1	Mt	Mt	<2	E.1t	<.5	E.1t	<.5
AUG													
10...	<.5	<2	Mt	<5	<1	<1	<5	Mt	<2	<.5	<.5	<.5	<.5
SEP													
20...	<.5	<2	<1	<5	<1	<1	<5	Mt	<2	Mt	<.5	<.5	<.5

Date	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)
OCT													
21...	<.5	<.5	<2	<2	<1	1.0	E.3	<.5	<1	<.5	<.5	E1	<1.00
JAN													
12...	<.5	<.5	<2	<2	M	.6	E.1	M	<1	M	<.5	M	E.1400
29...	<.5	E.1	<2	<2	<1	.6	.8	<.5	<1	<.5	<.5	<2	E.2100
FEB													
10...	<.5	<.5	M	M	<1	.7	E.4	M	<1	<.5	<.5	M	<1.00
MAR													
09...	<.5	M	<2	<2	<1	.6	.7	M	<1	<.5	<.5	E1	E.2100
31...	<.5	E.1	<2	<2	M	7.5	E.9	<.5	M	M	<.5	<2	E.1900
APR													
15...	<.5	M	E2	E2	<1	5.8	E.5	<.5	<1	M	<.5	E2	E.1700
MAY													
13...	<.5	<.5	E1	E1	1	1.2	1.3	E.1	<1	E.2	<.5	E1	<1.00
20...	<.5	<.5	E1	E1	<1	1.6	.6	E.1	<1	<.5	<.5	E1	<1.00
JUN													
08...	<.5	<.5	E2	E2	<1	1.0	1.5	E.1	M	E.1	<.5	E3	E.3800
JUL													
12...	<.5	<.5	<2	<2	Mt	.7	E.2t	<.5	Mt	<.5	<.5	<2	E.1700t
AUG													
10...	<.5	<.5	<2	<2	<1	E.5t	E.1t	<.5	<1	<.5	<.5	Mt	<1.00
SEP													
20...	<.5	<.5	Mt	<2	<1	E.4t	E.1t	<.5	<1	<.5	<.5	Mt	<1.00

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)
OCT													
21...	E.2	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JAN													
12...	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	<.5	<.5	<.5
29...	E.1	<.5	E2	M	E.1	<1	M	E.1	<.5	E.2	<.5	<.5	<.5
FEB													
10...	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5
MAR													
09...	M	<.5	E3	M	M	<1	M	M	M	M	<.5	<.5	<.5
31...	E.2	E.1	E12	M	M	<1	M	M	E.1	<.5	<.5	E.1	<.5
APR													
15...	E.1	<.5	<5	M	E.4	M	M	E.1	M	<.5	<.5	<.5	<.5
MAY													
13...	E.3	<.5	E9	M	<.5	E1	E.1	<.5	E.1	<.5	<.5	<.5	<.5
20...	E.2	<.5	E5	M	<.5	M	E.1	<.5	E.1	<.5	<.5	<.5	<.5
JUN													
08...	.8	E.1	E4	<1	<.5	<1	E.1	<.5	E.1	<.5	E.2	<.5	<.5
JUL													
12...	.7	<.5	<5	<1	<.5	<1	Mt	E.1t	<.5	<.5	<.5	<.5	<.5
AUG													
10...	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5
SEP													
20...	E.1t	<.5	E2t	Mt	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)
OCT													
21...	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5
JAN													
12...	E.1	<.5	<.5	<.5	E.1	M	<2	M	E.3	<.5	M	E.1	<.5
29...	E.2	<.5	M	<.5	E.1	M	<2	M	E.3	<.5	M	E.1	<.5
FEB													
10...	E.1	<.5	<.5	<.5	E.1	<1	<2	M	.6	<.5	M	E.2	<.5
MAR													
09...	.5	<.5	M	<.5	M	M	<2	M	E.3	<.5	E.1	M	<.5
31...	E.3	<.5	<.5	<.5	E.1	M	E4	M	E.6	<.5	M	M	<.5
APR													
15...	E.2	<.5	<.5	<.5	M	M	E1	M	E.3	<.5	M	E.1	<.5
MAY													
13...	E.1	<.5	<.5	<.5	<.5	M	M	E.1	1.0	<.5	E.1	M	<.5
20...	E.1	<.5	<.5	<.5	M	M	M	<.5	E.4	<.5	M	M	<.5
JUN													
08...	E.2	<.5	<.5	<.5	<.5	M	M	<.5	1.0	<.5	E.1	<.5	<.5
JUL													
12...	E.1t	<.5	<.5	<.5	<.5	<1	<2	<.5	E.2t	<.5	Mt	Mt	<.5
AUG													
10...	<.5	<.5	<.5	<.5	<.5	Mt	<2	<.5	E.3t	<.5	<.5	<.5	<.5
SEP													
20...	E.1t	<.5	<.5	<.5	<.5	Mt	Mt	<.5	<1.5	<.5	<.5	<.5	<.5

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT								
21...	E.1	M	<.5	E.1	E1.4	<.5	<.5	<1.00
JAN								
12...	E.1	M	<.5	E.1	E.3	E.1	E.1	<1.00
29...	E.1	M	<.5	E.1	2.1	E.1	E.1	<1.00
FEB								
10...	<.5	<1	<.5	E.1	E.4	E.1	E.1	<1.00
MAR								
09...	E.1	M	<.5	M	E1.0	E.1	E.1	<1.00
31...	E.2	M	<.5	E.1	3.2	E.2	E.3	<1.00
APR								
15...	E.1	M	<.5	E.1	1.8	E.1	E.1	<1.00
MAY								
13...	E.2	M	<.5	E.1	2.0	E.2	E.2	<1.00
20...	<.5	M	<.5	E.1	.9	E.1	E.1	<1.00
JUN								
08...	E.3	M	<.5	E.1	5.6	E.2	E.2	<1.00
JUL								
12...	E.2t	<1	<.5	E.1n	.8	E.1t	E.1t	<1.00
AUG								
10...	<.5	<1	<.5	<.5	.7	<.5	<.5	--u
SEP								
20...	E.1t	<1	<.5	<.5	2.0	E.1t	E.1t	--u

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
21...	0900	1	9	81350	1.35	3.5	2.1	745	8.4	84	7.3	294	14.5
JAN													
12...	0932	1	9	81350	1.18	1.8	10	752	12.6	95	6.7	264	3.0
29...	1157	1	9	81350	1.26	2.9	4.3	746	12.8	99	7.2	281	3.5
FEB													
10...	1032	1	9	81350	1.25	2.7	8.5	--	--	--	7.3	277	--
MAR													
09...	0932	1	9	81350	1.22	2.3	6.4	739	10.0	89	7.3	285	9.0
31...	1132	1	9	81350	1.21	2.2	11	742	8.9	90	7.2	219	14.5
APR													
15...	0802	1	9	81350	1.18	1.8	8.3	747	10.1	92	7.2	251	10.5
MAY													
13...	0932	1	9	81350	1.14	1.9	6.6	750	6.0	68	7.1	241	20.5
20...	0803	1	9	81350	1.15	2.0	5.9	751	6.6	74	7.5	240	20.5
JUN													
08...	1227	1	J	81350	1.15	2.0	20	751	5.4	62	7.0	178	21.5
JUL													
12...	1112	1	9	81350	1.17	1.7	6.7	--	5.7	--	7.2	277	25.0
AUG													
10...	0742	1	9	81350	1.14	1.4	9.6	749	7.0	81	7.3	337	21.5
SEP													
20...	1247	1	9	81350	1.31	3.7	4.4	770	8.5	88	7.3	315	17.5

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)
OCT													
21...	2.8	2.8	7.6	340	1	1.1	40	16	67	2.7	88	22	2400
JAN													
12...	12	2.2	6.9	540	4	1.2	70	20	120	5.7	160	53	2200
29...	5.5	4.5	22	850	2	2.4	140	10	170	9.4	300	31	1100
FEB													
10...	9.0	2.8	11	590	2	1.7	75	16	140	6.4	190	44	1500
MAR													
09...	3.7	2.4	12	550	2	4.8	57	38	190	7.0	140	22	12000
31...	4.9	4.1	16	370	2	2.8	140	36	170	5.7	170	24	8900
APR													
15...	5.7	3.6	14	490	2	1.3	130	10	140	6.4	150	33	990
MAY													
13...	3.7	6.6	15	370	1	1.6	--o	14	210	4.8	190	24	2800
20...	5.6	4.2	17	410	2	1.2	140	15	100	6.3	160	19	2500
JUN													
08...	9.4	8.7	12	310	2	1.1	160	14	160	5.6	200	39	1200
JUL													
12...	5.1	3.4	19	450	2	1.7	130	12	130	7.8	160	25	2000
AUG													
10...	6.1	3.1	16	430	2	1.3	120	14	140	6.8	130	29	1300
SEP													
20...	4.7	2.8	25	370	1	1.3	130	8	66	5.2	120	21	650

Date	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT												
21...	.06	8	34	1	<.5	410	<50	.100	31	300	<50	.4
JAN												
12...	.17	3	35	1	M	50	<50	.400	130	670	<50	32
29...	--o	7	53	2	<2	220	<150	.240	78	840	<150	2
FEB												
10...	.15	3	30	1	<1	180	<100	.320	91	610	<100	7
MAR												
09...	.13	4	30	2	2	130	<100	.190	65	1100	<100	4
31...	--o	6	32	4	M	77	<50	.220	76	800	<50	30
APR												
15...	.26	12	71	2	<1	320	<100	.250	78	490	<100	3
MAY												
13...	.19	--o	--o	3	<1	310	<100	.190	59	530	<100	3
20...	.78	19	86	2	<2	210	<150	.220	80	440	<150	3
JUN												
08...	.22	26	120	2	<1	92	<100	.360	95	590	<100	6
JUL												
12...	.43	18	81	2	<1	250	<100	.190	75	490	<100	3
AUG												
10...	.11	17	69	2	<1	300	<100	.240	83	380	<100	4
SEP												
20...	.16	19	75	2	2	350	<100	.150	65	360	<100	3

Remark codes used in this table:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Null value qualifier codes used in this table:
o -- Insufficient amount of water
u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL
t -- Below the long-term MDL
u -- Unable to determine-matrix interference

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°47'34", long 84°28'08", referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at bridge on Spring RD, 0.6 miles upstream of Proctor Creek, 0.1 miles west of Hollywood RD, and 0.6 miles east of GA 280.

DRAINAGE AREA.—3.11 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 28, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
17...	0820	9	9	81345	3.51	.69	5.8	--	9.9	94	7.3	194	12.5
17...	0840	9	9	81345	3.51	.69	4.0	--	9.8	93	7.3	194	12.5
JAN													
12...	1045	9	9	81345	3.58	1.3	<5.0	753	14.1	105	6.9	191	3.5
12...	1050	9	9	81345	3.58	1.3	<5.0	753	14.2	106	6.9	191	3.5
29...	1005	9	9	81345	3.66	4.4	3.0	748	13.5	101	7.1	206	2.5
29...	1030	9	9	81345	3.66	4.4	8.0	748	13.5	101	7.1	205	2.5
FEB													
10...	1130	9	9	81345	3.64	1.8	4.1	--	--	--	7.2	206	--
10...	1145	9	9	81345	3.64	1.8	4.1	--	--	--	7.2	206	--
MAR													
09...	1045	9	9	81345	3.61	1.3	3.3	744	13.5	123	7.7	190	10.0
09...	1100	9	9	81345	3.61	1.3	3.3	744	13.5	123	7.7	190	10.0
31...	1000	9	9	81345	3.61	1.4	12	743	10.2	100	7.3	181	13.5
31...	1015	9	9	81345	3.61	1.4	11	743	10.3	101	7.3	182	13.5
APR													
15...	1015	9	9	81345	3.62	1.3	10	755	11.5	109	7.3	184	12.5
15...	1030	9	9	81345	3.62	1.3	7.0	755	11.6	110	7.3	184	12.5
MAY													
13...	1130	9	9	81345	--	1.6	17	750	3.7	41	7.1	293	20.0
13...	1145	9	9	81345	--	1.6	17	750	3.7	41	7.1	292	20.0
20...	1030	9	9	81345	3.53	.76	2.6	--	8.2	--	7.2	186	21.5
20...	1035	9	9	81345	3.53	.76	2.7	--	7.9	--	7.4	186	21.5
JUN													
08...	0915	9	9	81345	3.54	.70	13	752	7.5	85	7.1	141	21.0
08...	0920	9	9	81345	3.54	.70	12	752	7.5	85	7.1	141	21.0
JUL													
12...	0910	9	9	81345	3.56	.66	4.2	750	7.5	92	7.3	196	24.5
12...	0915	9	9	81345	3.56	.66	3.7	750	7.5	91	7.5	196	24.0
AUG													
10...	0955	9	9	81345	--	.63	3.9	751	8.7	98	7.4	174	20.5
10...	1000	9	9	81345	--	.63	3.4	751	8.6	97	7.4	174	20.5

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

Date	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
OCT													
17...	58	7	17.4	3.56	3.58	.7	12.0	29	51.1	.1	11.3	26.8	20.2
17...	58	8	17.4	3.58	3.58	.7	12.0	29	51.0	M	11.3	26.5	20.4
JAN													
12...	71	13	21.0	4.54	3.82	.7	13.7	28	57.8	<.02	14.1	14.8	24.2
12...	72	13	20.7	4.80	3.54	.6	12.4	26	58.0	M	14.0	18.0	24.9
29...	75	16	21.8	5.02	3.58	.7	14.4	28	59.6	.1	14.7	17.8	26.3
29...	79	16	22.8	5.22	3.90	.8	15.3	29	62.8	<.02	14.7	17.1	28.0
FEB													
10...	64	14	18.9	3.99	2.94	.6	10.5	25	49.3	<.02	10.7	22.4	24.0
10...	64	14	18.9	3.96	3.00	.6	10.8	26	49.3	<.02	10.7	21.9	24.0
MAR													
09...	68	20	21.4	3.44	3.09	.6	11.5	26	47.7	<.02	13.1	16.7	21.8
09...	69	21	21.4	3.73	3.05	.6	11.5	26	47.8	<.02	13.1	20.1	21.7
31...	58	13	17.6	3.31	4.15	.5	9.36	24	44.4	.1	11.2	20.1	21.3
31...	58	13	17.6	3.28	4.38	.6	9.92	25	44.4	.1	11.1	20.8	21.0
APR													
15...	60	12	18.0	3.54	3.44	.6	10.4	26	48.0	.1	10.6	25.5	21.1
15...	60	12	18.1	3.54	3.50	.6	10.6	26	48.0	.1	10.6	25.6	20.9
MAY													
13...	65	--	20.3	3.47	6.40	1	25.6	43	82.8	<.02	20.9	29.5	20.7
13...	55	--	16.9	3.15	5.19	1	20.4	42	81.7	<.02	20.5	23.1	20.3
20...	60	10	18.4	3.47	3.15	.6	11.0	27	50.0	.1	11.2	29.3	17.8
20...	59	9	18.0	3.46	3.01	.6	10.3	26	50.0	.1	11.1	28.3	17.6
JUN													
08...	43	9	13.7	2.06	4.13	.5	7.80	26	33.5	M	7.77	15.4	15.4
08...	47	13	15.1	2.28	4.06	.5	7.93	25	33.8	M	7.80	16.4	15.5
JUL													
12...	51	3	15.9	2.82	3.70	.6	10.2	28	48.3	.1	10.2	21.2	14.5
12...	49	.0	15.3	2.69	3.65	.6	10.1	29	48.5	.1	10.2	19.8	14.5
AUG													
10...	53	7	16.3	2.86	3.45	.7	12.0	31	45.5	M	11.8	23.0	14.8
10...	49	3	15.2	2.75	3.22	.7	11.0	31	46.0	.1	11.7	22.0	14.8

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Total coliform, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
OCT													
17...	129	.18	--	<.020	.83	<.020	<.100	<.10	1.08	390	420	18	59.0
17...	129	.18	--	<.020	.81	<.020	<.100	<.10	1.00	440	460	8650	59.0
JAN													
12...	135	.18	.03	.020	.87	<.020	<.100	<.10	.99	--	--	--	72.0
12...	138	.19	--	<.020	.96	<.020	<.100	<.10	1.35	180	160k	4080	45.9
29...	144	.20	.13	.101	.95	<.020	<.100	<.10	1.66	650	160	33000	41.9
29...	149	.20	.10	.076	.97	<.020	<.100	<.10	1.66	--	--	--	41.0
FEB													
10...	129	.18	.07	.057	1.32	<.020	<.100	<.10	1.54	350	310	2840	41.5
10...	129	.18	.08	.063	1.32	<.020	<.100	<.10	1.54	--	--	--	49.7
MAR													
09...	123	.17	--	<.020	.79	<.020	<.100	<.10	1.05	620	--	11000	35.9
09...	127	.17	--	<.020	.80	<.020	<.100	<.10	.88	--	--	--	53.6
31...	117	.16	.17	.130	.77	.020	<.100	<.10	.88	1000	580	130000	63.9
31...	119	.16	.17	.130	.76	.020	<.100	<.10	.80	--	--	--	61.2
APR													
15...	125	.17	.04	.031	.84	<.020	<.100	<.10	1.16	--	--	--	56.8
15...	125	.17	.04	.032	.82	<.020	<.100	<.10	1.13	6	580k	20000	62.3
MAY													
13...	183	.25	4.47	3.47d	.15	.040	<1.00d	<1.00d	10.5d	25000	33000	>240000	96.5
13...	165	.22	4.37	3.39d	.16	.040	<1.00d	<1.00d	10.2d	--	--	--	47.7
20...	127	.17	.32	.251	.47	.040	<.100	<.10	.80	340	510	22000	63.6
20...	125	.17	.34	.261	.46	.040	<.100	<.10	.87	--	--	--	48.9
JUN													
08...	90	.12	--	<.020	.67	.040	<.100	<.10	1.12	4700	16000k	>240000	46.5
08...	93	.13	--	<.020	.67	.040	<.100	<.10	1.10	--	--	--	53.7
JUL													
12...	110	.15	.36	.280	.47	.070	<.050	<.050	--	--	--	--	--
12...	108	.15	.39	.300	.47	.060	<.050	<.050	.71	1300	2400	51	--
AUG													
10...	114	.16	--	--	.59	<.010	--	--	--	--	--	--	--
10...	111	.15	--	--	.60	<.010	--	--	--	440	550	23800	--

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT		
17...	<100	90
17...	<100	90
JAN		
12...	<100	100
12...	<100	110
29...	<100	110
29...	<100	110
FEB		
10...	<100	100
10...	<100	100
MAR		
09...	160	100
09...	120	110
31...	<100	100
31...	140	100
APR		
15...	<100	100
15...	<100	100
MAY		
13...	530	110
13...	420	90
20...	160	110
20...	150	100
JUN		
08...	<100	80
08...	<100	80
JUL		
12...	140	80
12...	120	80
AUG		
10...	<50	80
10...	<50	80

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
17...	0821	9	80020	3.51	.69	5.8	--	9.9	7.3	194	12.5	2	<.04
17...	0841	9	80020	3.51	.69	4.0	--	9.8	7.3	194	12.5	2	<.04
JAN													
12...	1046	9	80020	3.58	1.3	<5.0	753	14.1	6.9	191	3.5	3	E.02n
12...	1051	9	80020	3.58	1.3	<5.0	753	14.2	6.9	191	3.5	3	E.02n
29...	1006	9	80020	3.66	4.4	3.0	748	13.5	7.1	206	2.5	3	E.04n
29...	1031	9	80020	3.66	4.4	8.0	748	13.5	7.1	205	2.5	3	E.03n
FEB													
10...	1131	9	80020	3.64	1.8	4.1	--	--	7.2	206	--	3	E.03n
10...	1146	9	80020	3.64	1.8	4.1	--	--	7.2	206	--	3	E.03n
MAR													
09...	1046	9	80020	3.61	1.3	3.3	744	13.5	7.7	190	10.0	3	<.04
09...	1101	9	80020	3.61	1.3	3.3	744	13.5	7.7	190	10.0	4	<.04
31...	1016	9	80020	3.61	1.4	11	743	10.3	7.3	182	13.5	18	E.02n
APR													
15...	1016	9	80020	3.62	1.3	10	755	11.5	7.3	184	12.5	4	<.04
15...	1031	9	80020	3.62	1.3	7.0	755	11.6	7.3	184	12.5	4	<.04
MAY													
13...	1131	9	80020	--	1.6	17	750	3.7	7.1	293	20.0	21	E.03n
13...	1146	9	80020	--	1.6	17	750	3.7	7.1	292	20.0	19	E.03n
20...	1031	9	80020	3.53	.76	2.6	--	8.2	7.2	186	21.5	8	<.04
20...	1036	9	80020	3.53	.76	2.7	--	7.9	7.4	186	21.5	7	<.04
JUN													
08...	0916	9	80020	3.54	.70	13	752	7.5	7.1	141	21.0	7	<.04
08...	0921	9	80020	3.54	.70	12	752	7.5	7.1	141	21.0	7	<.04
JUL													
12...	0911	9	80020	3.56	.66	4.2	750	7.5	7.3	196	24.5	7	<.04
12...	0916	9	80020	3.56	.66	3.7	750	7.5	7.5	196	24.0	7	<.04
AUG													
10...	0956	9	80020	--	.63	3.9	751	8.7	7.4	174	20.5	2	<.04
10...	1001	9	80020	--	.63	3.4	751	8.6	7.4	174	20.5	2	<.04

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
17...	<.8	1.5	E.05n	20.0	.86	<.2	10.6
17...	<.8	1.4	E.05n	16.7	.87	<.2	8.7
JAN							
12...	<.8	1.4	.10	58.7	.84	<.2	14.2
12...	<.8	1.6	.10	57.5	.81	<.2	14.8
29...	<.8	1.4	.09	84.4	1.04	<.2	20.3
29...	<.8	1.4	.09	84.1	1.05	<.2	20.6
FEB							
10...	<.8	1.4	.11	68.1	1.07	<.2	17.2
10...	<.8	1.5	.10	71.0	1.09	<.2	37.3
MAR							
09...	<.8	1.7	.10	30.7	.81	<.2	6.0
09...	<.8	1.6	.11	30.2	.78	<.2	6.3
31...	<.8	3.1	.27	38.1	3.45	<.2	12.9
APR							
15...	<.8	1.8	.17	34.1	.90	<.2	7.7
15...	<.8	1.9	.15	32.3	.81	<.2	8.2
MAY							
13...	E.6n	6.5	.86	435	5.45	<.2	14.0
13...	<.8	6.2	.86	433	5.47	<.2	14.3
20...	<.8	1.5	.27	124	2.20	<.2	3.1
20...	<.8	1.4	.24	117	1.90	<.2	3.5
JUN							
08...	<.8	3.6	.40	24.7	1.30	<.2	9.5
08...	<.8	3.6	.39	24.6	1.33	<.2	9.1
JUL							
12...	<.8	1.3	.13	51.9	1.08	<.2	2.9
12...	<.8	1.3	.13	54.0	1.16	<.2	2.6
AUG							
10...	<.8	1.3	<.08	13.1	.59	<.2	5.4
10...	<.8	1.2	<.08	12.8	.64	<.2	4.2

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)
OCT													
17...	0841	80020	3.51	.69	4.0	--	9.8	93	7.3	194	12.5	E.1	<.5
JAN													
12...	1051	80020	3.58	1.3	<5.0	753	14.2	106	6.9	191	3.5	E.1	M
29...	1006	80020	3.66	4.4	3.0	748	13.5	101	7.1	206	2.5	E.1	<.5
FEB													
10...	1131	80020	3.64	1.8	4.1	--	--	--	7.2	206	--	<.5	<.5
MAR													
09...	1046	80020	3.61	1.3	3.3	744	13.5	123	7.7	190	10.0	<.5	<.5
31...	1001	80020	3.61	1.4	12	743	10.2	100	7.3	181	13.5	<.5	<.5
APR													
15...	1031	80020	3.62	1.3	7.0	755	11.6	110	7.3	184	12.5	<.5	<.5
MAY													
13...	1131	80020	--	1.6	17	750	3.7	41	7.1	293	20.0	E.6	<.5
20...	1031	80020	3.53	.76	2.6	--	8.2	--	7.2	186	21.5	<.5	<.5
JUN													
08...	0916	80020	3.54	.70	13	752	7.5	85	7.1	141	21.0	<.5	<.5
JUL													
12...	0916	80020	3.56	.66	3.7	750	7.5	91	7.5	196	24.0	E.1t	<.5
AUG													
10...	1001	80020	--	.63	3.4	751	8.6	97	7.4	174	20.5	<.5	<.5

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

Date	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
17...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
JAN													
12...	<.5	M	M	M	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
29...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
FEB													
10...	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
MAR													
09...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5
31...	<.5	<.5	<2	M	<5	<1	<1	E1	<1	<2	E.1	E.1	E.1
APR													
15...	<.5	<.5	E1	M	<5	<1	<1	M	<1	<2	<.5	<.5	E.1
MAY													
13...	<.5	<.5	8	2	<5	<1	<1	E5	M	<2	<.5	<.5	1.6
20...	<.5	<.5	M	M	<5	<1	<1	E2	<1	<2	<.5	<.5	E.2
JUN													
08...	<.5	<.5	<2	<1	<5	<1	<1	E3	<1	<2	E.5	<.5	E.4
JUL													
12...	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	E.1t	<.5	E.2t
AUG													
10...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1t

Date	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)
OCT													
17...	<.5	<.5	E.1	<2	<2	<1	.5	M	<.5	<1	<.5	<.5	M
JAN													
12...	<.5	<.5	E.1	<2	<2	<1	E.4	E.1	<.5	<1	<.5	<.5	M
29...	<.5	<.5	E.1	<2	<2	M	E.5	M	<.5	<1	<.5	<.5	<2
FEB													
10...	<.5	<.5	<.5	<2	<2	<1	.6	E.1	M	<1	<.5	<.5	M
MAR													
09...	<.5	<.5	<.5	<2	<2	<1	E.5	M	M	<1	<.5	<.5	<2
31...	M	<.5	M	<2	<2	<1	.6	E.2	M	<1	<.5	<.5	M
APR													
15...	<.5	<.5	M	E2	E2	<1	.5	<.5	<.5	<1	<.5	<.5	E2
MAY													
13...	<.5	<.5	.5	4	<2	1	<.5	11.0	E.5	<1	<.5	<.5	16
20...	<.5	<.5	<.5	<2	<2	<1	.8	E.1	E.1	<1	<.5	<.5	E1
JUN													
08...	<.5	<.5	<.5	<2	<2	<1	2.0	E.4	E.1	<1	E.2	<.5	<2
JUL													
12...	<.5	<.5	E.1t	<2	<2	<1	<.5	E.2t	Mt	Mt	<.5	<.5	<2
AUG													
10...	<.5	<.5	<.5	<2	<2	<1	E.4t	<.5	<.5	<1	<.5	<.5	<2

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
17...	<1.00	E.2	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
JAN													
12...	<1.00	E.1	<.5	<5	M	<.5	<1	<.5	M	<.5	<.5	<.5	<.5
29...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
FEB													
10...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	E.1	<.5	<.5	<.5	<.5
MAR													
09...	<1.00	M	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	M	<.5	<.5
31...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	M	<.5	<.5	M	<.5
APR													
15...	<1.00	E.1	<.5	E3	M	<.5	M	<.5	E.1	M	<.5	<.5	<.5
MAY													
13...	1.40	1.4	<.5	E11	<1	E.2	E2	E.1	E.3	1.9	.6	<.5	<.5
20...	<1.00	E.2	<.5	<5	<1	E.1	<1	M	E.1	E.1	<.5	<.5	M
JUN													
08...	<1.00	E.8	<.5	<5	<1	<.5	<1	E.1	E.4	<.5	<.5	E.5	<.5
JUL													
12...	<1.00	.7	<.5	<5	<1	<.5	<1	Mt	E.1t	Mt	<.5	<.5	<.5
AUG													
10...	<1.00	E.1t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5	<.5

Date	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
17...	<.5	<.5	<.5	<.5	<.5	E.1	M	<2	<.5	<.5	<.5	<.5	E.2
JAN													
12...	<.5	E.1	<.5	<.5	<.5	E.1	M	<2	<.5	E.2	<.5	<.5	E1.1
29...	<.5	E.1	<.5	<.5	<.5	E.1	M	<2	<.5	.8	<.5	<.5	E1.1
FEB													
10...	<.5	E.1	<.5	<.5	<.5	E.1	<1	<2	<.5	E.4	<.5	<.5	E1.4
MAR													
09...	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	E.2	<.5	<.5	E.5
31...	<.5	E.1	<.5	<.5	<.5	<.5	M	M	M	E.3	<.5	<.5	E.6
APR													
15...	<.5	E.1	<.5	<.5	<.5	M	M	<2	M	E.4	<.5	<.5	E.8
MAY													
13...	<.5	8.7	<.5	E.3	<.5	<.5	M	<2	E.1	1.8	<.5	E.1	E.7
20...	<.5	<.5	<.5	E.1	<.5	M	M	<2	M	<.5	<.5	M	E.3
JUN													
08...	<.5	E.3	<.5	<.5	<.5	<.5	M	<2	E.1	E1.0	<.5	E.1	E.3
JUL													
12...	<.5	E.1t	<.5	E.1t	<.5	<.5	Mt	<2	<.5	1.1	<.5	Mt	E.1t
AUG													
10...	<.5	<.5	<.5	<.5	<.5	Mt	<1	<2	<.5	.7	<.5	Mt	E.1t

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

Date	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT									
17...	<.5	E.1	M	<.5	<.5	<.5	<.5	M	<1.00
JAN									
12...	<.5	E.1	M	<.5	M	<.5	M	E.1	<1.00
29...	<.5	E.1	<1	<.5	M	E.2	<.5	E.1	<1.00
FEB									
10...	<.5	E.1	<1	<.5	<.5	E.3	E.1	<.5	<1.00
MAR									
09...	<.5	<.5	<1	<.5	M	M	M	E.1	<1.00
31...	<.5	E.1	M	<.5	M	E.5	E.1	E.1	<1.00
APR									
15...	<.5	<.5	M	<.5	E.1	E.4	E.1	E.1	<1.00
MAY									
13...	<.5	E.3	2	E.3	E.2	6.3	E.3	E.3	<1.00
20...	<.5	<.5	M	<.5	E.1	E.4	<.5	E.1	<1.00
JUN									
08...	<.5	E.8	<1	<.5	E.2	E1.1	E.3	E.4	<1.00
JUL									
12...	<.5	E.4t	Mt	<.5	E.1n	E.7	E.1t	E.1t	<1.00
AUG									
10...	<.5	E.1t	<1	<.5	<.5	.6	<.5	E.1t	--u

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
17...	0810	1	9	81350	3.51	.69	5.8	--	9.9	--	7.3	194	12.5
JAN													
12...	1045	1	9	81350	3.58	1.3	<5.0	753	14.1	107	6.9	191	3.5
29...	1032	1	9	81350	3.66	4.4	8.0	748	13.5	101	7.1	205	2.5
FEB													
10...	1147	1	9	81350	3.64	1.8	4.1	--	--	--	7.2	206	--
MAR													
09...	1102	1	9	81350	3.61	1.3	3.3	744	13.5	123	7.7	190	10.0
31...	1017	1	9	81350	3.61	1.4	11	743	10.3	101	7.3	182	13.5
APR													
15...	1017	1	9	81350	3.62	1.3	10	755	11.5	109	7.3	184	12.5
MAY													
13...	1147	1	9	81350	--	1.6	17	750	3.7	41	7.1	292	20.0
20...	1037	1	9	81350	3.53	.76	2.7	--	7.9	--	7.4	186	21.5
JUN													
08...	0922	1	9	81350	3.54	.70	12	752	7.5	85	7.1	141	21.0
JUL													
12...	0912	1	9	81350	3.56	.66	4.2	750	7.5	92	7.3	196	24.5
AUG													
10...	0957	1	9	81350	--	.63	3.9	751	8.7	98	7.4	174	20.5

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

Date	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)
OCT													
17...	6.9	1.1	3.2	620	2	.5	49	13	45	2.8	68	28	1400
JAN													
12...	8.2	1.9	3.7	840	3	.6	140	17	120	3.8	110	43	1400
29...	8.2	5.2	4.2	1600	3	.6	190	13	79	4.1	630	40	1100
FEB													
10...	8.7	2.8	5.8	740	3	.6	110	13	95	4.9	180	42	1100
MAR													
09...	4.8	.9	2.8	500	2	1.1	48	15	86	2.9	68	28	2000
31...	9.1	1.9	7.2	520	3	1.2	72	26	92	6.8	98	38	4700
APR													
15...	7.5	1.9	7.2	460	2	.2	980	19	72	6.3	88	41	1400
MAY													
13...	2.9	1.0	3.5	510	2	1.4	--o	12	170	4.0	98	14	2000
20...	2.3	2.3	6.7	470	1	.8	200	13	80	5.4	69	10	2000
JUN													
08...	10	3.8	7.5	390	3	.8	120	13	74	4.8	130	53	1100
JUL													
12...	4.8	1.5	6.6	590	1	.6	100	8	46	3.9	61	22	1200
AUG													
10...	6.8	1.6	7.3	480	2	1.0	170	12	120	4.7	85	34	1000

Date	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT												
17...	.10	3	32	M	<.5	180	<50	.250	56	250	<50	1
JAN												
12...	--o	11	68	M	<1	96	<100	.330	75	370	<100	3
29...	--o	12	52	M	<2	170	<150	.340	72	410	<150	2
FEB												
10...	--o	5	38	1	<1	180	<100	.320	81	590	<100	2
MAR												
09...	.09	3	31	M	2	130	<100	.200	55	360	<100	4
31...	.12	4	40	2	<1	69	<100	.380	110	610	<100	4
APR												
15...	.16	110	590	1	<1	280	<100	.300	84	330	<100	2
MAY												
13...	.28	--o	--o	M	M	220	<50	.450	17	620	<50	5
20...	.09	28	170	2	<1	310	<100	.099	42	330	<100	2
JUN												
08...	.25	12	68	2	<.5	130	<50	.440	68	390	<50	4
JUL												
12...	.05	12	73	M	<1	190	<100	.150	42	220	<100	4
AUG												
10...	.15	15	100	1	<1	310	<100	.250	63	330	<100	2

Remark codes used in this table:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this table:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL
t -- Below the long-term MDL

Null value qualifier codes used in this table:
u -- Unable to determine-matrix interference
o -- Insufficient amount of water

2004 Water Year

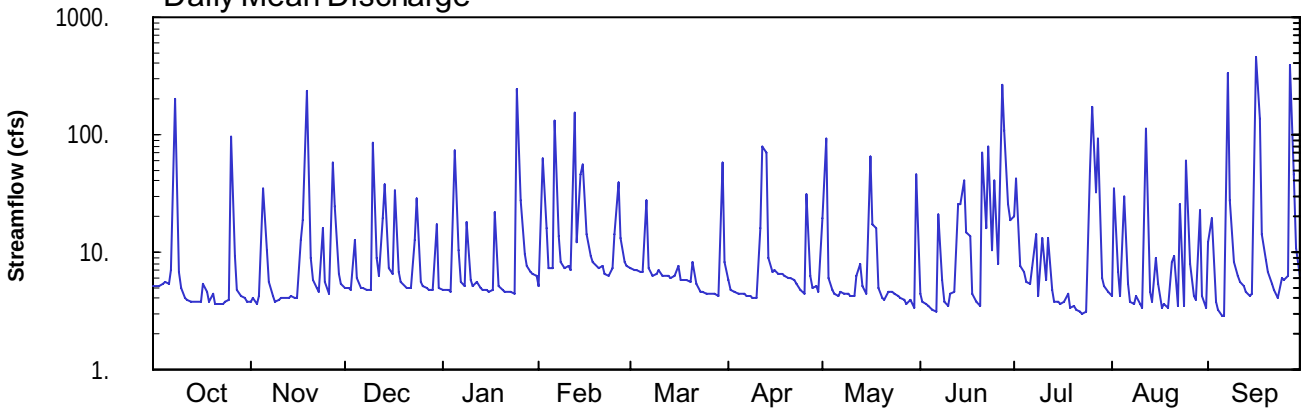
APALACHICOLA RIVER BASIN

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA

Latitude: 33°47'39" Longitude: 084°28'28" Hydrologic Unit Code: 03130002

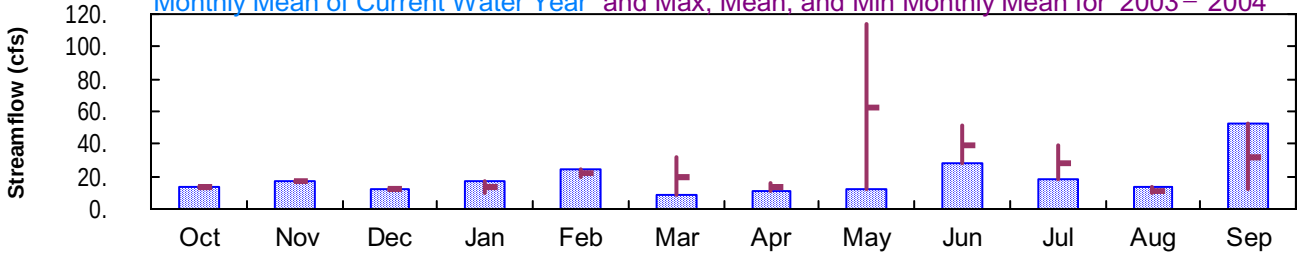
Fulton County Datum: 756.39 feet Drainage Area: 13.4 mi^2

Daily Mean Discharge

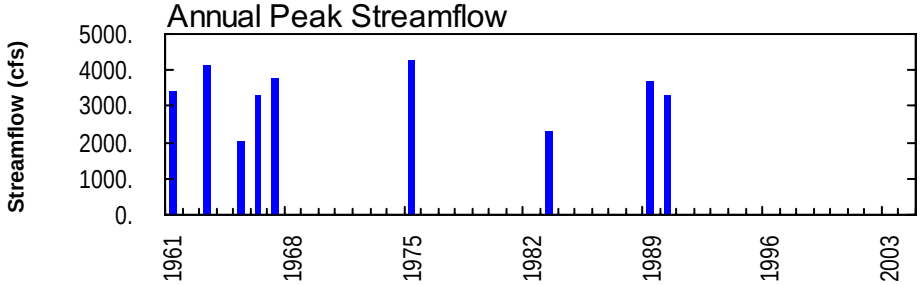


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 and 2004 Water Years

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA

LOCATION.—Lat 33°47'39", long. 84°28'28", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on the upstream left bank of bridge on Jackson Parkway (GA 280).

DRAINAGE AREA.—13.40 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 1961 to March, 1990 (peak streamflow only), December 4, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 756.39 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair, except for periods of estimated discharges, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—December 4, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 756.39 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.— Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.86 feet, September 16; minimum gage-height recorded, 3.54 feet, June 7, July 23-25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 4, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40* CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.1	3.8	4.9	4.7	5.2	7.4	5.8	20	4.5	20	e4.2	12
2	e5.2	4.0	4.9	4.7	63	7.2	4.7	94	3.7	43	35	20
3	e5.2	3.7	4.8	4.7	16	7.1	4.6	6.1	3.6	7.6	e6.8	3.8
4	5.4	4.2	13	4.6	7.3	6.9	4.4	4.7	3.5	6.7	4.2	3.2
5	5.5	36	5.9	74	7.2	6.9	4.4	4.4	3.2	5.5	e30	2.9
6	5.4	10	4.9	10	133	28	4.3	4.3	3.2	5.4	e5.3	2.8
7	7.1	5.6	5.0	5.6	14	7.3	4.2	4.6	21	7.4	e3.8	e335
8	e200	4.2	4.7	5.2	8.3	6.4	4.3	4.4	5.7	14	e3.6	28
9	6.7	3.8	4.7	18	7.5	6.5	4.1	4.5	3.7	4.2	e4.2	8.2
10	5.0	3.8	87	5.7	7.5	7.0	4.1	4.3	3.4	13	e3.6	6.2
11	4.1	4.1	8.9	5.1	7.0	6.3	16	4.2	e4.4	5.9	e3.4	5.6
12	3.9	4.0	6.2	5.5	152	6.2	79	6.2	e4.5	13	e113	5.1
13	3.8	4.1	20	4.9	12	6.2	70	7.9	e26	4.8	e4.5	4.5
14	3.8	4.2	38	4.8	46	6.1	8.9	5.1	e26	3.8	e3.8	4.3
15	3.8	4.1	7.2	4.7	56	6.3	6.8	4.3	e41	3.7	e9.0	4.4
16	3.8	4.1	6.4	4.7	14	7.5	7.0	65	e15	3.6	e5.3	e465
17	5.4	13	33	4.8	9.4	5.9	6.6	17	13	3.8	e3.4	138
18	4.6	19	6.7	22	8.3	5.8	6.5	16	4.4	4.4	3.6	14
19	3.8	e240	5.5	5.1	7.8	5.7	6.3	4.9	3.8	3.4	3.4	8.5
20	4.4	8.8	5.1	4.7	7.4	5.5	6.0	4.0	3.5	3.5	8.3	6.7
21	3.7	5.9	5.0	4.6	7.6	8.3	6.0	3.9	70	3.3	9.1	5.5
22	3.6	5.0	5.0	4.5	6.5	5.4	5.9	4.5	16	3.1	3.4	4.8
23	3.7	4.7	13	4.5	6.3	4.6	5.3	4.6	79	3.0	25	4.1
24	3.8	16	29	4.5	7.3	4.5	4.7	4.4	11	3.1	3.5	e6.0
25	3.9	5.5	5.6	242	14	4.5	4.4	4.3	41	e50	61	e5.8
26	97	4.5	5.1	28	40	4.5	31	4.1	7.8	e170	7.9	e6.2
27	9.3	59	4.9	9.6	13	4.5	6.2	3.9	263	33	4.3	e390
28	4.8	25	4.8	7.5	8.2	4.4	4.9	3.7	108	e93	3.9	e45
29	4.3	6.6	4.7	6.8	7.6	4.3	5.2	4.0	26	e6.0	22	e11
30	4.1	5.3	17	6.4	---	57	4.6	3.4	18	e5.1	4.2	6.3
31	3.7	---	5.0	6.3	---	8.1	---	46	---	e4.5	3.4	---
TOTAL	433.9	522.0	375.9	528.2	699.4	262.3	336.2	372.7	836.9	550.8	406.1	1562.9
MEAN	14.0	17.4	12.1	17.0	24.1	8.46	11.2	12.0	27.9	17.8	13.1	52.1
MAX	200	240	87	242	152	57	79	94	263	170	113	465
MIN	3.6	3.7	4.7	4.5	5.2	4.3	4.1	3.4	3.2	3.0	3.4	2.8
MED	4.4	4.8	5.5	5.1	8.3	6.3	5.6	4.5	9.2	5.4	4.2	6.2
AC-FT	861	1040	746	1050	1390	520	667	739	1660	1090	805	3100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	14.0	17.4	12.1	13.1	21.8	19.9	13.4	62.7	39.5	28.5	11.2	31.9
MAX	14.0	17.4	12.1	17.0	24.1	31.3	15.6	113	51.1	39.3	13.1	52.1
(WY)	2004	2004	2004	2004	2004	2003	2003	2003	2003	2003	2004	2004
MIN	14.0	17.4	12.1	9.21	19.4	8.46	11.2	12.0	27.9	17.8	9.21	11.8
(WY)	2004	2004	2004	2003	2003	2004	2004	2004	2004	2004	2003	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	10500.7		6887.3			
ANNUAL MEAN	28.8		18.8		18.8	
HIGHEST ANNUAL MEAN					18.8	2004
LOWEST ANNUAL MEAN					18.8	2004
HIGHEST DAILY MEAN	1130	May 16	465	Sep 16	1130	May 16 2003
LOWEST DAILY MEAN	3.6	Oct 22	2.8	Sep 6	2.8	Sep 6 2004
ANNUAL SEVEN-DAY MINIMUM	3.8	Oct 19	3.4	Jul 18	3.4	Jul 18 2004
MAXIMUM PEAK STAGE			15.86	Sep 16	16.40	May 16 2003
ANNUAL RUNOFF (AC-FT)	20830		13660		13630	
10 PERCENT EXCEEDS	37		39		39	
50 PERCENT EXCEEDS	7.5		5.5		5.5	
90 PERCENT EXCEEDS	4.4		3.8		3.8	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40* CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.61	3.69	3.68	3.71	3.80	3.73	4.00	3.66	4.04	---	3.86
2	---	3.63	3.69	3.68	4.25	3.79	3.68	4.54	3.61	4.29	4.03	4.06
3	---	3.61	3.68	3.68	4.01	3.79	3.67	3.75	3.60	3.81	---	3.69
4	3.71	3.65	3.94	3.67	3.80	3.78	3.66	3.68	3.59	3.77	3.72	3.65
5	3.72	3.99	3.74	4.35	3.79	3.78	3.66	3.65	3.57	3.72	---	3.62
6	3.72	3.88	3.69	3.88	4.75	4.12	3.65	3.65	3.56	3.71	---	3.61
7	3.78	3.72	3.70	3.72	3.98	3.80	3.65	3.67	3.86	3.73	---	5.92
8	4.88	3.64	3.68	3.70	3.84	3.76	3.65	3.65	3.71	3.89	---	4.27
9	3.77	3.61	3.68	4.00	3.80	3.77	3.64	3.66	3.61	3.65	---	3.91
10	3.70	3.62	4.60	3.73	3.81	3.78	3.64	3.65	3.59	3.83	---	3.83
11	3.64	3.63	3.85	3.70	3.78	3.76	3.92	3.64	---	3.72	---	3.80
12	3.63	3.63	3.75	3.71	4.94	3.75	4.04	3.71	---	3.85	---	3.78
13	3.62	3.64	3.95	3.69	3.95	3.75	4.54	3.81	---	3.67	---	3.74
14	3.61	3.64	4.26	3.68	4.39	3.75	3.86	3.69	---	3.61	---	3.73
15	3.62	3.64	3.79	3.68	4.43	3.76	3.78	3.65	---	3.61	---	3.74
16	3.62	3.63	3.76	3.67	4.00	3.81	3.79	4.12	---	3.60	---	7.04
17	3.69	3.87	4.18	3.68	3.88	3.74	3.77	3.97	3.94	3.62	---	5.08
18	3.66	3.84	3.77	4.06	3.84	3.73	3.76	3.94	3.65	3.65	3.68	4.10
19	3.61	5.31	3.72	3.70	3.82	3.73	3.76	3.68	3.61	3.58	3.66	3.96
20	3.65	3.85	3.70	3.68	3.80	3.72	3.74	3.63	3.59	3.59	3.78	3.90
21	3.61	3.74	3.69	3.67	3.81	3.82	3.74	3.62	4.25	3.57	3.86	3.86
22	3.60	3.70	3.69	3.67	3.76	3.71	3.74	3.67	4.00	3.56	3.67	3.84
23	3.60	3.67	3.80	3.66	3.76	3.67	3.71	3.67	4.37	3.55	4.04	3.81
24	3.62	3.94	4.10	3.66	3.80	3.66	3.68	3.66	3.87	3.56	3.67	---
25	3.62	3.72	3.72	5.49	3.95	3.66	3.66	3.65	4.13	4.41	4.29	---
26	4.65	3.66	3.70	4.20	4.35	3.66	4.16	3.63	3.80	5.16	3.88	---
27	3.84	4.24	3.69	3.88	3.97	3.66	3.75	3.62	5.04	4.13	3.73	---
28	3.68	4.15	3.68	3.80	3.83	3.65	3.69	3.61	4.64	---	3.69	---
29	3.65	3.77	3.68	3.78	3.81	3.65	3.70	3.63	4.15	---	4.11	---
30	3.63	3.71	3.98	3.76	---	4.37	3.67	3.58	4.00	---	3.72	3.93
31	3.61	---	3.70	3.76	---	3.81	---	4.12	---	---	3.67	---
MEAN	---	3.80	3.81	3.83	3.99	3.77	3.77	3.75	---	---	---	---
MAX	---	5.31	4.60	5.49	4.94	4.37	4.54	4.54	---	---	---	---
MIN	---	3.61	3.68	3.66	3.71	3.65	3.64	3.58	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40* CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.00	0.00	0.00	0.00	0.57	0.00	0.14	---	0.09
2	---	---	---	0.00	0.70	0.03	0.00	0.38	---	0.20	---	0.30
3	---	---	---	0.00	0.07	0.01	0.00	0.00	---	0.01	---	0.00
4	---	---	---	0.00	0.00	0.00	0.00	0.00	---	0.02	---	0.00
5	---	---	---	0.02	0.00	0.00	0.00	0.00	---	0.00	---	0.00
6	---	---	0.00	0.00	0.32	0.37	0.00	0.00	---	0.00	---	0.13
7	---	---	0.00	0.00	0.00	0.00	0.00	0.00	---	0.49	---	2.30
8	---	---	0.00	0.00	0.00	0.00	0.03	0.00	---	0.00	---	0.05
9	---	---	0.00	0.00	0.00	0.01	0.00	0.03	---	0.00	---	0.00
10	---	---	0.95	0.00	0.01	0.00	0.00	0.00	---	0.21	0.02	0.00
11	---	---	0.01	0.00	0.00	0.00	0.35	0.00	---	0.00	0.00	0.00
12	---	---	0.00	0.00	0.29	0.00	0.72	0.18	---	0.43	1.57	0.00
13	---	---	0.38	0.00	0.00	0.00	0.53	0.11	---	0.00	0.00	0.00
14	---	---	0.14	0.00	0.01	0.00	0.00	0.00	---	0.00	0.00	0.00
15	---	---	0.00	0.00	0.07	0.00	0.00	0.00	---	0.00	0.82	0.00
16	---	---	0.26	0.00	0.00	0.18	0.00	0.02	0.20	0.00	0.00	3.65
17	---	---	0.10	0.05	0.00	0.00	0.00	0.01	0.12	0.06	0.00	0.17
18	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	---	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00
21	---	---	0.00	0.00	0.01	0.08	0.00	0.00	0.23	0.00	0.06	0.00
22	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.01	0.00
23	---	---	0.01	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
24	---	---	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00
25	---	---	0.00	1.25	0.01	0.00	0.00	0.00	0.23	3.22	1.81	0.00
26	---	---	0.00	0.01	---	0.00	0.80	0.00	0.05	0.23	0.00	0.00
27	---	---	0.00	0.00	---	0.00	0.00	0.00	1.28	0.17	0.00	0.00
28	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.02	0.10	0.00
29	---	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
30	---	---	0.03	0.00	---	0.95	0.04	0.00	0.28	---	0.00	0.00
31	---	---	0.00	0.00	---	0.10	---	0.01	---	0.00	0.00	---
TOTAL	---	---	---	1.34	---	1.73	2.47	1.32	---	---	---	6.69

APALACHICOLA RIVER BASIN
2004 Water Year

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA

LOCATION.—Lat. 33°47'39", Long. 84°28'28", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on upstream left bank of bridge on GA 280 (James Jackson Parkway), 0.7 miles east of Interstate 285, and 2.0 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—13.4 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—May 15, 1976 to May 30, 1977, April 10, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: April 10, 2003 to current year.
pH: April 10, 2003 to current year.
WATER TEMPERATURE: April 10, 2003 to current year.
DISSOLVED OXYGEN: April 10, 2003 to current year.
TURBIDITY: April 10, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance, pH, and turbidity, which is fair, and dissolved oxygen which is poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 379 microsiemens, May 26, 2004; minimum recorded, 41 microsiemens, May 16, 2003, September 16, 2004.
pH: Maximum recorded, 8.7 units, on several days; minimum recorded, 6.5 units, July 27, 2004.
WATER TEMPERATURE: Maximum recorded, 29.0°C, June 19, 2004; minimum recorded, 1.6°C, January 29, 2004.
DISSOLVED OXYGEN: Maximum recorded, 15.6 mg/L, February 19, 2004; minimum recorded, 2.6 mg/L, April 12, 2004.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 379 microsiemens, May 26; minimum recorded, 41 microsiemens, September 16.

pH: Maximum recorded, 8.7 units, on several days; minimum recorded, 6.5 units, July 27.

WATER TEMPERATURE: Maximum recorded, 29.0°C, June 19; minimum recorded, 1.6°C, January 29.

DISSOLVED OXYGEN: Maximum recorded, 15.6 mg/L, February 19; minimum recorded, 2.6 mg/L, April 12.

TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	292	277	285	---	---	---	235	219	227
2	---	---	---	306	281	290	---	---	---	250	235	243
3	---	---	---	312	305	308	---	---	---	257	240	252
4	347	322	342	324	299	312	---	---	---	260	257	258
5	347	334	340	335	116	275	---	---	---	263	80	195
6	350	328	342	229	128	174	242	233	237	187	115	154
7	373	300	343	242	203	219	246	237	242	214	187	202
8	300	60	145	279	238	263	257	246	253	233	214	225
9	238	181	213	290	279	285	261	257	259	300	201	232
10	266	238	255	296	290	292	262	80	154	216	201	207
11	276	266	273	302	294	299	183	132	162	231	216	224
12	275	260	263	311	298	306	---	---	---	249	231	239
13	263	251	261	318	305	312	---	---	---	249	227	236
14	273	263	268	314	305	308	---	---	---	256	249	254
15	278	270	273	314	292	303	---	---	---	263	256	260
16	276	272	275	293	286	289	---	---	---	266	261	263
17	286	264	276	289	223	257	---	---	---	269	257	265
18	290	256	266	235	144	219	---	---	---	257	164	191
19	270	259	268	176	51	127	236	206	222	216	178	200
20	268	205	252	214	176	197	254	236	247	245	216	230
21	271	259	265	233	214	222	261	253	258	265	245	255
22	274	266	271	245	233	240	265	261	263	271	265	268
23	284	244	270	252	245	249	268	180	259	277	271	274
24	281	254	273	254	202	227	205	109	144	281	274	277
25	310	277	291	---	---	---	211	176	195	277	75	145
26	315	85	201	---	---	---	235	211	224	210	111	172
27	224	122	180	---	---	---	251	235	244	245	210	229
28	269	224	248	---	---	---	259	251	255	265	245	255
29	285	269	278	---	---	---	261	254	259	283	265	270
30	295	285	292	---	---	---	255	184	205	284	272	277
31	299	292	295	---	---	---	219	184	205	281	273	277
MONTH	---	---	---	---	---	---	---	---	---	300	75	234

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	281	266	276	330	312	323	281	226	247	302	148	205
2	273	83	217	329	309	317	301	281	293	166	72	129
3	194	109	159	326	308	316	325	298	305	218	166	194
4	229	194	215	325	306	314	325	301	312	244	218	232
5	275	229	251	326	311	318	319	293	308	259	243	249
6	280	69	174	328	165	233	323	292	311	277	259	264
7	209	147	182	286	201	251	292	278	284	314	277	290
8	236	209	223	314	286	296	287	283	285	317	240	297
9	254	236	245	322	298	308	288	281	284	300	221	277
10	263	254	258	327	287	314	285	279	282	293	259	282
11	263	248	257	326	286	311	283	207	238	302	279	293
12	248	61	128	327	311	317	241	74	214	309	274	295
13	210	153	185	328	317	322	169	77	123	285	224	255
14	211	118	157	329	315	324	218	169	195	294	256	273
15	170	98	142	330	315	325	243	218	230	318	278	298
16	203	137	173	327	293	309	305	239	273	317	95	250
17	240	203	222	329	306	313	319	305	311	226	137	177
18	261	240	251	330	309	317	326	313	320	222	122	170
19	265	260	262	328	309	318	331	323	326	224	133	183
20	269	263	265	329	312	320	336	325	328	241	224	233
21	275	269	271	341	279	305	340	313	327	264	240	251
22	276	273	274	336	302	319	342	321	333	323	256	278
23	282	276	279	337	294	318	340	316	331	342	310	326
24	300	282	289	294	282	288	323	297	316	366	339	351
25	315	260	294	294	282	288	307	292	298	368	267	343
26	331	167	236	295	282	290	295	152	221	379	306	350
27	319	205	256	297	284	292	229	166	199	355	250	336
28	378	319	350	297	286	293	254	229	241	336	326	331
29	339	322	328	297	289	293	304	253	270	353	315	329
30	---	---	---	297	108	173	312	283	301	318	296	311
31	---	---	---	245	183	223	---	---	---	323	99	195
MONTH	378	61	235	341	108	298	342	74	277	379	72	266

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	245	180	213	231	165	205	---	---	---	300	164	250
2	---	---	---	200	103	150	297	93	249	191	122	149
3	---	---	---	251	200	228	---	---	---	222	170	194
4	---	---	---	280	242	253	239	201	217	252	222	238
5	---	---	---	289	250	264	250	127	219	269	252	262
6	---	---	---	301	256	280	206	130	168	280	269	275
7	---	---	---	288	156	271	231	206	217	276	52	110
8	---	---	---	255	203	227	253	231	242	170	108	144
9	---	---	---	258	234	245	275	253	266	208	170	191
10	---	---	---	266	154	248	281	262	271	228	208	217
11	---	---	---	214	196	204	306	281	292	241	228	234
12	---	---	---	226	118	201	308	66	155	253	241	246
13	---	---	---	240	160	200	210	159	188	254	250	252
14	---	---	---	273	240	259	238	210	222	257	249	253
15	255	73	158	284	267	273	256	63	225	259	248	253
16	198	129	163	292	278	284	200	79	172	261	41	173
17	194	155	177	299	273	289	240	200	217	175	93	147
18	239	192	212	308	284	296	261	240	251	208	175	195
19	263	239	247	302	259	287	276	261	268	220	208	215
20	278	260	266	310	291	301	286	276	282	229	220	223
21	291	99	217	309	275	295	---	---	---	231	227	229
22	210	151	174	318	289	300	---	---	---	232	230	231
23	196	79	144	324	305	316	---	---	---	234	232	233
24	187	107	154	320	271	310	209	184	198	---	---	---
25	200	100	158	321	58	282	212	68	159	---	---	---
26	202	133	165	183	70	142	188	133	164	---	---	---
27	242	63	162	209	63	177	215	188	198	---	---	---
28	185	74	137	---	---	---	237	204	224	---	---	---
29	206	90	157	---	---	---	237	108	171	---	---	---
30	265	179	230	---	---	---	254	213	225	313	301	309
31	---	---	---	---	---	---	276	254	269	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	7.6	7.5	7.6	---	---	---	7.5	7.4	7.4
2	---	---	---	7.7	7.5	7.6	---	---	---	7.6	7.4	7.5
3	7.9	---	---	7.7	7.6	7.6	---	---	---	7.6	7.5	7.5
4	7.9	7.6	7.7	7.8	7.5	7.6	---	---	---	7.7	7.5	7.6
5	8.1	7.5	7.7	7.8	7.2	7.6	---	---	---	7.6	7.3	7.5
6	8.3	7.6	7.7	7.4	7.2	7.2	---	---	---	7.4	7.3	7.3
7	8.2	7.5	7.7	7.4	7.3	7.3	---	---	---	7.5	7.4	7.5
8	7.5	7.0	7.3	7.5	7.4	7.5	---	---	---	7.6	7.5	7.5
9	7.4	7.3	7.4	7.6	7.4	7.5	---	---	---	7.6	7.3	7.6
10	7.5	7.4	7.4	7.7	7.5	7.6	---	---	---	7.5	7.3	7.4
11	7.6	7.4	7.5	7.8	7.6	7.6	---	---	---	7.6	7.4	7.5
12	7.6	7.5	7.6	7.8	7.5	7.6	---	---	---	7.6	7.5	7.6
13	7.7	7.5	7.6	7.8	7.5	7.6	---	---	---	7.6	7.5	7.6
14	7.6	7.5	7.5	7.8	7.6	7.6	---	---	---	7.7	7.6	7.6
15	7.6	7.4	7.5	7.8	7.6	7.6	---	---	---	7.8	7.6	7.7
16	7.7	7.5	7.6	7.8	7.5	7.6	---	---	---	7.7	7.6	7.7
17	7.7	7.5	7.6	7.6	7.2	7.4	---	---	---	7.8	7.6	7.7
18	7.6	7.5	7.5	7.4	7.2	7.2	---	---	---	7.7	7.2	7.4
19	7.6	7.4	7.5	7.3	7.0	7.2	7.5	7.4	7.5	7.5	7.2	7.4
20	7.6	7.4	7.4	7.4	7.3	7.3	7.6	7.5	7.5	7.6	7.3	7.5
21	7.7	7.4	7.4	7.4	7.3	7.3	7.6	7.5	7.5	7.5	7.3	7.3
22	7.7	7.4	7.5	7.4	7.3	7.4	7.6	7.5	7.6	7.8	7.4	7.4
23	7.9	7.4	7.5	7.5	7.4	7.4	7.6	7.5	7.6	7.5	7.3	7.4
24	7.9	7.5	7.6	7.5	7.2	7.4	7.5	7.2	7.3	7.5	7.3	7.4
25	8.2	7.5	7.7	---	7.2	---	7.5	7.3	7.4	7.4	7.1	7.1
26	7.6	7.1	7.4	---	---	---	7.5	7.4	7.5	7.2	7.1	7.2
27	7.3	7.2	7.3	---	---	---	7.6	7.5	7.5	7.4	7.2	7.3
28	7.5	7.3	7.4	---	---	---	7.6	7.5	7.6	7.4	7.3	7.4
29	7.6	7.5	7.5	---	---	---	7.7	7.6	7.6	7.4	7.4	7.4
30	7.6	7.5	7.5	---	---	---	7.6	7.3	7.5	7.6	7.4	7.4
31	7.6	7.5	7.6	---	---	---	7.4	7.3	7.3	7.6	7.5	7.5
MAX	---	---	---	---	---	---	---	---	---	7.8	7.6	7.7
MIN	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.6	7.5	7.5	7.9	7.7	7.7	7.4	7.3	7.4	7.5	7.1	7.2
2	7.6	7.3	7.5	8.1	7.7	7.7	7.4	7.3	7.3	7.2	6.9	7.2
3	7.5	7.3	7.3	8.4	7.6	7.8	7.5	7.3	7.4	7.3	7.2	7.3
4	7.6	7.4	7.5	8.5	7.6	7.8	7.5	7.4	7.4	7.4	7.3	7.3
5	7.6	7.5	7.6	8.5	7.6	7.8	7.7	7.4	7.5	7.5	7.3	7.3
6	7.6	7.3	7.5	7.8	7.3	7.4	7.7	7.5	7.5	7.6	7.4	7.4
7	7.6	7.4	7.6	7.8	7.3	7.5	7.8	7.5	7.6	7.8	7.5	7.5
8	7.7	7.6	7.6	7.8	7.5	7.6	7.8	7.6	7.7	7.8	7.5	7.5
9	7.7	7.6	7.7	7.8	7.6	7.7	8.0	7.6	7.7	7.8	7.4	7.4
10	7.8	7.6	7.7	8.0	7.6	7.7	7.8	7.6	7.7	7.9	7.3	7.4
11	7.8	7.8	7.8	7.9	7.6	7.7	7.7	7.1	7.5	8.0	7.4	7.5
12	7.8	7.5	7.6	8.0	7.6	7.7	7.3	7.0	7.1	7.9	7.4	7.4
13	7.7	7.6	7.7	8.2	7.6	7.6	7.3	7.1	7.2	7.5	7.1	7.3
14	7.9	7.6	7.7	8.4	7.5	7.7	7.4	7.3	7.4	7.6	7.2	7.3
15	7.8	7.7	7.7	8.6	7.4	7.7	7.6	7.4	7.5	7.7	7.2	7.3
16	7.8	7.7	7.7	8.6	7.4	7.8	7.6	7.5	7.6	7.5	6.9	7.2
17	7.9	7.8	7.8	8.6	7.5	7.7	7.8	7.6	7.6	7.1	6.9	7.0
18	8.0	7.8	8.0	8.4	7.5	7.8	7.9	7.6	7.6	7.0	6.8	6.8
19	8.0	7.9	7.9	8.5	7.5	7.7	8.0	7.6	7.7	7.2	6.8	7.1
20	7.9	7.8	7.9	8.7	7.5	7.8	8.0	7.6	7.7	7.5	7.2	7.3
21	7.9	7.7	7.8	8.1	7.5	7.7	8.1	7.7	7.8	7.7	7.3	7.4
22	7.9	7.7	7.8	8.0	7.5	7.6	8.1	7.7	7.8	7.7	7.4	7.5
23	7.8	7.7	7.8	7.8	7.5	7.6	8.1	7.6	7.8	8.1	7.5	7.6
24	---	---	---	8.0	7.5	7.6	8.0	7.6	7.7	8.2	7.5	7.7
25	7.8	7.6	7.7	8.1	7.5	7.6	8.1	7.6	7.7	8.3	7.6	7.7
26	7.6	7.4	7.5	7.9	7.5	7.6	7.7	7.2	7.5	8.4	7.5	7.7
27	7.6	7.4	7.4	8.0	7.4	7.6	7.4	7.2	7.3	8.5	7.5	7.7
28	7.6	7.5	7.5	7.9	7.5	7.6	7.5	7.3	7.3	8.4	7.5	7.7
29	7.8	7.6	7.7	7.8	7.5	7.6	7.7	7.3	7.5	8.6	7.6	7.8
30	---	---	---	7.6	7.2	7.2	7.7	7.4	7.5	8.7	7.5	7.8
31	---	---	---	7.4	7.2	7.3	---	---	---	7.8	7.0	7.1
MAX	---	---	---	8.7	7.7	7.8	8.1	7.7	7.8	8.7	7.6	7.8
MIN	---	---	---	7.4	7.2	7.2	7.3	7.0	7.1	7.0	6.8	6.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.1	7.0	7.0	7.2	6.9	7.1	---	---	---	7.9	6.8	7.4
2	---	7.0	---	7.2	6.9	7.1	8.0	6.8	7.4	7.0	6.8	6.9
3	---	---	---	7.3	7.1	7.2	---	---	---	7.1	6.9	7.0
4	---	---	---	7.3	7.1	7.1	7.3	7.1	7.2	7.3	7.0	7.1
5	---	---	---	7.4	7.2	7.3	7.5	6.8	7.2	7.4	7.1	7.2
6	---	---	---	7.5	7.1	7.3	7.0	6.7	6.9	7.6	7.2	7.3
7	---	---	---	7.8	7.2	7.4	7.3	7.0	7.1	7.3	6.8	7.1
8	---	---	---	7.3	7.1	7.2	7.4	7.1	7.2	7.2	7.0	7.1
9	---	---	---	7.6	7.0	7.2	7.7	7.2	7.4	7.2	7.1	7.2
10	---	---	---	8.0	7.1	7.3	7.8	7.3	7.4	7.3	7.2	7.2
11	---	---	---	7.5	7.0	7.1	8.2	7.4	7.5	7.3	7.2	7.3
12	---	---	---	7.5	6.9	7.1	7.4	6.8	7.1	7.5	7.3	7.4
13	---	---	---	7.4	6.9	7.1	7.3	7.2	7.2	7.7	7.4	7.4
14	---	---	---	7.5	7.1	7.3	7.5	7.2	7.3	7.7	7.3	7.5
15	7.1	---	---	7.8	7.2	7.4	7.6	6.9	7.3	7.7	7.3	7.5
16	7.1	6.8	7.0	8.0	7.3	7.4	7.4	7.0	7.3	7.5	6.8	7.4
17	7.2	7.0	7.1	8.0	7.3	7.5	7.5	7.2	7.3	7.1	7.0	7.1
18	7.2	7.0	7.1	8.3	7.4	7.6	7.8	7.3	7.5	7.2	7.1	7.2
19	7.4	7.1	7.2	8.3	7.3	7.6	7.9	7.4	7.5	7.3	7.2	7.2
20	7.8	7.2	7.4	8.4	7.4	7.8	8.1	7.4	7.5	7.3	7.3	7.3
21	7.6	6.9	7.4	8.6	7.4	7.8	---	---	---	7.3	7.3	7.3
22	7.2	7.0	7.1	8.7	7.4	7.8	---	---	---	7.4	7.3	7.3
23	7.2	6.9	7.1	8.5	7.4	7.8	---	---	---	7.4	7.3	7.3
24	7.1	6.9	7.1	8.2	7.4	7.6	7.4	6.9	7.2	---	---	---
25	7.3	6.9	7.2	8.4	6.6	7.5	7.3	6.8	7.1	---	---	---
26	7.2	7.0	7.1	7.2	6.7	7.1	7.2	7.0	7.1	---	---	---
27	7.3	6.8	7.2	7.2	6.5	7.2	7.3	7.1	7.2	---	---	---
28	7.3	7.0	7.1	---	---	---	7.5	7.2	7.3	---	---	---
29	7.2	7.0	7.1	---	---	---	7.5	7.1	7.3	---	---	---
30	7.3	7.1	7.2	---	---	---	7.5	7.2	7.3	7.3	7.2	7.3
31	---	---	---	---	---	---	7.8	7.3	7.4	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	16.4	13.5	15.1	---	---	---	7.9	4.2	6.1
2	---	---	---	16.5	13.6	15.2	---	---	---	9.8	6.4	8.1
3	15.5	---	---	16.3	13.4	15.1	---	---	---	12.4	8.9	10.6
4	17.2	13.8	15.5	18.2	15.5	16.9	---	---	---	13.8	10.8	12.3
5	18.3	15.0	16.8	21.8	17.8	19.2	7.3	---	---	15.1	11.7	13.8
6	19.2	17.1	18.2	20.8	19.7	20.2	7.1	5.7	6.3	11.7	5.8	8.6
7	19.6	18.1	18.8	19.8	17.8	18.9	6.4	4.0	5.3	5.8	2.9	3.9
8	20.0	18.6	19.2	17.8	15.7	16.4	6.5	3.7	5.2	4.4	2.2	3.3
9	20.0	18.3	19.2	16.0	13.7	15.0	8.4	4.6	6.5	5.8	4.4	5.1
10	20.0	18.8	19.3	13.7	11.6	12.8	12.4	8.4	10.3	5.4	3.6	4.7
11	18.9	18.3	18.5	14.3	11.2	12.8	8.9	6.2	7.5	4.7	1.9	3.4
12	20.3	18.0	19.0	16.1	12.4	14.4	---	4.8	---	5.7	2.0	3.8
13	20.2	17.6	19.0	15.9	10.4	13.3	---	---	---	7.6	4.3	5.9
14	20.6	17.7	19.6	10.4	8.3	9.5	---	---	---	9.0	4.9	7.0
15	17.7	15.0	16.0	11.4	8.6	10.0	---	---	---	9.0	6.9	8.2
16	15.6	12.8	14.4	13.4	9.9	11.6	---	---	---	7.5	4.7	6.3
17	14.9	12.9	14.1	17.2	13.4	15.4	---	---	---	7.3	4.9	6.2
18	15.5	12.9	14.3	18.2	15.2	16.5	7.3	---	---	10.5	7.3	9.2
19	15.6	12.6	14.3	18.6	14.7	17.3	6.7	4.9	5.8	9.3	4.8	7.1
20	16.2	13.3	14.9	14.7	12.0	13.4	4.9	3.0	3.9	5.0	2.4	3.9
21	17.4	13.8	15.7	13.7	10.6	12.2	4.3	1.7	3.1	5.6	2.4	4.0
22	16.9	15.0	16.1	13.4	10.2	11.9	5.6	2.1	3.9	5.9	2.6	4.3
23	16.3	13.7	15.2	13.7	10.3	12.1	9.6	3.6	5.9	5.1	2.7	4.1
24	15.7	13.6	14.8	13.4	10.1	12.7	11.2	6.5	9.4	7.6	2.6	5.0
25	16.7	14.4	15.5	---	---	---	6.5	4.2	5.2	10.2	5.9	8.1
26	18.6	16.2	17.4	---	---	---	5.8	3.2	4.6	6.0	5.5	5.7
27	18.3	14.9	17.1	---	---	---	6.0	3.0	4.6	7.6	4.7	6.1
28	14.9	12.8	13.8	---	---	---	6.7	3.3	5.1	5.2	2.4	3.8
29	14.7	12.3	13.6	---	---	---	9.7	5.2	7.2	5.4	1.6	3.5
30	15.3	11.9	13.7	---	---	---	9.9	7.0	8.9	7.5	3.8	5.4
31	15.9	12.9	14.5	---	---	---	7.1	4.6	6.1	6.6	3.4	5.0
MONTH	---	---	---	---	---	---	---	---	---	15.1	1.6	6.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.7	3.5	5.1	15.1	8.8	11.6	14.3	9.7	12.0	22.5	18.6	20.2
2	5.9	4.5	5.0	16.4	13.2	14.6	16.5	9.4	12.8	20.6	17.2	19.3
3	8.3	4.6	6.1	17.9	13.7	15.5	18.4	11.3	14.6	18.0	14.5	16.1
4	7.4	4.1	5.7	18.0	14.3	15.9	17.1	11.3	14.1	18.8	12.4	15.4
5	6.2	5.7	6.0	17.5	14.8	16.1	17.3	10.3	13.6	21.1	13.8	17.2
6	8.6	5.9	7.2	19.3	15.9	17.2	19.0	11.2	14.8	22.9	16.4	19.5
7	8.2	4.6	6.3	17.6	13.0	15.2	19.4	12.4	15.9	23.8	17.4	20.5
8	7.1	3.0	4.9	14.4	10.3	12.3	19.3	15.1	17.0	24.4	18.1	21.1
9	7.0	4.7	5.7	12.9	9.0	10.7	20.3	13.9	16.9	23.4	19.5	21.4
10	7.6	5.3	6.4	13.8	7.7	10.3	18.3	13.0	15.9	24.0	19.3	21.5
11	8.5	6.9	7.7	14.0	7.3	10.5	17.9	14.7	16.5	24.0	20.3	22.0
12	8.0	6.7	7.4	14.7	8.9	11.6	18.3	15.0	16.7	23.2	20.4	21.6
13	9.9	5.8	7.8	15.0	9.1	11.7	15.4	11.5	14.3	23.3	20.6	21.7
14	9.1	8.2	8.7	16.4	11.0	13.5	15.9	10.1	12.4	22.8	20.1	21.3
15	8.9	8.0	8.5	17.6	13.8	15.6	18.6	10.3	14.0	23.6	19.6	21.4
16	8.5	6.7	7.7	18.6	14.7	16.1	20.2	12.0	15.7	23.9	19.8	21.7
17	8.5	6.4	7.4	17.0	12.0	14.3	21.3	13.6	17.1	24.0	20.4	22.1
18	10.0	5.4	7.4	14.7	10.9	12.9	22.6	14.8	18.3	23.3	21.3	22.2
19	10.6	5.0	7.6	18.6	11.1	14.5	22.8	15.9	19.1	24.8	20.5	22.4
20	10.8	6.7	8.7	19.1	12.6	15.7	22.0	17.1	19.5	25.6	20.5	22.9
21	12.9	9.5	10.9	17.9	12.4	15.8	21.3	17.1	19.1	26.3	21.3	23.6
22	11.9	7.4	9.5	14.1	9.1	11.4	23.0	16.8	19.6	24.2	22.2	23.3
23	9.5	7.7	8.7	14.1	7.0	10.5	23.7	17.4	20.3	26.0	21.2	23.4
24	10.6	9.1	9.8	15.9	8.5	12.0	23.5	17.8	20.5	25.2	20.8	23.1
25	10.2	8.1	9.3	18.3	10.8	14.3	23.1	18.5	20.8	26.7	22.0	24.1
26	8.1	5.2	5.7	20.3	13.0	16.4	21.4	17.5	19.5	26.7	22.6	24.5
27	7.7	5.4	6.2	20.7	13.8	17.1	20.4	15.1	17.5	26.6	22.5	24.3
28	10.8	4.3	7.1	21.4	14.4	17.7	20.0	13.5	16.6	25.8	22.5	23.9
29	11.3	5.8	8.4	18.8	16.1	17.2	21.0	15.5	18.1	24.7	22.5	23.5
30	---	---	---	20.1	15.2	17.1	20.0	18.2	19.1	26.5	21.9	24.1
31	---	---	---	16.1	12.2	14.4	---	---	---	24.9	21.4	22.8
MONTH	12.9	3.0	7.3	21.4	7.0	14.2	23.7	9.4	16.7	26.7	12.4	21.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.9	20.4	21.5	24.9	22.2	23.4	27.7	---	---	25.2	23.4	24.3
2	---	19.7	---	24.6	22.5	23.4	27.1	24.6	25.8	24.3	22.8	23.5
3	---	---	---	26.3	22.7	24.2	28.2	---	---	24.6	22.4	23.4
4	---	---	---	27.1	22.8	24.6	28.1	24.1	26.0	24.5	21.9	23.2
5	---	---	---	28.3	23.5	25.7	27.4	24.0	25.5	24.6	22.0	23.2
6	---	---	---	27.1	23.7	25.3	26.5	23.5	24.7	23.6	22.3	22.9
7	---	---	---	27.1	22.8	24.8	24.9	21.0	22.9	23.6	21.9	22.7
8	---	---	---	27.9	23.2	25.2	24.7	20.2	22.4	23.1	22.0	22.6
9	---	---	---	27.2	23.5	25.3	24.5	20.6	22.5	24.6	21.0	22.6
10	---	---	---	27.6	23.9	25.5	23.1	21.5	22.2	24.4	21.5	22.8
11	---	---	---	28.8	24.2	26.3	24.7	20.5	22.5	24.2	21.3	22.7
12	---	---	---	27.2	24.5	25.7	24.5	22.0	23.3	24.2	21.7	22.8
13	---	---	---	28.6	23.9	26.0	23.7	20.1	21.8	23.3	21.6	22.4
14	26.7	---	---	28.7	24.4	26.4	23.6	18.7	21.2	22.7	20.5	21.6
15	25.9	23.7	24.6	27.7	24.3	25.8	24.2	20.6	22.1	21.8	20.7	21.3
16	26.6	23.2	24.6	26.0	22.8	24.6	25.1	21.8	23.1	23.3	21.6	22.3
17	27.2	23.4	25.2	26.2	23.7	24.7	25.3	21.6	23.4	22.8	21.7	22.2
18	27.9	24.1	25.9	27.9	23.9	25.5	25.2	21.8	23.5	22.4	19.9	21.0
19	29.0	24.6	26.6	26.7	23.1	24.8	25.8	21.8	23.8	21.2	18.1	19.5
20	27.9	24.1	25.9	26.0	22.3	24.2	26.2	22.7	24.1	20.0	17.2	18.6
21	25.7	24.3	24.8	26.9	22.7	24.6	---	---	---	20.4	17.2	18.6
22	27.5	23.5	25.1	27.1	23.3	25.1	---	---	---	20.7	17.2	18.8
23	26.0	23.4	24.4	28.3	24.0	25.9	25.9	---	---	21.6	17.6	19.5
24	24.9	23.2	24.0	27.5	24.4	25.9	26.1	22.9	24.5	18.7	---	---
25	25.9	23.1	24.4	28.2	23.4	25.7	24.8	23.4	23.9	---	---	---
26	24.8	23.0	24.0	26.5	23.7	24.8	25.5	22.4	23.8	---	---	---
27	25.3	22.8	23.9	25.8	23.9	24.7	26.2	22.6	24.2	---	---	---
28	24.3	22.8	23.5	---	24.0	---	26.1	23.2	24.6	---	---	---
29	25.1	22.2	23.5	---	---	---	26.0	23.4	24.6	21.4	---	---
30	24.3	22.7	23.3	27.4	---	---	26.2	23.1	24.6	21.4	18.2	19.7
31	---	---	---	27.2	---	---	25.9	23.1	24.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	8.7	7.6	8.0	---	---	---	---	---	---
2	---	---	---	8.8	7.5	8.1	---	---	---	---	---	---
3	9.8	---	---	9.1	7.5	8.1	---	---	---	---	---	---
4	9.8	7.1	8.2	8.9	7.0	7.8	---	---	---	---	---	---
5	10.1	6.9	8.1	8.6	6.3	7.3	---	---	---	---	---	---
6	10.3	6.7	7.9	6.7	6.0	6.3	---	---	---	---	---	---
7	9.6	6.5	7.7	7.2	5.2	6.4	---	---	---	---	---	---
8	7.9	6.6	7.3	8.2	6.5	7.4	---	---	---	---	---	---
9	7.3	6.8	7.1	8.8	6.9	7.9	---	---	---	---	---	---
10	7.4	6.0	6.9	9.6	7.8	8.6	---	---	---	---	---	---
11	7.6	6.7	7.2	9.7	7.4	8.7	---	---	---	---	---	---
12	7.9	6.8	7.3	9.4	7.3	8.3	---	---	---	---	---	---
13	8.1	6.7	7.3	9.5	7.3	8.3	---	---	---	---	---	---
14	7.7	5.2	6.8	10.4	8.5	9.4	---	---	---	---	---	---
15	8.0	6.3	7.1	10.3	8.6	9.3	---	---	---	---	---	---
16	8.5	6.9	7.6	10.5	8.2	9.2	---	---	---	---	---	---
17	8.7	6.9	7.7	8.2	5.2	7.3	---	---	---	---	---	---
18	8.4	6.4	7.4	---	---	---	---	---	---	---	---	---
19	8.4	6.3	7.2	---	---	---	---	---	---	---	---	---
20	8.7	5.7	7.0	---	---	---	---	---	---	---	---	---
21	8.6	5.7	7.0	---	---	---	---	---	---	---	---	---
22	8.6	5.8	7.1	---	---	---	---	---	---	---	---	---
23	9.1	5.8	7.1	---	---	---	---	---	---	11.7	10.0	10.8
24	9.4	6.1	7.7	---	---	---	---	---	---	11.8	9.5	10.8
25	10.4	6.7	8.2	---	---	---	---	---	---	10.5	8.8	9.7
26	7.8	6.7	7.3	---	---	---	---	---	---	10.5	10.0	10.2
27	7.4	7.1	7.3	---	---	---	---	---	---	10.7	10.0	10.3
28	8.5	7.4	8.0	---	---	---	---	---	---	12.1	10.2	11.2
29	8.5	7.6	8.1	---	---	---	---	---	---	11.9	10.6	11.3
30	8.7	7.7	8.2	---	---	---	---	---	---	11.4	10.1	10.8
31	8.7	7.6	8.1	---	---	---	---	---	---	11.8	10.2	10.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.7	10.3	11.0	11.4	7.2	9.3	9.2	7.3	8.1	5.9	4.8	5.5
2	11.4	10.1	10.9	10.3	6.8	8.5	9.1	6.5	8.0	6.7	5.2	6.3
3	11.0	9.9	10.6	10.9	7.7	8.9	9.1	5.6	7.6	7.5	5.9	6.8
4	11.4	10.1	10.7	11.4	7.6	9.0	9.4	6.0	7.7	8.1	5.4	7.1
5	11.0	10.2	10.6	11.3	7.5	8.8	9.8	6.5	8.0	8.0	6.2	7.1
6	10.8	9.6	10.3	8.0	5.5	7.3	9.7	6.3	8.0	8.0	5.8	6.9
7	10.9	9.7	10.3	9.9	4.6	7.8	10.7	6.3	8.4	8.2	6.1	7.0
8	11.7	10.3	11.1	11.1	7.3	9.1	9.4	6.6	7.7	8.3	5.8	7.1
9	11.4	10.3	10.9	11.8	7.8	9.8	9.9	5.9	8.0	8.7	5.5	6.9
10	11.6	10.0	10.8	12.4	8.5	10.0	10.3	5.7	8.2	8.8	5.2	6.7
11	11.2	9.9	10.5	11.3	6.1	8.9	8.2	3.6	6.7	9.2	5.1	6.6
12	11.3	9.9	10.6	11.4	6.1	8.5	9.0	2.6	4.2	9.5	5.1	6.8
13	11.2	9.7	10.6	13.0	5.6	9.8	9.1	8.2	8.5	8.9	4.6	6.4
14	10.7	9.8	10.2	13.3	7.2	9.8	9.8	8.3	9.1	9.2	4.3	6.3
15	10.9	9.6	10.1	13.2	6.7	9.1	9.6	7.5	8.7	9.3	4.1	6.1
16	10.9	9.9	10.4	11.1	5.8	8.1	9.5	7.7	8.6	---	3.7	---
17	11.2	9.9	10.4	11.4	5.6	8.0	9.4	7.5	8.5	---	---	---
18	11.5	9.5	10.3	13.0	5.0	8.9	9.3	7.2	8.3	---	---	---
19	15.6	9.7	11.6	11.3	4.3	8.4	9.4	7.0	8.2	---	---	---
20	13.6	10.3	11.8	12.1	4.2	7.4	9.4	7.1	8.2	8.2	6.1	6.9
21	12.6	9.6	10.6	11.1	3.9	7.5	9.7	6.8	8.2	8.8	5.8	7.0
22	11.8	9.6	10.5	12.0	6.7	9.2	9.6	6.9	8.1	8.7	6.0	7.2
23	12.4	9.7	10.9	11.9	7.6	9.5	9.7	6.7	8.0	9.4	6.2	7.6
24	11.6	8.3	10	11.8	7.2	9.2	9.5	6.4	7.9	9.7	6.3	7.7
25	9.9	8.3	8.9	11.2	6.2	8.5	9.7	6.5	7.8	9.8	6.0	7.6
26	10.8	8.7	9.7	9.9	5.2	7.5	7.3	6.2	6.7	9.6	5.8	7.3
27	11.0	9.6	10	9.8	4.1	6.5	7.4	5.5	6.5	9.9	5.8	7.4
28	11.0	9.3	10.1	9.2	4.6	6.4	7.8	5.6	6.7	10.1	5.8	7.4
29	10.6	9.1	9.7	9.0	5.2	6.7	7.9	5.6	6.7	10.5	5.9	7.8
30	---	---	---	8.7	5.3	7.1	7.6	5.6	6.4	10.3	5.9	7.8
31	---	---	---	8.1	6.2	7.2	---	---	---	7.6	5.0	6.5
MONTH	15.6	8.3	10.5	13.3	3.9	8.4	10.7	2.6	7.7	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.7	6.0	7.0	---	---	---	8.7	---	---	9.9	3.4	6.7
2	---	6.5	---	---	---	---	9.6	6.5	7.6	6.5	3.1	5.4
3	---	---	---	---	---	---	---	---	---	7.6	4.7	5.9
4	---	---	---	---	---	---	7.8	6.2	6.9	8.1	4.4	6.0
5	---	---	---	---	---	---	8.7	5.6	7.0	8.8	4.9	6.5
6	---	---	---	---	---	---	6.4	4.2	5.4	8.8	5.3	6.7
7	---	---	---	9.0	5.7	7.1	7.7	5.7	6.7	8.9	5.6	7.9
8	---	---	---	7.7	4.8	6.3	8.4	6.0	7.1	7.8	7.1	7.5
9	---	---	---	9.4	4.8	6.7	10.0	6.3	8.0	7.8	6.3	7.2
10	---	---	---	10.7	4.6	7.2	10.6	7.1	8.6	7.9	6.5	7.1
11	---	---	---	8.9	4.7	6.3	11.8	7.4	9.2	8.1	6.6	7.3
12	---	---	---	9.5	4.6	6.3	8.8	7.2	8.1	8.8	6.7	7.6
13	---	---	---	8.8	5.2	6.6	9.1	7.9	8.5	9.8	6.9	8.0
14	---	---	---	9.3	5.1	6.6	9.8	8.1	8.9	10.2	6.9	8.2
15	---	---	---	9.9	5.0	7.0	10.3	8.1	9.1	10.1	6.6	8.1
16	6.9	6.1	6.4	10.5	5.6	7.6	9.1	8.0	8.7	8.7	6.8	7.7
17	6.9	5.5	6.3	10.9	5.5	7.5	9.6	7.9	8.6	8.2	7.8	8.0
18	6.8	5.0	5.8	10.9	5.3	7.8	10.5	7.6	8.9	8.4	7.9	8.1
19	7.8	4.9	6.1	11.6	5.6	7.8	11.3	7.8	9.2	8.9	8.1	8.5
20	9.2	5.4	6.9	12.4	5.5	8.3	11.6	7.6	---	9.3	8.4	8.8
21	8.2	5.6	6.7	12.2	5.6	8.3	---	---	---	9.3	8.2	8.8
22	7.1	6.1	6.6	13.2	5.5	8.5	---	---	---	9.4	8.0	8.6
23	7.7	6.1	6.9	11.6	5.2	7.7	---	---	---	9.4	7.7	8.5
24	7.4	6.7	7.1	10.8	4.8	7.3	8.2	5.8	7.0	---	7.6	---
25	7.7	6.5	7.1	11.6	5.4	7.8	7.9	6.0	6.7	---	---	---
26	7.6	6.3	7.1	8.2	6.8	7.4	7.5	6.3	6.8	---	---	---
27	8.4	6.8	7.6	8.0	6.7	7.0	8.0	6.3	7.0	---	---	---
28	8.3	7.7	7.9	---	---	---	8.4	6.0	7.1	---	---	---
29	8.0	6.8	7.6	---	---	---	7.6	6.4	7.0	---	---	---
30	---	---	---	---	---	---	8.4	6.4	7.2	8.4	7.3	7.9
31	---	---	---	---	---	---	9.1	6.3	7.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	14	<5.0	6.3
2	---	---	---	---	---	---	---	---	---	11	<5.0	<5.0
3	---	<5.0	---	---	---	---	---	---	---	7.8	<5.0	<5.0
4	5.8	<5.0	<5.0	---	---	---	---	---	---	8.1	<5.0	<5.0
5	36	<5.0	6.5	---	---	---	---	---	---	450	<5.0	13
6	48	<5.0	5.1	---	---	---	---	---	---	120	29	47
7	46	<5.0	5.2	---	---	---	---	---	---	31	8.1	13
8	1000	7.3	98	6.8	<5.0	5.0	---	---	---	14	<5.0	5.7
9	51	8.2	19	<5.0	<5.0	<5.0	---	---	---	100	<5.0	25
10	9.7	<5.0	5.3	<5.0	<5.0	<5.0	---	---	---	21	6.0	10
11	<5.0	<5.0	<5.0	8.0	<5.0	<5.0	---	---	---	7.0	<5.0	<5.0
12	6.8	<5.0	<5.0	7.8	<5.0	<5.0	---	---	---	6.7	<5.0	<5.0
13	5.3	<5.0	<5.0	8.2	<5.0	<5.0	---	---	---	14	<5.0	7.1
14	5.7	<5.0	<5.0	10	<5.0	<5.0	---	---	---	8.4	<5.0	<5.0
15	5.2	<5.0	<5.0	6.1	<5.0	<5.0	---	---	---	19	<5.0	<5.0
16	6.8	<5.0	<5.0	<5.0	<5.0	<5.0	---	---	---	16	<5.0	<5.0
17	12	<5.0	<5.0	140	<5.0	20	---	---	---	16	<5.0	<5.0
18	14	<5.0	<5.0	520	<5.0	11	---	---	---	230	16	77
19	<5.0	<5.0	<5.0	1600	55	120	24	5.0	7.1	28	6.1	9.1
20	140	<5.0	<5.0	55	13	20	8.1	<5.0	<5.0	---	---	---
21	36	<5.0	9.5	19	6.7	11	8.1	<5.0	<5.0	---	---	---
22	9.0	<5.0	<5.0	21	<5.0	5.7	8.0	<5.0	<5.0	---	<5.0	---
23	13	<5.0	<5.0	<5.0	<5.0	<5.0	310	<5.0	<5.0	5.6	<5.0	<5.0
24	6.6	<5.0	<5.0	180	<5.0	24	280	24	45	6.5	<5.0	<5.0
25	<5.0	<5.0	<5.0	---	---	---	28	10	15	520	<5.0	140
26	970	<5.0	120	---	---	---	12	<5.0	5.8	130	22	41
27	73	17	32	---	---	---	6.3	<5.0	<5.0	22	6.7	9.6
28	18	5.3	9.8	---	---	---	7.1	<5.0	<5.0	7.5	<5.0	<5.0
29	7.3	<5.0	<5.0	---	---	---	9.7	<5.0	5.6	8.3	<5.0	<5.0
30	---	---	---	---	---	---	300	6.8	64	12	<5.0	<5.0
31	---	---	---	---	---	---	120	12	31	8.7	<5.0	<5.0
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.7	<5.0	<5.0	8.7	<5.0	<5.0	12	<5.0	5.4	250	<5.0	24
2	720	<5.0	6.8	5.5	<5.0	<5.0	9.4	<5.0	<5.0	650	22	89
3	300	36	91	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	22	6.2	9.8
4	37	9.7	15	8.9	<5.0	<5.0	8.3	<5.0	<5.0	9.9	<5.0	<5.0
5	15	6.9	9.2	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	6.3	<5.0	<5.0
6	730	5.5	170	400	<5.0	40	9.8	<5.0	<5.0	<5.0	<5.0	<5.0
7	140	21	40	20	<5.0	6.5	17	<5.0	<5.0	5.5	<5.0	<5.0
8	21	7.4	11	<5.0	<5.0	<5.0	20	<5.0	<5.0	8.4	<5.0	<5.0
9	17	<5.0	6.6	<5.0	<5.0	<5.0	5.8	<5.0	<5.0	16	2.8	7.2
10	13	5.3	7.1	23	<5.0	<5.0	23	<5.0	<5.0	140	<5.0	5.2
11	60	<5.0	6.3	23	<5.0	5.1	420	<5.0	35	5.5	<5.0	<5.0
12	490	57	140	5.4	<5.0	<5.0	830	<5.0	12	35	<5.0	<5.0
13	83	14	25	<5.0	<5.0	<5.0	820	60	140	120	5.5	9.9
14	230	13	74	<5.0	<5.0	<5.0	63	11	24	12	<5.0	<5.0
15	330	24	60	15	<5.0	<5.0	14	<5.0	6.1	5.9	<5.0	<5.0
16	98	18	28	90	5.1	13	14	<5.0	<5.0	540	<5.0	<5.0
17	20	5.4	8.7	23	<5.0	<5.0	7.5	<5.0	<5.0	170	25	71
18	7.3	<5.0	<5.0	8.5	<5.0	<5.0	5.3	<5.0	<5.0	---	---	---
19	6.9	<5.0	<5.0	7.9	<5.0	<5.0	<5.0	<5.0	<5.0	---	---	---
20	10	<5.0	<5.0	9.0	<5.0	<5.0	<5.0	<5.0	<5.0	20	<5.0	5.3
21	8.5	<5.0	<5.0	14	<5.0	<5.0	<5.0	<5.0	<5.0	9.4	<5.0	<5.0
22	8.4	<5.0	<5.0	5.5	<5.0	<5.0	<5.0	<5.0	<5.0	9.1	<5.0	<5.0
23	8.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	7.5	<5.0	<5.0
24	11	<5.0	<5.0	11	<5.0	<5.0	5.4	<5.0	<5.0	6.3	<5.0	<5.0
25	21	<5.0	6.5	14	<5.0	<5.0	5.7	<5.0	<5.0	13	<5.0	<5.0
26	95	21	60	7.7	<5.0	<5.0	190	<5.0	47	10	<5.0	<5.0
27	83	13	32	11	<5.0	<5.0	37	<5.0	13	7.2	<5.0	<5.0
28	20	6.4	9.6	11	<5.0	<5.0	6.5	<5.0	<5.0	8.3	<5.0	<5.0
29	6.7	<5.0	<5.0	8.2	<5.0	<5.0	<5.0	<5.0	<5.0	5.1	<5.0	<5.0
30	---	---	---	500	<5.0	68	<5.0	<5.0	<5.0	7.9	<5.0	<5.0
31	---	---	---	24	7.0	13	---	---	---	680	<5.0	79
MAX	730	57	170	500	7.0	68	830	60	140	---	---	---
MIN	6.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	57	7.3	19	350	32	110	---	<5.0	---	520	<5.0	7.1
2	---	---	---	810	38	120	950	<5.0	<5.0	500	26	70
3	---	---	---	39	9.8	16	---	---	---	26	<5.0	7.7
4	---	---	---	15	<5.0	6.7	44	<5.0	8.3	13	<5.0	<5.0
5	---	---	---	15	<5.0	5.0	530	<5.0	5.8	12	<5.0	<5.0
6	---	---	---	11	<5.0	5.5	220	21	43	10	<5.0	<5.0
7	---	---	---	850	<5.0	<5.0	23	13	15	940	<5.0	140
8	---	---	---	910	7.8	28	21	10	16	68	13	25
9	---	---	---	14	<5.0	<5.0	31	14	16	14	<5.0	7.7
10	---	---	---	260	<5.0	<5.0	30	18	22	6.8	<5.0	<5.0
11	---	---	---	51	5.1	15	41	22	33	<5.0	<5.0	<5.0
12	---	---	---	1000	<5.0	5.7	1800	33	99	<5.0	<5.0	<5.0
13	---	---	---	63	5.2	14	63	15	30	13	<5.0	<5.0
14	270	<5.0	---	8.8	<5.0	<5.0	18	6.3	11	<5.0	<5.0	<5.0
15	1000	13	44	7.4	<5.0	<5.0	>2200	<5.0	7.2	<5.0	<5.0	<5.0
16	200	41	74	11	<5.0	<5.0	770	32	54	1800	<5.0	<5.0
17	140	22	37	15	<5.0	<5.0	36	8.6	16	370	35	67
18	95	8.5	23	9.6	<5.0	<5.0	18	<5.0	6.6	37	13	19
19	21	<5.0	6.2	11	<5.0	<5.0	8.6	<5.0	5.7	13	7.4	9.0
20	7.7	<5.0	<5.0	44	<5.0	<5.0	---	<5.0	---	17	<5.0	8.9
21	890	<5.0	<5.0	5.9	<5.0	<5.0	---	---	---	10	<5.0	<5.0
22	230	42	81	7.0	<5.0	<5.0	---	---	---	12	<5.0	<5.0
23	1300	13	61	14	<5.0	<5.0	---	---	---	8.4	<5.0	<5.0
24	340	39	100	8.9	<5.0	<5.0	47	5.8	7.8	---	<5.0	---
25	620	19	37	700	<5.0	<5.0	670	<5.0	14	---	---	---
26	180	20	48	860	100	200	150	25	54	---	---	---
27	1100	12	19	1300	40	98	28	5.3	8.8	---	---	---
28	910	71	170	---	---	---	22	<5.0	5.5	---	---	---
29	390	42	110	---	---	---	1400	22	56	---	---	---
30	330	12	24	---	---	---	26	6.1	9.9	15	<5.0	<5.0
31	---	---	---	---	---	---	13	<5.0	5.7	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA

LOCATION.—Lat 33°47'39", long 84°28'28", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, on upstream left bank of bridge on GA 280 (James Jackson Parkway), 0.7 miles east of Interstate 285, and 2.0 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—13.4 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 15, 1976 to May 30, 1977, July 10, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
24...	0800	--	9	9	81345	3.62	3.6	1.9	758	8.7	84	7.5	293
24...	0820	--	9	9	81345	3.62	3.6	2.0	758	9.0	87	7.4	295
JAN													
12...	1350	--	9	9	81345	3.69	5.4	1.7	--	--	--	7.0	249
12...	1355	--	9	9	81345	3.69	5.4	2.3	--	--	--	7.0	249
JAN													
25-25	0356	0358	9	J	81345	3.98	14	19	--	9.3	--	7.3	244
JAN													
25-25	0526	0527	9	J	81345	4.76	75	43	--	9.2	--	7.3	249
JAN													
25-25	0741	0743	9	J	81345	5.41	172	150	--	9.0	--	7.3	197
JAN													
25-25	0912	0914	9	J	81345	6.88	544	480	--	9.1	--	7.2	95
JAN													
25-25	0958	1000	9	J	81345	7.41	713	520	--	9.4	--	7.1	82
JAN													
25-25	1041	1043	9	J	81345	6.90	549	330	--	9.5	--	7.1	75
29...	0850	--	9	9	81345	3.78	7.4	4.0	746	12.8	93	7.1	268
29...	0920	--	9	9	81345	3.78	7.4	3.8	746	12.8	93	7.1	268
FEB													
06-06	0743	0745	9	J	81345	3.99	15	18	--	10.5	--	7.6	274
FEB													
06-06	0827	0829	9	J	81345	4.29	32	490	--	10.6	--	7.6	226
FEB													
06-06	0912	0914	9	J	81345	4.88	89	240	--	10.8	--	7.6	173
FEB													
06-06	0957	0959	9	J	81345	6.22	357	590	--	10.4	--	7.6	178
FEB													
06-06	1042	1044	9	J	81345	6.73	499	680	--	10.6	--	7.5	108
FEB													
06-06	1127	1129	9	J	81345	8.24	989	700	--	10.6	--	7.4	79
FEB													
06-06	1212	1214	9	J	81345	7.47	734	650	--	10.8	--	7.3	70
10...	0900	--	9	9	81345	3.79	7.7	10	--	10.8	--	7.3	259
10...	0915	--	9	9	81345	3.79	7.7	9.5	--	11.1	--	7.3	259
MAR													
09...	1200	--	9	9	81345	3.76	6.9	5.0	741	11.5	109	7.7	309
09...	1215	--	9	9	81345	3.76	6.9	4.9	740	13.0	123	7.8	309
31...	0900	--	9	J	81345	3.76	6.9	18	742	8.4	83	7.2	216
31...	0915	--	9	J	81345	3.76	6.9	20	742	8.4	83	7.2	216
APR													
11-11	0812	0814	9	J	81345	4.02	16	57	--	7.7	--	7.5	233
APR													
11-11	0857	0859	9	J	81345	4.13	22	30	--	8.2	--	7.6	218
APR													
11-11	0942	0944	9	J	81345	4.95	98	300	--	7.8	--	7.5	266
APR													
11-11	1027	1029	9	J	81345	4.70	68	150	--	7.9	--	7.5	243
APR													
11-11	1157	1159	9	J	81345	4.31	33	58	--	7.9	--	7.5	213
APR													
11-11	1412	1414	9	J	81345	4.03	16	44	--	7.2	--	7.4	220
APR													
12-12	2207	2209	9	J	81345	5.04	114	570	--	6.2	--	7.2	164
APR													
12-12	2236	2238	9	J	81345	8.62	1100	630	--	7.4	--	7.0	128
APR													
12-12	2307	2309	9	J	81345	9.30	1310	760	--	8.8	--	7.1	80
APR													
12-12	2336	2338	9	J	81345	7.55	764	790	--	8.9	--	7.1	75
APR													
13-13	0136	0138	9	J	81345	5.04	110	530	--	8.5	--	7.1	90
APR													
13-13	0423	0425	9	J	81345	4.98	102	520	--	8.4	--	7.2	99
APR													
13-13	0550	0552	9	J	81345	6.22	358	680	--	8.4	--	7.1	105
13...	1315	--	9	J	81345	4.20	25	140	740	9.1	92	7.2	133
13...	1330	--	9	J	81345	4.19	24	140	740	9.1	92	7.2	132
MAY													
01-01	0607	0609	9	J	81345	4.56	78	89	--	5.5	--	7.4	288
MAY													
01-01	0637	0639	9	J	81345	5.17	130	160	--	5.4	--	7.3	276
MAY													
01-01	0707	0709	9	J	81345	4.91	93	110	--	5.2	--	7.3	238
MAY													
01-01	0737	0739	9	J	81345	4.72	70	100	--	5.2	--	7.2	210

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
24...	13.5	95	16	27.2	6.52	5.13	.8	18.9	29	78.5	.1	16.6	17.1
24...	13.5	92	13	26.1	6.50	5.00	.8	18.0	28	78.9	.1	17.0	17.8
JAN													
12...	4.0	21	5	6.69	.92	2.85	.6	5.83	34	15.8	<.02	8.02	2.73
12...	5.0	60	12	18.0	3.52	3.82	.7	12.3	29	47.5	<.02	14.4	11.7
JAN													
25-25	7.9	21	6	6.91	.94	2.98	.4	4.62	29	15.3	<.02	6.78	2.67
JAN													
25-25	8.2	20	5	6.69	.91	2.83	.5	4.77	30	15.3	<.02	7.02	3.27
JAN													
25-25	9.2	18	4	5.38	1.02	2.26	.3	2.81	23	13.6	<.02	3.55	5.21
JAN													
25-25	10.1	23	4	6.62	1.65	2.19	.4	4.35	27	19.8	<.02	6.48	8.10
JAN													
25-25	10.0	21	5	6.69	.92	2.85	.6	5.83	34	15.8	<.02	8.02	2.73
JAN													
25-25	9.7	14	3	4.30	.80	2.04	.2	1.93	20	10.8	<.02	2.46	3.92
29...	1.5	50	16	13.0	4.28	2.59	.5	7.38	23	34.2	.1	9.04	14.5
29...	1.5	52	13	14.0	4.10	3.10	.5	8.72	25	38.8	.1	14.7	14.3
FEB													
06-06	6.1	90	25	26.3	5.74	4.78	.6	14.1	24	64.1	<.02	12.3	19.0
FEB													
06-06	6.2	75	25	22.6	4.40	3.94	.6	11.9	25	49.5	.1	10.8	13.8
FEB													
06-06	6.3	56	15	16.8	3.44	3.35	.5	8.40	23	40.9	<.02	9.51	14.7
FEB													
06-06	6.5	58	14	17.9	3.29	3.62	.6	10.6	27	44.1	<.02	11.0	11.4
FEB													
06-06	6.9	32	7	10.1	1.60	2.76	.7	8.85	35	24.7	<.02	11.2	5.87
FEB													
06-06	6.9	22	5	7.15	1.01	2.35	.5	5.68	33	17.4	<.02	7.89	4.38
FEB													
06-06	7.0	18	3	5.96	.77	2.27	.5	4.69	33	15.4	<.02	7.69	3.40
10...	5.4	86	20	24.7	5.88	3.86	.7	15.4	27	65.7	<.02	12.4	20.1
10...	5.5	86	20	24.8	5.80	3.96	.7	15.8	27	65.7	<.02	12.3	20.5
MAR													
09...	11.5	110	39	35.3	5.90	5.56	.7	17.5	24	74.0	.1	17.1	15.2
09...	11.5	110	32	32.0	6.24	4.55	.6	14.4	22	73.8	<.02	17.0	17.2
31...	13.5	68	17	20.8	3.96	4.50	.6	12.1	26	51.6	M	11.8	13.4
31...	13.5	69	17	21.0	4.05	4.54	.6	12.2	26	52.1	M	11.8	13.5
APR													
11-11	14.9	76	13	22.1	4.98	4.15	.7	14.0	27	63.4	.1	15.0	17.4
APR													
11-11	14.9	69	11	20.4	4.41	4.22	.7	13.2	28	57.8	.1	12.6	18.4
APR													
11-11	15.4	91	13	26.9	5.81	4.99	.8	17.3	28	78.3	.1	17.6	18.5
APR													
11-11	15.4	77	9	23.0	4.67	4.74	.7	15.0	28	67.6	.1	17.0	17.5
APR													
11-11	16.3	69	14	20.6	4.14	4.43	.6	12.4	27	54.3	.1	15.5	14.6
APR													
11-11	17.3	65	13	19.7	3.70	4.67	.9	16.4	34	51.4	.1	20.6	13.7
APR													
12-12	16.1	44	6	13.6	2.52	4.11	.5	7.66	25	38.4	<.02	7.00	13.2
APR													
12-12	15.8	45	.0	14.5	2.07	3.75	.7	10.4	31	44.0	M	12.2	8.48
APR													
12-12	15.2	21	2	7.28	.78	2.65	.6	6.66	37	19.8	<.02	8.00	3.14
APR													
12-12	15.0	22	4	7.50	.78	3.01	.6	6.66	36	18.3	<.02	7.50	2.93
APR													
13-13	15.0	25	5	8.26	1.03	3.29	.5	6.09	31	19.9	<.02	7.54	3.86
APR													
13-13	15.0	31	7	10.1	1.46	3.44	.4	5.67	26	23.8	<.02	6.54	5.54
APR													
13-13	15.1	38	8	12.4	1.65	3.61	.4	5.79	23	30.1	<.02	5.28	6.33
13...	14.5	39	8	12.7	1.85	3.43	.5	7.35	27	31.3	M	7.78	7.48
13...	14.5	40	9	12.9	1.88	3.51	.5	7.55	27	31.5	M	7.82	7.47
MAY													
01-01	18.7	100	22	29.9	6.70	5.44	.8	18.1	27	80.3	.1	17.7	22.3
MAY													
01-01	18.6	120	44	36.2	6.31	6.04	.8	20.5	27	72.9	.1	18.2	31.1
MAY													
01-01	18.6	74	12	22.2	4.55	4.58	.7	14.4	28	61.8	.1	17.5	17.1
MAY													
01-01	18.6	63	14	19.2	3.69	4.21	.8	15.1	32	49.6	.1	19.8	15.3

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
OCT													
24...	37.5	179	.24	--	<.020	.56	<.020	--	<.100	<.10	.74	--	--
24...	38.6	179	.24	--	<.020	.55	<.020	--	<.100	<.10	.72	160	310k
JAN													
12...	7.0	46	.06	.03	.021	.55	<.020	--	<.100	<.10	1.17	--	--
12...	19.0	115	.16	.03	.025	.80	<.020	--	<.100	<.10	1.21	110	72k
JAN													
25-25	7.0	44	.06	--	<.020	.59	<.020	--	<.100	.16	1.34	--	--
JAN													
25-25	6.8	44	.06	--	<.020	.51	<.020	--	<.100	<.10	1.52	--	--
JAN													
25-25	4.4	36	.05	--	<.020	.57	<.020	--	<.100	.10	1.53	--	--
JAN													
25-25	5.5	49	.07	.12	.091	.55	<.020	--	<.100	.11	1.30	--	--
JAN													
25-25	7.0	46	.06	.17	.131	.55	<.020	--	<.100	.10	1.21	--	--
JAN													
25-25	3.6	28	.04	.19	.147	.44	<.020	--	<.100	.12	1.33	--	--
29...	21.6	98	.13	.11	.083	1.08	<.020	--	<.100	<.10	1.74	300	480
29...	13.7	104	.14	.11	.082	1.73	.050	--	<.100	<.10	1.65	--	--
FEB													
06-06	37.2	165	.22	.08	.059	1.62	<.020	--	<.100	<.10	1.89	--	--
FEB													
06-06	34.4	138	.19	.09	.068	1.31	<.020	.374	.122	.13	1.64	--	--
FEB													
06-06	24.2	111	.15	.13	.100	1.16	<.020	--	<.100	<.10	1.52	--	--
FEB													
06-06	23.1	113	.15	.07	.052	.97	<.020	.334	.109	.15	1.36	--	--
FEB													
06-06	11.3	71	.10	.59	.462	.53	<.020	.423	.138	.15	1.40	--	--
FEB													
06-06	7.9	51	.07	.38	.294	.48	<.020	.417	.136	.16	1.19	--	--
FEB													
06-06	6.3	46	.06	.32	.245	.98	<.020	.497	.162	.18	1.03	--	--
10...	32.7	161	.22	.06	.046	1.31	<.020	--	<.100	.10	1.55	130	90
10...	32.8	161	.22	.06	.046	1.32	<.020	--	<.100	<.10	1.53	--	--
MAR													
09...	39.7	188	.26	.04	.030	1.47	<.020	--	<.100	<.10	1.56	120	--
09...	40.0	183	.25	.04	.030	1.51	<.020	--	<.100	<.10	1.66	--	--
31...	27.7	131	.18	.09	.070	1.01	.070	--	<.100	<.10	.63	750	1000
31...	27.8	131	.18	.10	.080	1.02	.070	--	<.100	<.10	.86	--	--
APR													
11-11	30.8	150	.20	.08	.062	.67	.020	--	<.100	<.10	.99	--	--
APR													
11-11	25.4	137	.19	.14	.110	.72	.020	--	<.100	<.10	1.25	--	--
APR													
11-11	35.2	177	.24	.11	.087	.76	.030	--	<.100	<.10	1.20	--	--
APR													
11-11	31.0	157	.21	.11	.087	.73	.030	--	<.100	<.10	1.14	--	--
APR													
11-11	25.4	135	.18	.21	.166	.88	.050	--	<.100	<.10	1.72	--	--
APR													
11-11	19.9	134	.18	.52	.406	.72	.060	--	<.100	<.10	1.61	--	--
APR													
12-12	15.2	89	.12	.14	.108	.38	.020	--	<.100	<.10	.77	--	--
APR													
12-12	13.4	94	.13	.30	.233	.14	.020	--	<.100	<.10	.79	--	--
APR													
12-12	5.6	48	.07	.11	.085	.32	.020	--	<.100	<.10	.82	--	--
APR													
12-12	6.7	48	.07	.05	.036	.43	<.020	--	<.100	<.10	.92	--	--
APR													
13-13	9.3	54	.07	.04	.031	.61	.020	--	<.100	<.10	1.11	--	--
APR													
13-13	11.9	62	.08	.05	.039	.67	.020	--	<.100	<.10	1.05	--	--
APR													
13-13	12.7	69	.09	.05	.037	.66	.020	--	<.100	<.10	1.09	--	--
13...	13.4	76	.10	.04	.029	.73	.030	--	<.100	<.10	1.26	--	--
13...	13.4	77	.10	.04	.031	.74	.030	--	<.100	<.10	1.33	3300	4100
MAY													
01-01	38.8	191	.26	--	<.020	.63	.160	--	<.100	<.10	1.69	--	--
MAY													
01-01	34.3	200	.27	.03	.027	.70	.050	--	<.100	<.10	1.34	--	--
MAY													
01-01	27.3	148	.20	--	<.020	.54	.100	.307	.100	<.10	1.47	--	--
MAY													
01-01	21.2	132	.18	.07	.052	.56	.220	--	<.100	<.10	1.27	--	--

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Total coliform, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)
OCT				
24...	--	94.7	<100	130
24...	23800k	63.7	<100	130
JAN				
12...	--	51.4	<100	30
12...	3310	61.7	150	80
JAN				
25-25	--	35.3	<100	30
JAN				
25-25	--	32.5	200	30
JAN				
25-25	--	43.6	210	30
JAN				
25-25	--	45.6	<100	40
JAN				
25-25	--	51.4	<100	30
JAN				
25-25	--	37.3	110	20
29...	2310	58.3	130	60
29...	--	34.7	240	70
FEB				
06-06	--	38.4	<100	120
FEB				
06-06	--	63.5	120	100
FEB				
06-06	--	41.7	260	80
FEB				
06-06	--	38.2	220	80
FEB				
06-06	--	52.3	290	40
FEB				
06-06	--	34.5	330	30
FEB				
06-06	--	19.5	400	20
10...	880	51.6	<100	120
10...	--	57.7	<100	120
MAR				
09...	5000	37.9	100	120
09...	--	54.0	<100	140
31...	140000	65.4	140	100
31...	--	68.9	180	100
APR				
11-11	--	59.6	170	110
APR				
11-11	--	56.5	150	110
APR				
11-11	--	68.8	150	130
APR				
11-11	--	57.3	230	110
APR				
11-11	--	66.8	240	100
APR				
11-11	--	69.1	220	100
APR				
12-12	--	60.3	200	70
APR				
12-12	--	88.3	750	60
APR				
12-12	--	46.6	110	30
APR				
12-12	--	59.3	<100	30
APR				
13-13	--	38.4	160	30
APR				
13-13	--	37.9	130	40
APR				
13-13	--	56.0	<100	50
13...	--	40.4	<100	60
13...	150000	46.8	<100	60
MAY				
01-01	--	67.2	<100	140
MAY				
01-01	--	123	<100	170
MAY				
01-01	--	62.4	<100	100
MAY				
01-01	--	54.8	<100	90

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
MAY													
01-01	0807	0809	9	J	81345	4.56	55	99	--	5.5	--	7.2	204
13...	0715	--	9	J	81345	3.74	5.8	50	750	6.1	69	7.1	235
13...	0730	--	9	J	81345	3.73	5.6	50	750	6.1	69	7.1	235
27...	1100	--	9	9	81345	3.62	3.9	<5.0	747	8.9	107	7.8	347
27...	1110	--	9	9	81345	3.62	3.9	<5.0	747	8.9	107	7.8	347
MAY													
31-31	0741	0743	9	J	81345	4.83	83	460	--	6.2	--	7.4	204
MAY													
31-31	0811	0813	9	J	81345	6.96	568	610	--	6.0	--	7.3	205
MAY													
31-31	0841	0843	9	J	81345	6.76	508	470	--	6.8	--	7.2	131
MAY													
31-31	0942	0944	9	J	81345	5.28	148	370	--	7.6	--	7.2	99
MAY													
31-31	1011	1013	9	J	81345	4.99	103	350	--	7.5	--	7.2	100
MAY													
31-31	1041	1043	9	J	81345	4.80	80	320	--	7.4	--	7.2	103
JUN													
14-14	1414	1416	9	J	81345	--	--	64	--	--	--	7.1	232
JUN													
14-14	1444	1446	9	J	81345	--	--	250	--	--	--	7.0	189
JUN													
14-14	1514	1516	9	J	81345	--	--	220	--	--	--	7.0	159
JUN													
14-14	1614	1616	9	J	81345	--	--	180	--	--	--	6.9	135
JUN													
14-14	1714	1716	9	J	81345	--	--	150	--	--	--	6.8	129
JUN													
14-14	1844	1846	9	J	81345	--	--	130	--	--	--	6.8	129
23...	0925	--	9	J	81345	3.81	7.4	28	748	7.0	84	7.3	160
23...	0930	--	9	J	81345	3.81	7.4	29	748	7.1	85	7.3	160
JUL													
21...	0955	--	9	9	81345	3.57	3.2	6.8	748	9.5	114	7.9	309
21...	1000	--	9	9	81345	3.57	3.2	3.1	748	10.2	123	7.9	309
AUG													
17...	0855	--	9	9	81345	3.52	2.7	19	745	7.8	91	7.4	224
17...	0900	--	9	9	81345	3.52	2.7	19	745	7.8	91	7.4	224
SEP													
07-07	0800	0830	9	J	81345	6.43	414	240	736	8.0	95	7.0	82
SEP													
07-07	0805	0825	9	J	81345	6.23	360	310	736	8.5	101	7.0	72
14...	1030	--	9	9	81345	3.72	5.4	<5.0	753	9.1	103	7.4	314

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
MAY													
01-01	18.7	55	12	17.7	2.69	4.26	1	19.0	40	43.6	.1	22.4	13.3
13...	20.5	75	17	23.2	4.21	4.27	.6	12.4	25	58.7	.1	14.3	15.6
13...	20.5	68	8	20.5	3.93	4.76	.7	13.7	29	59.9	.1	14.0	15.3
27...	23.5	140	58	43.7	7.36	7.93	.9	25.2	27	81.5	.1	17.7	19.8
27...	23.5	100	23	31.1	6.23	7.12	.9	20.4	28	81.0	.1	17.5	14.3
MAY													
31-31	22.2	62	8	19.1	3.32	4.87	.7	12.8	29	53.7	.1	14.7	13.2
MAY													
31-31	22.2	70	11	22.6	3.39	5.08	.7	12.6	26	59.8	.1	13.7	12.1
MAY													
31-31	22.0	37	8	12.0	1.56	4.35	.7	9.04	32	28.4	<.02	12.6	6.23
MAY													
31-31	21.7	26	9	8.60	.98	3.68	.6	6.88	33	16.6	<.02	8.52	4.11
MAY													
31-31	21.7	24	8	8.21	.93	3.68	.6	6.97	34	16.4	<.02	8.21	4.11
MAY													
31-31	21.8	26	9	8.87	1.02	3.74	.6	7.04	33	17.8	<.02	8.25	4.62
JUN													
14-14	26.3	81	19	26.0	3.77	11.2	1	19.6	31	61.6	<.01	21.2	18.1
JUN													
14-14	25.7	67	21	21.7	2.96	4.69	.7	13.0	28	45.7	.1	13.8	15.6
JUN													
14-14	26.3	44	12	14.8	1.77	4.06	.9	13.6	38	32.3	<.01	13.8	9.14
JUN													
14-14	26.7	35	11	11.7	1.38	3.66	.8	10.6	37	23.8	<.01	11.4	7.63
JUN													
14-14	26.7	33	11	11.1	1.29	3.25	.8	10.4	38	21.9	<.01	10.5	7.13
JUN													
14-14	26.5	35	13	11.6	1.38	3.34	.8	10.7	37	22.2	<.01	10.4	7.54
23...	23.5	46	8	14.6	2.38	3.66	.6	8.68	27	38.8	M	9.6	10.2
23...	23.5	49	10	15.4	2.45	4.02	.6	9.50	28	39.0	M	10.1	10.9
JUL													
21...	23.5	93	13	27.7	5.70	4.92	.9	20.6	31	80.0	.1	21.7	10.3
21...	23.5	93	13	27.7	5.72	5.08	.9	21.0	32	80.3	.1	22.0	10.3
AUG													
17...	22.0	79	21	24.6	4.19	5.13	.5	10.4	21	57.9	M	7.9	15.6
17...	22.0	78	20	24.2	4.17	5.06	.5	10.2	21	57.6	M	7.9	15.4
SEP													
07-07	22.0	--	--	--	--	--	--	--	--	20.3	<.02	4.93	--
SEP													
07-07	22.0	--	--	--	--	--	--	--	--	20.9	<.02	4.72	--
14...	21.0	--	--	--	--	--	--	--	--	43.0	.1	8.92	--

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
MAY													
01-01	18.3	127	.17	--	<.020	.60	.170	--	<.100	<.10	1.51	--	--
13...	27.6	140	.19	.80	.623	.48	.050	--	<.100	<.10	1.35	15000	8000
13...	27.1	138	.19	.81	.632	.45	.040	--	<.100	<.10	1.31	--	--
27...	56.0	231	.31	.05	.037	.80	.050	--	<.100	<.10	.91	380	470
27...	56.4	206	.28	.05	.037	.81	.050	--	<.100	<.10	1.27	--	--
MAY													
31-31	21.7	126	.17	--	<.020	.95	<.020	--	<.100	<.10	1.80	--	--
MAY													
31-31	26.0	137	.19	--	<.020	1.20	<.020	--	<.100	<.10	2.54	--	--
MAY													
31-31	12.3	79	.11	--	<.020	.70	.260	--	<.100	<.10	1.18	--	--
MAY													
31-31	9.4	55	.07	--	<.020	.57	.090	--	<.100	<.10	2.31	--	--
MAY													
31-31	9.3	54	.07	--	<.020	.58	.090	--	<.100	<.10	1.93	--	--
MAY													
31-31	9.6	57	.08	--	<.020	.60	.080	--	<.100	<.10	1.84	--	--
JUN													
14-14	32.2	185	.25	--	<.010	3.03	<.010	2.18	.710	.520	3.64	--	--
JUN													
14-14	19.8	126	.17	--	<.010	1.53	<.010	.460	.150	.140	2.59	--	--
JUN													
14-14	14.2	100	.14	--	<.010	1.92	<.010	.644	.210	.190	2.60	--	--
JUN													
14-14	10.8	80	.11	--	<.010	1.68	.170	.491	.160	.180	2.43	--	--
JUN													
14-14	9.8	74	.10	--	<.010	1.27	.360	.429	.140	.130	2.34	--	--
JUN													
14-14	9.7	74	.10	--	<.010	.75	.610	.368	.120	<.050	1.41	--	--
23...	15.9	90	.12	--	<.010	.45	<.010	--	<.050	<.050	.48	--	--
23...	16.1	94	.13	--	<.010	.45	<.010	--	<.050	<.050	.49	1600	7300
JUL													
21...	32.0	173	.23	.08	.060	.27	<.010	--	<.050	<.050	.49	--	--
21...	32.3	174	.24	.04	.030	.27	<.010	--	<.050	<.050	--	280	130
AUG													
17...	31.6	138	.19	--	--	.74	<.010	--	--	--	--	--	--
17...	31.3	136	.19	--	--	.74	<.010	--	--	--	--	660	1200
SEP													
07-07	8.2	--	--	--	<.020	.52	<.020	.644	.210	.33	--	10000	18000
SEP													
07-07	8.6	--	--	--	<.020	.53	<.020	.675	.220	35.0	--	--	--
14...	8.3	--	--	--	<.020	.56	<.020	--	<.100	.13	--	400	440

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Total coliform, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)
MAY				
01-01	--	67.3	<100	80
13...	160000	47.4	<100	110
13...	--	45.6	<100	100
27...	4000	98.7	340	180
27...	--	41.1	<100	130
MAY				
31-31	--	56.0	<100	100
MAY				
31-31	--	45.0	<100	100
MAY				
31-31	--	66.7	<100	50
MAY				
31-31	--	55.9	<100	40
MAY				
31-31	--	46.7	<100	30
MAY				
31-31	--	18.8	<100	40
JUN				
14-14	--	--	<50	130
JUN				
14-14	--	--	<50	100
JUN				
14-14	--	--	<50	70
JUN				
14-14	--	--	<50	60
JUN				
14-14	--	--	<50	50
JUN				
14-14	--	--	<50	60
23...	--	--	<50	60
23...	22000	--	<50	70
JUL				
21...	--	--	140	130
21...	14000	--	120	130
AUG				
17...	--	--	<50	120
17...	46000	--	<50	120
SEP				
07-07	980000	--	--	--
SEP				
07-07	--	--	--	--
14...	25300	--	--	--

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)
OCT													
24...	0801	--	9	80020	3.62	3.6	1.9	758	8.7	7.5	293	13.5	2
24...	0821	--	9	80020	3.62	3.6	2.0	758	9.0	7.4	295	13.5	3
JAN													
12...	1351	--	9	80020	3.69	5.4	1.7	--	--	7.0	249	4.0	3
12...	1356	--	9	80020	3.69	5.4	2.3	--	--	7.0	249	5.0	3
JAN													
25-25	0913	0915	J	80020	6.88	544	480	--	9.1	7.2	95	10.1	12
JAN													
25-25	0959	1001	J	80020	7.41	713	520	--	9.4	7.1	82	10.0	23
29...	0851	--	9	80020	3.78	7.4	4.0	746	12.8	7.1	268	1.5	4
29...	0921	--	9	80020	3.78	7.4	3.8	746	12.8	7.1	268	1.5	4
FEB													
10...	0901	--	9	80020	3.79	7.7	10	--	10.8	7.3	259	5.4	4
10...	0916	--	9	80020	3.79	7.7	9.5	--	11.1	7.3	259	5.5	3
MAR													
09...	1201	--	9	80020	3.76	6.9	5.0	741	11.5	7.7	309	11.5	4
09...	1216	--	9	80020	3.76	6.9	4.9	740	13.0	7.8	309	11.5	4
31...	0901	--	J	80020	3.76	6.9	18	742	8.4	7.2	216	13.5	7
31...	0916	--	J	80020	3.76	6.9	20	742	8.4	7.2	216	13.5	11
APR													
13...	1316	--	J	80020	4.20	25	140	740	9.1	7.2	133	14.5	11
13...	1331	--	J	80020	4.19	24	140	740	9.1	7.2	132	14.5	14
MAY													
13...	0716	--	J	80020	3.74	5.8	50	750	6.1	7.1	235	20.5	6
13...	0731	--	J	80020	3.73	5.6	50	750	6.1	7.1	235	20.5	6
27...	1101	--	9	80020	3.62	3.9	<5.0	747	8.9	7.8	347	23.5	5
27...	1111	--	9	80020	3.62	3.9	<5.0	747	8.9	7.8	347	23.5	5
JUN													
23...	0926	--	J	80020	3.81	7.4	28	748	7.0	7.3	160	23.5	7
23...	0931	--	J	80020	3.81	7.4	29	748	7.1	7.3	160	23.5	7
JUL													
21...	0956	--	9	80020	3.57	3.2	6.8	748	9.5	7.9	309	23.5	5
21...	1001	--	9	80020	3.57	3.2	3.1	748	10.2	7.9	309	23.5	4
AUG													
17...	0856	--	9	80020	3.52	2.7	19	745	7.8	7.4	224	22.0	7
17...	0901	--	9	80020	3.52	2.7	19	745	7.8	7.4	224	22.0	7
SEP													
07-07	0801	0831	J	80020	6.23	360	240	736	8.0	7.0	82	22.0	27
SEP													
07-07	0806	0826	J	80020	6.23	360	310	736	8.5	7.0	72	22.0	26
14...	1031	--	9	80020	3.72	5.4	<5.0	753	9.1	7.4	314	21.0	3

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT								
24...	E.03n	<.8	2.0	.68	34.9	1.90	<.2	7.0
24...	E.02n	<.8	1.9	.70	34.9	1.56	<.2	5.8
JAN								
12...	.05	<.8	2.2	.92	140	1.58	<.2	18.6
12...	.05	<.8	2.3	.91	135	1.53	<.2	18.3
JAN								
25-25	.04	<.8	4.4	.43	38.9	.76	<.2	14.3
JAN								
25-25	.05	<.8	5.2	.61	29.2	.71	<.2	16.5
29...	.07	<.8	2.2	.64	165	2.11	<.2	24.4
29...	.06	<.8	1.9	.62	164	2.09	<.2	24.5
FEB								
10...	.05	<.8	1.8	.80	160	2.00	<.2	20.9
10...	.06	<.8	1.9	.79	161	2.04	<.2	21.4
MAR								
09...	E.04n	<.8	2.4	.73	115	1.87	<.2	8.1
09...	.04	<.8	2.4	.72	113	1.83	<.2	7.9
31...	.07	<.8	6.4	.81	162	9.12	<.2	23.3
31...	.07	<.8	6.2	1.06	163	3.05	<.2	22.9
APR								
13...	.04	<.8	5.1	.78	57.6	1.18	<.2	15.9
13...	E.04n	<.8	5.0	.91	55.4	1.08	<.2	13.9
MAY								
13...	.14	<.8	4.1	.81	91.9	2.03	<.2	14.2
13...	.06	<.8	3.8	.81	97.4	2.07	<.2	13.7
27...	E.02n	<.8	2.3	.48	30.7	1.08	<.2	3.0
27...	E.02n	<.8	2.3	.50	26.7	1.24	<.2	3.1
JUN								
23...	E.03n	<.8	4.9	1.08	40.8	1.16	<.2	7.2
23...	E.04n	<.8	5.1	1.07	40.4	1.08	<.2	7.0
JUL								
21...	E.03n	<.8	2.1	.69	40.2	1.57	<.2	2.7
21...	E.03n	<.8	2.3	.67	29.0	1.56	<.2	2.4
AUG								
17...	E.02n	E.5n	2.8	.23	36.7	1.84	<.2	4.8
17...	E.03n	E.4n	2.8	.23	37.9	1.88	<.2	4.7
SEP								
07-07	E.03n	E.4n	5.4	.64	14.0	.82	<.2	5.7
SEP								
07-07	E.03n	E.5n	5.4	.66	15.8	.86	<.2	6.2
14...	<.04	<.8	1.2	<.08	107	.43	<.2	2.3

Date	Time	End time	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)
OCT													
24...	0821	--	80020	3.62	2.0	758	9.0	87	7.4	295	13.5	<.5	<.5
JAN													
12...	1356	--	80020	3.69	2.3	--	--	--	7.0	249	5.0	E.1	<.5
29...	0851	--	80020	3.78	4.0	746	12.8	93	7.1	268	1.5	<.5	M
FEB													
10...	0901	--	80020	3.79	10	--	10.8	--	7.3	259	5.4	<.5	<.5
MAR													
09...	1201	--	80020	3.76	5.0	741	11.5	109	7.7	309	11.5	<.5	<.5
31...	0901	--	80020	3.76	18	742	8.4	83	7.2	216	13.5	<.5mc	<.5
APR													
13...	1331	--	80020	4.19	140	740	9.1	92	7.2	132	14.5	E.1	M
MAY													
13...	0716	--	80020	3.74	50	750	6.1	69	7.1	235	20.5	E.1	<.5
27...	1101	--	80020	3.62	<5.0	747	8.9	107	7.8	347	23.5	<.5	<.5
JUN													
23...	0931	--	80020	3.81	29	748	7.1	85	7.3	160	23.5	E.1	<.5
JUL													
21...	1001	--	80020	3.57	3.1	748	10.2	123	7.9	309	23.5	<.5	<.5
AUG													
17...	0901	--	80020	3.52	19	745	7.8	91	7.4	224	22.0	<.5	<.5
SEP													
07-07	0801	0831	80020	6.23	240	736	8.0	95	7.0	82	22.0	Mt	<.5
14...	1031	--	80020	3.72	<5.0	753	9.1	103	7.4	314	21.0	<.5	<.5

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
24...	<.5	<.5	M	<1	<5	<1	<1	E1	<1	<2	<.5	<.5	E.1
JAN													
12...	<.5	<.5	M	M	<5	<1	<1	<5	M	<2	E.1	<.5	M
29...	M	M	<2	M	<5	<1	<1	E1	M	<2	E.1	<.5	M
FEB													
10...	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
MAR													
09...	<.5	<.5	<2	<1	<5	<1	<1	<5	M	<2	<.5	<.5	<.5
31...	<.5	<.5	E4	M	<5mc	<1	<1	E2mc	<1	<2	E.6	<.5	E.1
APR													
13...	M	M	M	M	<5	<1	<1	E1	<1	<2	E.1	E.1	E.1
MAY													
13...	<.5	<.5	E2	<1	<5	<1	<1	E2	M	<2	E.2	E.3	E.3
27...	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
JUN													
23...	<.5	<.5	E2	M	<5	<1	<1	E2	M	<2	E.4	<.5	E.1
JUL													
21...	<.5	<.5	<2	Mt	<5	<1	<1	Mt	<1	<2	<.5	<.5	E.1t
AUG													
17...	<.5	<.5	Mt	Mt	<5	<1	<1	Mt	<1	<2	E.1t	<.5	Mt
SEP													
07-07	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	E.1t	<.5	<.5
14...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5

Date	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)
OCT													
24...	<.5	<.5	<.5	<2	<2	<1	.9	E.1	<.5	<1	<.5	<.5	M
JAN													
12...	M	<.5	<.5	<2	<2	M	.5	E.2	<.5	<1	<.5	<.5	<2
29...	M	<.5	<.5	<2	<2	<1	.6	E.3	M	<1	<.5	E.1	<2
FEB													
10...	<.5	<.5	E.1	M	M	<1	.7	E.1	<.5	<1	<.5	<.5	M
MAR													
09...	M	<.5	<.5	<2	<2	<1	.5	E.2	M	<1	<.5	<.5	<2
31...	E.1	<.5	E.1	E4	E4	<1	8.7	E.7	M	<1mc	<.5	<.5	E4
APR													
13...	E.1	<.5	E.1	E1	<2	<1	21.0	E.4	E.1	M	M	<.5	E2
MAY													
13...	E.1	<.5	E.2	3	3	1	3.4	1.1	E.1	<1	<.5	<.5	4
27...	<.5	<.5	<.5	<2	<2	<1	.9	<.5	<.5	<1	<.5	<.5	E1
JUN													
23...	E.1	<.5	E.1	<2	E2	M	1.4	.7	M	<1	E.1	<.5	E3
JUL													
21...	E.1t	<.5	<.5	<2	<2	Mt	1.0	E.2t	Mt	Mt	<.5	<.5	E1t
AUG													
17...	E.1t	<.5	Mt	Mt	<2	Mt	2.6	E.1t	Mt	<1	<.5	<.5	Mt
SEP													
07-07	<.5	<.5	<.5	<2	<2	Mt	1.2	E.1t	<.5	<1	<.5	<.5	<2
14...	<.5	<.5	<.5	Mt	E1t	<1	.9	E.1t	<.5	<1	<.5	<.5	E1t

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
24...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
JAN													
12...	E.1400	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	<.5	<.5
29...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	E.1	<.5	M	<.5	<.5
FEB													
10...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
MAR													
09...	E.1700	M	<.5	<5	<1	<.5	<1	M	<.5	<.5	M	<.5	<.5
31...	E.1400	E.2	<.5	E18mc	Mmc	<.5mc	E2mc	<.5	M	<.5	<.5	M	<.5mc
APR													
13...	E.1200	E.1	<.5	E3	M	<.5	<1	E.1	E.1	M	<.5	M	<.5
MAY													
13...	E.4600	E.3	<.5	E12	M	<.5	E1	E.1	E.1	<.5	E.1	E.1	<.5
27...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
JUN													
23...	E.2800	.7	<.5	E9	M	E.1	E1	E.1	<.5	M	<.5	E.1	<.5
JUL													
21...	<1.00	E.3t	<.5	<5	<1	<.5	<1	<.5	E.1t	E.1t	<.5	<.5	<.5
AUG													
17...	E.2000t	E.4t	<.5	<5	Mt	<.5	<1	Mt	<.5	Mt	<.5	Mt	<.5
SEP													
07-07	<1.00	E.3t	<.5	<5	<1	<.5	<1	E.1t	<.5	<.5	<.5	<.5	<.5
14...	<1.00	E.2t	<.5	E2t	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5

Date	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
24...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5
JAN													
12...	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	M	<.5	<.5	M	<.5
29...	<.5	E.1	<.5	<.5	<.5	M	M	<2	M	.6	<.5	M	E.1
FEB													
10...	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	E.3	<.5	<.5	E.1
MAR													
09...	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	.5	<.5	M	M
31...	<.5	E.3	<.5	<.5	<.5	<.5	M	E4mc	<.5	<.5	<.5	<.5	Mmc
APR													
13...	<.5	E.2	<.5	M	<.5	M	M	E1	M	1.7	<.5	E.1	M
MAY													
13...	<.5	E.4	<.5	E.1	<.5	<.5	M	M	M	E.4	<.5	E.1	E.1
27...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5
JUN													
23...	<.5	E.1	<.5	<.5	<.5	M	M	<2	E.1	.6	<.5	E.1	<.5
JUL													
21...	<.5	<.5	<.5	E.1t	<.5	<.5	<1	<2	Mt	.8	<.5	<.5	<.5
AUG													
17...	<.5	Mt	<.5	Mt	<.5	<.5	Mt	Mt	<.5	1.3	<.5	Mt	<.5
SEP													
07-07	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	<.5	1.1	<.5	Mt	<.5
14...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	.7	<.5	<.5	<.5

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT									
24...	<.5	E.1	<1	<.5	<.5	E70.0	<.5	<.5	<1.00
JAN									
12...	<.5	E.1	M	<.5	E.1	E.2	E.1	E.1	<1.00
29...	<.5	E.1	<1	<.5	E.1	E.4	E.1	E.1	<1.00
FEB									
10...	<.5	E.2	<1	<.5	E.1	E.4	E.1	E.1	<1.00
MAR									
09...	<.5	E.1	M	<.5	M	E.4	E.1	E.1	<1.00
31...	<.5mc	E.2	M	<.5	E.1	4.2	E.2	E.2	<1.00mc
APR									
13...	<.5	E.1	<1	<.5	E.1	4.3	E.1	E.1	<1.00
MAY									
13...	<.5	<.5	M	<.5	E.2	1.6	E.2	E.2	<1.00
27...	<.5	<.5	M	<.5	<.5	<.5	<.5	E.1	<1.00
JUN									
23...	<.5	E.4	M	<.5	E.1	5.3	E.2	E.1	<1.00
JUL									
21...	<.5	E.2t	Mt	<.5	<.5	E.3t	E.1t	<.5	--u
AUG									
17...	<.5	E.1t	<1	<.5	E.1n	.8	E.1t	E.1t	--u
SEP									
07-07	<.5	<.5	<1	<.5	E.1n	.6	<.5	<.5	--u
14...	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
24...	0802	--	1	9	81350	3.62	3.6	1.9	758	8.7	84	7.5	293
JAN													
12...	1350	--	1	9	81350	3.69	5.4	1.7	--	--	--	7.0	249
JAN													
25-25	0914	0916	1	J	81350	6.88	544	480	--	9.1	--	7.2	95
JAN													
25-25	0959	1001	1	J	81350	7.41	713	520	--	9.4	--	7.1	82
29...	0922	--	1	9	81350	3.78	7.4	3.8	746	12.8	93	7.1	268
FEB													
06-06	0745	0747	1	J	81350	3.99	15	18	--	10.5	--	7.6	274
FEB													
06-06	0827	0829	1	J	81350	4.29	32	490	--	10.6	--	7.6	226
FEB													
06-06	0912	0914	1	J	81350	4.88	89	240	--	10.8	--	7.6	173
FEB													
06-06	0958	1000	1	J	81350	6.22	357	590	--	10.4	--	7.6	178
FEB													
06-06	1042	1044	1	J	81350	6.73	499	680	--	10.6	--	7.5	108
FEB													
06-06	1127	1129	1	J	81350	8.24	989	700	--	10.6	--	7.4	79
FEB													
06-06	1212	1214	1	J	81350	7.47	734	650	--	10.8	--	7.3	70
10...	0917	--	1	9	81350	3.79	7.7	9.5	--	11.1	--	7.3	259
MAR													
09...	1217	--	1	9	81350	3.76	6.9	4.9	740	13.0	123	7.8	309
31...	0917	--	1	J	81350	3.76	6.9	20	742	8.4	83	7.2	216
APR													
11-11	0944	0946	1	J	81350	4.95	98	300	--	7.8	--	7.5	266
APR													
12-12	2209	2211	1	J	81350	5.04	114	570	--	6.2	--	7.2	164
APR													
12-12	2238	2240	1	J	81350	8.62	1100	630	--	7.4	--	7.0	128
APR													
12-12	2309	2311	1	J	81350	9.30	1310	760	--	8.8	--	7.1	80
APR													
12-12	2338	2340	1	J	81350	7.55	764	790	--	8.9	--	7.1	75
APR													
13-13	0138	0140	1	J	81350	5.04	110	530	--	8.5	--	7.1	90
APR													
13-13	0425	0427	1	J	81350	4.98	102	520	--	8.4	--	7.2	99
APR													
13-13	0552	0554	1	J	81350	6.22	358	680	--	8.4	--	7.1	105
13...	1317	--	1	J	81350	4.20	25	140	740	9.1	92	7.2	133
13...	1332	--	1	J	81350	4.19	24	140	740	9.1	92	7.2	132
MAY													
13...	0732	--	1	J	81350	3.73	5.6	50	750	6.1	69	7.1	235
27...	1112	--	1	9	81350	3.62	3.9	<5.0	747	8.9	107	7.8	347
JUN													
23...	0927	--	1	J	81350	3.81	7.4	28	748	7.0	84	7.3	160
JUL													
21...	0957	--	1	9	81350	3.57	3.2	6.8	748	9.5	114	7.9	309
AUG													
05-05	1749	1821	1	J	81350	4.42	41	300	--	7.2	--	7.2	188
AUG													
05-05	1849	1851	1	J	81350	4.30	32	460	--	6.7	--	7.2	197
AUG													
05-05	1919	1921	1	J	81350	4.15	22	500	--	6.6	--	7.1	168
AUG													
05-05	1949	2021	1	J	81350	3.96	12	420	--	6.1	--	7.0	168
AUG													
05-05	2049	2151	1	J	81350	3.86	8.9	360	--	6.0	--	6.9	146
17...	0857	--	1	9	81350	3.52	2.7	19	745	7.8	91	7.4	224
AUG													
29-29	0228	0230	1	J	81350	5.30	151	1300	--	7.6	--	7.3	107
AUG													
29-29	0313	0315	1	J	81350	4.99	103	2330	--	7.3	--	7.4	140
SEP													
07-07	0802	0832	1	J	81350	6.23	360	240	736	8.0	95	7.0	82
SEP													
07-07	0807	0827	1	J	81350	6.23	360	310	736	8.5	101	7.0	72
14...	1032	--	1	9	81350	3.72	5.4	<5.0	753	9.1	103	7.4	314

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
24...	13.5	3.8	3.1	8.1	490	1	4.2	65	33	61	4.4	120	21
JAN													
12...	4.0	9.0	5.3	20	650	3	2.7	260	23	210	9.0	240	39
JAN													
25-25	10.1	9.9	2.5	4.0	680	3	.5	53	16	72	3.8	110	44
JAN													
25-25	10.0	7.0	2.1	3.7	590	2	.8	45	11	77	2.8	150	29
29...	1.5	5.0	3.4	20	600	2	1.8	110	10	130	7.0	120	26
FEB													
06-06	6.1	.910	1.1	.6	340	M	.6	31	4	24	.770	23	15
FEB													
06-06	6.2	9.7	1.6	3.3	420	2	.4	91	19	68	4.4	61	48
FEB													
06-06	6.3	8.2	2.2	4.0	520	2	.7	61	15	68	3.6	98	46
FEB													
06-06	6.5	12	1.7	4.6	540	3	.6	49	15	80	4.8	110	48
FEB													
06-06	6.9	12	1.7	5.0	570	3	.6	70	18	94	4.9	110	48
FEB													
06-06	6.9	9.8	1.7	3.8	690	3	.6	49	15	71	3.9	130	44
FEB													
06-06	7.0	11	3.6	5.7	550	3	.7	54	15	90	4.4	160	46
10...	5.5	10	2.2	14	480	3	1.5	72	15	130	7.9	140	42
MAR													
09...	11.5	3.4	2.5	10	430	2	3.1	55	33	150	5.3	96	23
31...	13.5	8.7	4.0	17	540	3	2.5	65	40	120	6.5	160	43
APR													
11-11	15.4	8.5	3.7	6.5	540	2	1.4	38	21	74	4.7	100	42
APR													
12-12	16.1	9.0	1.0	4.9	620	3	.6	55	19	75	4.5	110	44
APR													
12-12	15.8	4.0	1.2	1.6	520	1	.2	25	6	29	1.6	100	16
APR													
12-12	15.2	4.3	2.3	2.3	420	1	.2	33	8	46	1.9	130	17
APR													
12-12	15.0	8.3	1.6	5.2	510	2	.6	44	13	71	3.7	140	36
APR													
13-13	15.0	11	3.3	9.0	430	3	.7	60	18	110	5.1	170	48
APR													
13-13	15.0	11	1.8	6.0	460	3	.3	77	19	86	5.2	110	48
APR													
13-13	15.1	12	1.0	4.8	550	3	.4	43	16	75	4.8	97	46
13...	14.5	13	2.6	11	410	3	.3	88	18	89	6.6	180	55
13...	14.5	6.0	4.7	8.7	390	2	.8	130	9	63	3.3	220	31
MAY													
13...	20.5	1.6	2.0	2.7	310	M	<.2	17	4	31	.960	16	22
27...	23.5	3.4	3.0	7.2	250	1	.9	100	10	52	3.3	91	29
JUN													
23...	23.5	11	3.5	12	400	3	.9	86	13	110	5.6	210	47
JUL													
21...	23.5	4.4	2.1	8.4	450	1	1.0	120	8	64	4.3	93	24
AUG													
05-05	26.2	8.9	2.7	6.0	520	3	.5	54	16	73	3.9	100	40
AUG													
05-05	26.3	12	1.6	5.9	560	3	.4	45	17	68	4.6	92	49
AUG													
05-05	26.0	11	4.1	9.7	510	3	.7	56	19	140	4.8	170	45
AUG													
05-05	26.1	9.3	4.9	8.5	430	2	1.0	52	15	130	4.5	170	40
AUG													
05-05	25.9	9.2	4.8	8.7	400	2	.7	55	14	140	4.4	140	37
17...	22.0	11	2.8	21	410	3	.8	84	14	98	5.6	110	48
AUG													
29-29	23.7	11	1.8	7.7	510	3	.6	61	20	85	5.1	95	48
AUG													
29-29	23.6	14	.9	4.4	490	4	.1	48	17	66	5.1	65	51
SEP													
07-07	22.0	9.8	3.5	8.1	470	2	.4	44	14	77	4.1	120	39
SEP													
07-07	22.0	10	3.3	7.7	490	3	.5	46	14	77	4.2	120	39
14...	21.0	3.3	2.0	9.0	300	1	.6	190	6	56	3.3	53	28

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
24...	8600	.09	8	48	1	<.5	320	<50	.140	48	610	<50	.5
JAN													
12...	2500	--o	17	140	2	<2	110	<150	.400	110	880	<150	1
JAN													
25-25	1000	.11	3	25	M	<1	83	<100	.370	92	280	<100	1110
JAN													
25-25	730	.03	2	17	M	<1	90	<100	.260	66	310	<100	1940
29...	1100	--o	6	48	2	<1	340	<100	.200	67	670	<100	2
FEB													
06-06	880	--o	5	18	M	<2	610	<150	.035	7	150	<150	109
FEB													
06-06	720	.05	4	48	M	<1	230	<100	.370	94	210	<100	348
FEB													
06-06	830	.19	4	31	1	<1	280	<100	.300	75	250	<100	256
FEB													
06-06	810	.13	5	24	M	<.5	130	<50	.360	91	270	<50	685
FEB													
06-06	730	.16	3	37	M	<.5	110	<50	.430	100	280	<50	785
FEB													
06-06	690	.19	3	25	M	<1	95	<100	.340	90	240	<100	1000
FEB													
06-06	750	.17	3	26	M	<.5	86	<50	.350	100	280	<50	735
10...	940	.09	4	30	2	<1	170	<100	.340	120	600	<100	5
MAR													
09...	9800	--o	4	31	1	1	170	<100	.160	61	790	<100	3
31...	11000	.10	9	35	3	<1	170	<100	.340	110	790	<100	7
APR													
11-11	4000	.05	6	23	1	<1	290	<100	.290	78	440	<100	470
APR													
12-12	1500	.12	2	33	M	<1	130	<100	.410	91	330	<100	825
APR													
12-12	320	.05	1	11	M	<.5	91	<50	.160	37	120	<50	13500
APR													
12-12	320	.07	1	13	M	<.5	78	<50	.180	45	140	<50	3650
APR													
12-12	610	.04	2	25	M	<.5	88	<50	.330	88	280	<50	1200
APR													
13-13	890	--o	5	33	1	<.5	120	<50	.420	120	390	<50	384
APR													
13-13	810	.14	4	44	1	<1	120	<100	.460	120	280	<100	509
APR													
13-13	770	.11	4	25	M	<1	95	<100	.410	110	250	<100	1120
13...	1100	.13	5	43	1	<1	78	<100	.460	140	420	<100	50
13...	630	--o	7	22	2	<2	290	<150	.220	69	260	<150	130
MAY													
13...	640	.03	20	13	2	<1	610	<100	.054	21	110	<100	103
27...	1800	.28	17	61	2	<1	360	<100	.120	53	230	<100	3
JUN													
23...	940	.25	8	47	2	<.5	90	<50	.410	140	450	<50	12
JUL													
21...	1100	.06	25	80	1	<1	420	<100	.150	53	250	<100	2
AUG													
05-05	1300	.10	3	36	1	<1	230	<100	.360	87	280	<100	296
AUG													
05-05	920	.09	3	22	M	<.5	95	<50	.410	110	250	<50	1300
AUG													
05-05	1200	.18	3	30	1	<1	140	<100	.410	120	400	<100	477
AUG													
05-05	990	.21	6	28	2	<1	170	<100	.370	110	430	<100	340
AUG													
05-05	830	.15	6	31	2	2	180	<100	.360	110	420	<100	192
17...	670	.12	8	51	2	M	180	<50	.390	120	390	<50	6
AUG													
29-29	1100	.10	5	35	1	<.5	120	<50	.470	130	270	<50	887
AUG													
29-29	670	.06	3	21	M	<.5	77	<50	.470	130	150	<50	1990
SEP													
07-07	600	.07	6	20	M	<1	150	<100	.360	110	230	<100	320
SEP													
07-07	600	.04	5	21	1	<1	160	<100	.360	110	230	<100	303
14...	540	<.02	29	100	2	<1	430	<100	.120	43	220	<100	2

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this table:
   c -- See laboratory comment
   k -- Counts outside acceptable range
   m -- Value is highly variable by this method
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

2004 Water Year

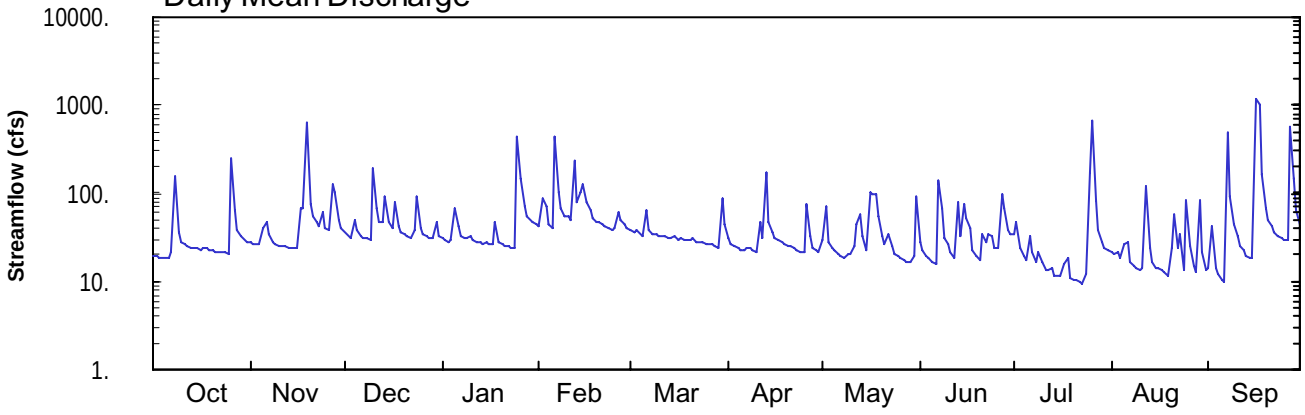
APALACHICOLA RIVER BASIN

02336635 NICKAJACK CREEK AT US 78/278, NEAR MABLETON, GA

Latitude: 33°48'12" Longitude: 084°31'17" Hydrologic Unit Code: 03130002

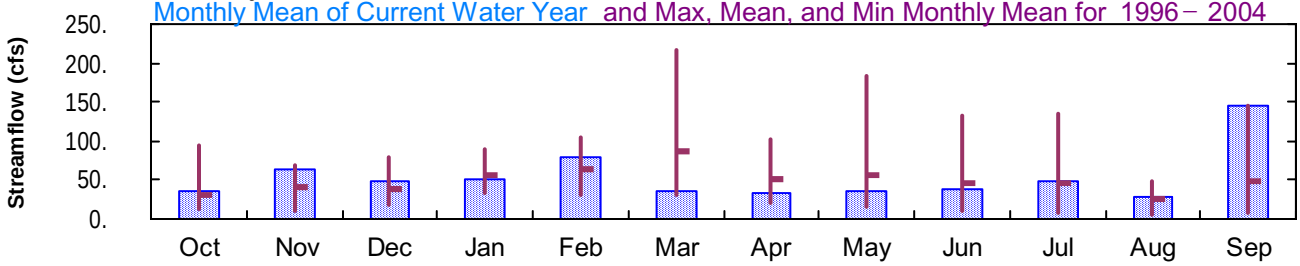
Cobb County Datum: 745.00 feet Drainage Area: 31.5 mi²

Daily Mean Discharge

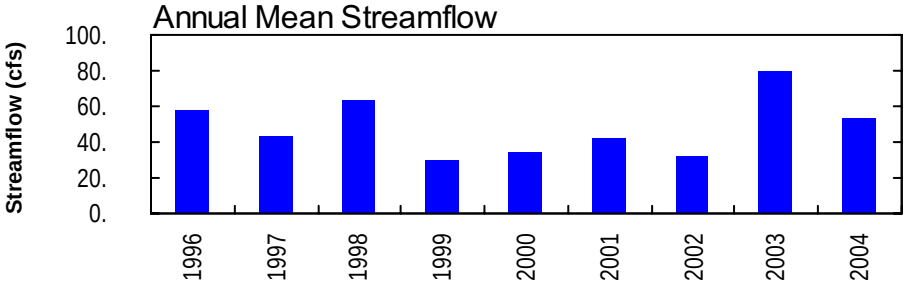


Monthly Statistics

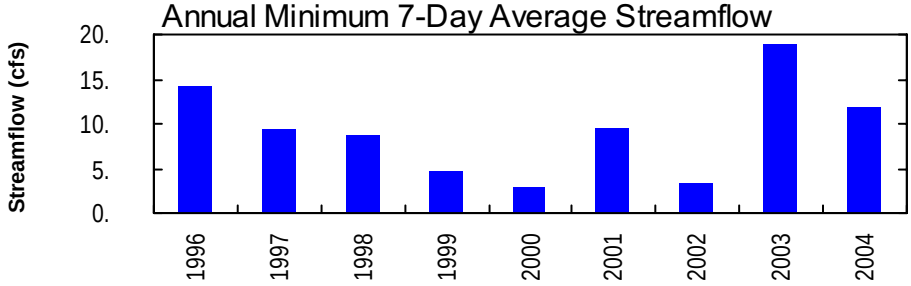
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1996 – 2004



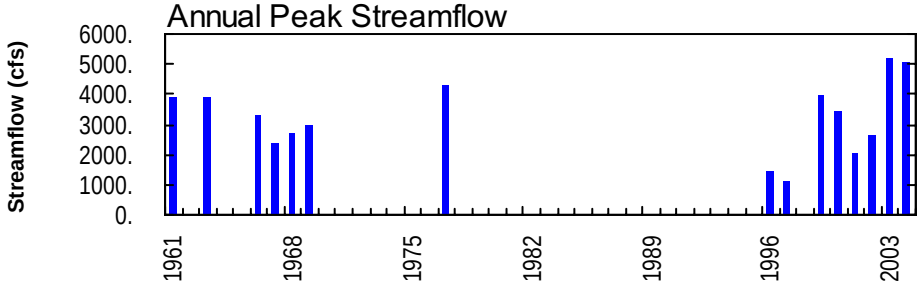
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02336635 NICKAJACK CREEK AT US 78 AND 278, NEAR MABLETON, GA

LOCATION.—Lat 33°48'12", long 84°31'17", referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130002, on the left downstream side of bridge on US 78 and 278, 1.5 miles east of Mableton, and 1.2 miles above mouth.

DRAINAGE AREA.—31.5 square miles.

COOPERATION.—Cobb County Water System.

WATER–DISCHARGE RECORDS

PERIOD OF RECORD.—October 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is about 745.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to November 11, 1996, gage was located at a site 150.00 feet downstream on right bank at same datum.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

WATER–STAGE RECORDS

PERIOD OF RECORD.—October 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is about 745.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to November 11, 1996, gage was located at a site 150.00 feet downstream on right bank at same datum.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.52 feet, September 17; minimum gage-height recorded, 2.52 feet, July 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 19, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336635 NICKAJACK CREEK AT US 78/278, NEAR MABLETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 334812 LONGITUDE 0843117 NAD83 DRAINAGE AREA 31.50 CONTRIBUTING DRAINAGE AREA 31.5* DATUM 745.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	28	36	30	42	e39	31	29	29	34	21	14
2	19	27	33	29	86	e37	27	72	22	48	21	42
3	19	26	32	28	70	37	25	28	20	24	22	14
4	19	26	49	29	44	35	24	24	19	19	18	12
5	19	40	39	69	39	33	23	23	17	17	27	11
6	19	46	32	43	438	64	23	21	16	33	27	10
7	22	35	31	32	104	39	24	20	140	22	16	477
8	158	28	30	30	68	35	24	19	67	17	15	94
9	36	26	29	e31	56	34	23	20	31	21	14	45
10	28	25	189	e32	54	32	22	20	26	16	14	32
11	26	25	66	e30	48	32	46	25	22	14	14	26
12	25	25	46	28	238	33	32	44	19	14	123	22
13	24	24	47	e28	79	31	176	57	78	15	23	20
14	24	23	93	e27	104	31	47	33	33	11	16	19
15	24	24	46	27	126	e32	36	23	76	12	14	18
16	22	24	41	26	79	e30	31	100	52	11	14	1180
17	24	67	78	26	e65	e31	29	96	40	16	13	e1000
18	25	68	43	47	e52	e30	28	95	23	18	13	e160
19	22	644	37	28	48	e30	27	56	19	11	12	66
20	22	76	34	26	47	e29	25	33	18	10	24	50
21	22	56	33	25	45	e31	25	26	35	11	59	42
22	22	48	32	25	42	e28	24	34	28	9.9	24	37
23	22	43	39	24	40	e28	22	25	34	9.5	34	33
24	21	60	93	24	39	27	22	21	33	12	13	32
25	20	41	39	433	41	27	21	19	23	168	84	30
26	245	38	35	151	62	26	75	18	24	677	26	30
27	66	125	33	72	e50	26	32	17	95	82	15	565
28	39	104	31	56	e45	25	24	17	66	38	13	e150
29	33	49	31	50	e40	24	23	17	38	28	84	66
30	30	41	46	47	---	e90	22	20	35	24	22	45
31	28	---	33	44	---	e45	---	93	---	23	14	---
TOTAL	1145	1912	1476	1597	2291	1071	1013	1145	1178	1465.4	849	4342
MEAN	36.9	63.7	47.6	51.5	79.0	34.5	33.8	36.9	39.3	47.3	27.4	145
MAX	245	644	189	433	438	90	176	100	140	677	123	1180
MIN	19	23	29	24	39	24	21	17	16	9.5	12	10
CFSM	1.17	2.02	1.51	1.64	2.51	1.10	1.07	1.17	1.25	1.50	0.87	4.59
IN.	1.35	2.26	1.74	1.89	2.71	1.26	1.20	1.35	1.39	1.73	1.00	5.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	31.2	39.6	37.2	55.7	62.9	87.5	51.1	54.9	45.9	46.0	25.0	47.9
MAX	95.5	69.4	80.0	89.1	105	216	103	184	132	135	49.7	145
(WY)	1996	2003	2003	1996	1998	1998	1998	2003	2003	2003	2003	2004
MIN	12.0	11.3	18.2	32.4	31.4	31.6	21.6	16.5	10.7	7.30	6.10	8.39
(WY)	2002	2002	2000	2000	2002	1999	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	27879		19484.4			
ANNUAL MEAN	76.4		53.2		48.7	
HIGHEST ANNUAL MEAN					80.2	2003
LOWEST ANNUAL MEAN					30.2	1999
HIGHEST DAILY MEAN	1380	May 16	1180	Sep 16	3320	Mar 8 1998
LOWEST DAILY MEAN	17	Sep 21	9.5	Jul 23	2.3	Aug 19 2000
ANNUAL SEVEN-DAY MINIMUM	19	Sep 30	12	Jul 18	2.9	Aug 13 2000
MAXIMUM PEAK FLOW			4420	Sep 16	5220	May 16 2003
MAXIMUM PEAK STAGE			a 13.52	Sep 17	13.65	May 16 2003
ANNUAL RUNOFF (CFSM)	2.42		1.69		1.54	
ANNUAL RUNOFF (INCHES)	32.92		23.01		20.99	
10 PERCENT EXCEEDS	127		83		77	
50 PERCENT EXCEEDS	41		30		26	
90 PERCENT EXCEEDS	24		17		11	

e Estimated
a Backwater from Chattahoochee River

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336635 NICKAJACK CREEK AT US 78/278, NEAR MABLETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 334812 LONGITUDE 0843117 NAD83 DRAINAGE AREA 31.50 CONTRIBUTING DRAINAGE AREA 31.5* DATUM 745.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.77	2.92	3.04	2.96	3.10	---	2.96	2.94	2.94	3.00	2.82	2.66
2	2.75	2.91	3.00	2.95	3.47	---	2.91	3.40	2.83	3.17	2.81	3.06
3	2.74	2.90	2.98	2.93	3.40	3.05	2.88	2.93	2.80	2.86	2.82	2.67
4	2.74	2.90	3.18	2.95	3.13	3.02	2.87	2.86	2.77	2.78	2.76	2.61
5	2.74	3.06	3.07	3.32	3.08	3.00	2.85	2.84	2.73	2.74	2.87	2.58
6	2.74	3.15	2.99	3.11	5.10	3.32	2.84	2.81	2.71	2.93	2.89	2.56
7	2.80	3.02	2.97	2.99	3.70	3.07	2.86	2.79	3.58	2.82	2.72	5.46
8	4.02	2.93	2.96	2.96	3.38	3.02	2.88	2.77	3.34	2.73	2.69	3.61
9	3.04	2.91	2.94	---	3.26	3.00	2.85	2.79	2.98	2.79	2.67	3.14
10	2.93	2.89	4.21	---	3.25	2.99	2.83	2.80	2.91	2.72	2.66	2.98
11	2.90	2.89	3.37	---	3.18	2.99	3.12	2.87	2.83	2.66	2.67	2.89
12	2.88	2.89	3.15	2.93	4.53	3.00	2.97	3.02	2.77	2.66	3.70	2.84
13	2.86	2.87	3.16	---	3.49	2.98	4.15	3.24	3.43	2.68	2.85	2.79
14	2.86	2.85	3.60	---	3.70	2.98	3.16	2.99	2.99	2.60	2.72	2.77
15	2.87	2.87	3.16	2.92	3.85	---	3.03	2.85	3.32	2.60	2.68	2.76
16	2.84	2.86	3.10	2.90	3.48	---	2.98	3.43	3.22	2.60	2.67	6.06
17	2.86	3.34	3.47	2.90	---	---	2.94	3.58	3.08	2.68	2.65	11.64
18	2.87	3.24	3.11	3.16	---	---	2.93	3.56	2.85	2.74	2.64	4.17
19	2.84	5.97	3.05	2.93	3.18	---	2.91	3.25	2.79	2.59	2.61	3.37
20	2.83	3.46	3.01	2.90	3.16	---	2.89	2.99	2.75	2.57	2.73	3.20
21	2.83	3.26	2.99	2.89	3.15	---	2.88	2.90	2.96	2.57	3.23	3.11
22	2.82	3.18	2.98	2.89	3.10	---	2.86	2.99	2.92	2.55	2.86	3.05
23	2.83	3.12	3.05	2.87	3.08	---	2.84	2.89	2.97	2.54	2.99	3.00
24	2.81	3.30	3.56	2.87	3.07	2.92	2.82	2.81	2.98	2.59	2.64	2.98
25	2.80	3.10	3.08	5.44	3.10	2.91	2.81	2.79	2.85	3.41	3.32	2.96
26	4.49	3.06	3.02	4.04	3.32	2.90	3.39	2.76	2.86	5.65	2.87	2.95
27	3.35	3.70	2.99	3.43	---	2.90	2.99	2.74	3.44	3.48	2.68	4.94
28	3.07	3.68	2.97	3.27	---	2.88	2.87	2.73	3.33	3.06	2.63	6.34
29	3.00	3.19	2.97	3.20	---	2.87	2.84	2.73	3.05	2.93	3.44	3.36
30	2.95	3.09	3.15	3.17	---	---	2.83	2.78	3.00	2.87	2.81	3.15
31	2.93	---	2.99	3.13	---	---	---	3.48	---	2.84	2.66	---
MEAN	2.96	3.18	3.14	---	---	---	2.96	2.98	3.00	2.88	2.83	3.66
MAX	4.49	5.97	4.21	---	---	---	4.15	3.58	3.58	5.65	3.70	11.64
MIN	2.74	2.85	2.94	---	---	---	2.81	2.73	2.71	2.54	2.61	2.56

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336635 NICKAJACK CREEK AT US 78/278, NEAR MABLETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 334812 LONGITUDE 0843117 NAD83 DRAINAGE AREA 31.50 CONTRIBUTING DRAINAGE AREA 31.5* DATUM 745.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	---	---	---	0.00	0.02	0.00	0.04
2	0.00	0.00	0.00	0.00	0.72	---	---	---	0.00	0.25	0.00	0.06
3	0.00	0.00	0.06	0.00	0.08	0.11	---	---	0.00	0.01	0.00	0.00
4	0.00	0.00	0.30	0.00	0.01	0.00	---	---	0.00	0.00	0.00	0.00
5	0.00	0.70	0.00	0.47	0.00	0.00	---	---	0.00	0.00	0.36	0.00
6	0.08	0.15	0.01	0.00	1.00	0.34	---	0.00	0.00	0.04	0.00	0.14
7	0.08	0.00	0.00	0.01	0.00	0.00	---	0.00	0.71	0.06	0.00	2.50
8	1.25	0.00	0.00	0.02	0.00	0.00	---	0.00	0.03	0.01	0.00	0.04
9	0.00	0.00	0.00	---	0.00	0.01	---	0.07	0.02	0.00	0.00	0.00
10	0.00	0.00	1.04	0.00	0.07	0.00	---	0.00	0.00	0.03	0.02	0.00
11	0.00	0.00	0.00	---	0.19	0.00	---	0.00	0.00	0.01	0.00	0.00
12	0.00	0.00	0.00	0.00	0.84	0.00	---	0.71	0.00	0.28	2.19	0.00
13	0.00	0.00	0.37	---	0.01	0.00	---	0.01	0.26	0.00	0.00	0.00
14	0.03	0.00	0.19	10.95	0.45	0.00	---	0.00	0.03	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.37	---	---	0.00	0.74	0.00	0.00	0.00
16	0.00	0.01	0.30	0.00	0.00	---	---	---	0.45	0.00	0.00	4.41
17	0.11	0.43	0.14	0.24	---	---	---	---	0.07	0.06	0.00	0.13
18	0.01	1.03	0.00	0.09	---	---	---	0.35	0.00	0.00	0.00	0.00
19	0.00	1.28	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.24	0.00
21	0.00	0.00	0.00	0.00	0.02	---	---	0.00	0.35	0.00	0.14	0.00
22	0.00	0.00	0.00	0.00	0.00	---	---	0.18	0.33	0.00	0.07	0.00
23	0.00	0.00	0.57	0.00	0.00	---	---	0.00	0.33	0.00	0.00	0.00
24	0.00	0.25	0.01	0.01	0.03	0.00	---	0.00	0.03	0.06	0.01	0.00
25	0.00	0.00	0.00	2.45	0.15	0.00	---	0.00	0.16	2.77	0.29	0.00
26	1.90	0.00	0.00	0.02	---	0.00	---	0.00	0.03	0.08	0.00	0.00
27	0.01	0.86	0.00	0.00	---	0.00	---	0.00	1.04	0.08	0.00	3.43
28	0.00	0.11	0.00	0.00	---	0.00	---	0.04	0.27	0.01	0.00	0.00
29	0.00	0.00	0.06	0.00	---	0.00	---	0.01	0.00	0.00	0.10	0.00
30	0.00	0.00	0.25	0.00	---	---	---	0.00	0.30	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	---	---	0.61	---	0.00	0.00	---
TOTAL	3.47	4.82	3.30	---	---	---	---	---	5.15	3.77	3.42	10.75

2004 Water Year

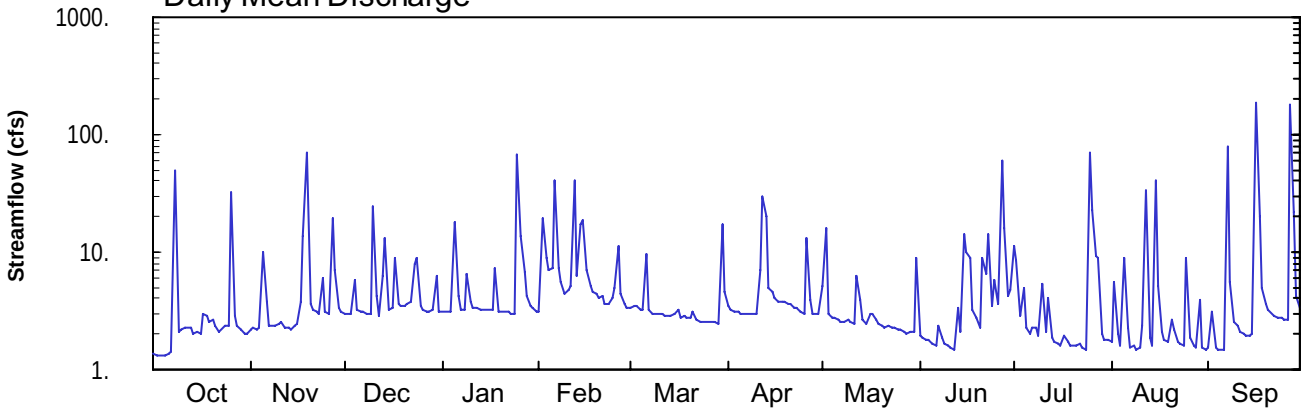
APALACHICOLA RIVER BASIN

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA

Latitude: 33°46'46" Longitude: 084°29'58" Hydrologic Unit Code: 03130002

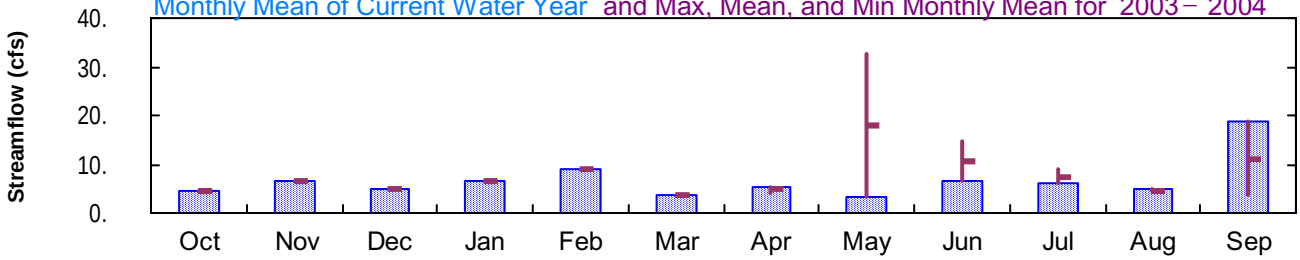
Fulton County Datum: feet Drainage Area: mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 and 2004 Water Years

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°46'46", long 84°29'58", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on the right bank of bridge on Bolton Road, 1.8 miles upstream of the Chattahoochee River, 0.2 miles west of Interstate 285, 0.5 miles south of US 78.

DRAINAGE AREA.—5.15 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 784.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 784.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.96 feet, September 16; minimum gage-height recorded, 1.65 feet, June 20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 1, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334646 LONGITUDE 0842958 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	2.2	3.0	3.1	3.1	3.4	3.5	5.2	1.9	11	1.7	1.6
2	1.3	2.3	2.9	3.1	19	3.4	3.2	16	1.8	8.5	5.6	3.1
3	1.3	2.2	3.0	3.1	8.9	3.5	3.1	3.0	1.8	2.9	2.0	1.6
4	1.3	2.3	5.8	3.1	6.9	3.3	3.1	2.8	1.8	5.0	1.6	1.5
5	1.3	10	3.2	18	7.3	3.2	3.0	2.8	1.7	2.2	8.9	1.5
6	1.3	3.7	3.1	4.3	41	9.6	3.0	2.7	1.6	2.0	2.2	1.5
7	1.4	2.4	3.1	3.3	7.3	3.2	e3.0	2.6	2.4	2.3	1.6	e80
8	e50	2.4	3.0	3.2	5.6	3.0	e3.0	2.5	1.9	2.3	1.6	5.5
9	2.1	2.4	3.0	6.5	4.3	3.0	e3.0	2.7	1.7	1.9	1.5	2.6
10	2.2	2.4	25	3.7	4.7	2.9	e3.0	2.6	1.6	5.4	1.5	2.3
11	2.3	2.5	4.2	3.4	5.1	2.9	e7.0	2.4	1.5	2.1	2.4	2.1
12	2.3	2.3	2.9	3.4	42	2.9	e30	6.3	1.5	4.1	33	2.0
13	2.3	2.3	6.2	3.2	6.1	2.9	e20	3.9	3.4	1.9	1.9	1.9
14	2.0	2.2	13	3.2	17	2.9	e5.0	2.6	2.1	1.7	1.6	1.9
15	2.1	2.4	3.2	3.2	19	3.0	4.6	2.5	14	1.7	e40	2.0
16	2.0	2.4	3.4	3.2	7.2	3.3	4.1	2.9	10	1.6	5.1	e190
17	2.9	3.7	8.9	3.3	5.2	2.8	3.8	3.0	9.0	2.0	2.1	20
18	2.8	14	3.6	7.4	4.6	2.8	3.8	2.6	3.2	1.7	1.8	5.0
19	2.6	e70	3.6	3.1	4.3	2.8	3.8	2.5	2.7	1.6	1.7	3.7
20	2.6	3.7	3.5	3.1	4.1	2.7	3.7	2.4	2.3	1.6	2.6	3.2
21	2.4	3.2	3.6	3.1	4.2	3.1	3.7	2.3	9.0	1.6	2.2	3.0
22	2.1	3.0	3.7	3.0	3.7	2.6	3.3	2.3	6.5	1.6	1.7	2.8
23	2.3	3.0	7.8	3.0	3.7	2.6	3.4	2.3	14	1.5	1.7	2.8
24	2.4	6.0	9.0	3.0	4.0	2.6	3.1	2.3	3.5	1.5	1.6	2.8
25	2.3	3.1	3.4	67	5.0	2.6	3.0	2.2	5.8	e70	8.9	2.7
26	32	3.0	3.2	14	11	2.5	13	2.2	3.7	23	1.9	2.7
27	2.9	20	3.2	6.6	4.4	2.5	3.9	2.1	e60	9.1	1.6	e180
28	2.4	7.0	3.1	4.3	3.7	2.5	3.0	2.1	16	8.7	1.5	22
29	2.2	3.3	3.2	3.5	3.4	2.5	3.0	2.1	4.2	2.1	3.9	4.3
30	2.0	3.1	6.1	3.4	---	17	3.0	2.1	4.7	1.8	1.5	3.4
31	2.0	---	3.1	3.2	---	4.6	---	8.9	---	1.8	1.5	---
TOTAL	142.4	192.5	157.0	202.0	265.8	112.6	159.1	104.9	195.3	186.2	148.4	559.5
MEAN	4.59	6.42	5.06	6.52	9.17	3.63	5.30	3.38	6.51	6.01	4.79	18.6
MAX	50	70	25	67	42	17	30	16	60	70	40	190
MIN	1.3	2.2	2.9	3.0	3.1	2.5	3.0	2.1	1.5	1.5	1.5	1.5
MED	2.2	3.0	3.4	3.2	5.1	2.9	3.3	2.6	3.0	2.0	1.8	2.8
AC-FT	282	382	311	401	527	223	316	208	387	369	294	1110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	4.59	6.42	5.06	6.52	9.17	3.63	4.76	18.1	10.6	7.45	4.68	11.1
MAX	4.59	6.42	5.06	6.52	9.17	3.63	5.30	32.8	14.8	8.88	4.79	18.6
(WY)	2004	2004	2004	2004	2004	2004	2004	2003	2003	2003	2004	2004
MIN	4.59	6.42	5.06	6.52	9.17	3.63	4.22	3.38	6.51	6.01	4.58	3.52
(WY)	2004	2004	2004	2004	2004	2004	2003	2004	2004	2004	2003	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	2425.7			
ANNUAL MEAN	6.63		6.63	
HIGHEST ANNUAL MEAN			6.63	2004
LOWEST ANNUAL MEAN			6.63	2004
HIGHEST DAILY MEAN	e 190	Sep 16	200	May 16 2003
LOWEST DAILY MEAN	1.3	Oct 1 a	1.3	Sep 17 2003
ANNUAL SEVEN-DAY MINIMUM	1.3	Oct 1	1.3	Sep 25 2003
MAXIMUM PEAK STAGE	9.96	Sep 16	10.20	May 16 2003
ANNUAL RUNOFF (AC-FT)	4810		4800	
10 PERCENT EXCEEDS	10		10	
50 PERCENT EXCEEDS	3.0		3.0	
90 PERCENT EXCEEDS	1.7		1.7	

e Estimated
a Also Oct 2-6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334646 LONGITUDE 0842958 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.82	1.93	1.83	1.84	1.84	1.86	1.82	1.87	1.74	1.99	1.77	1.74
2	1.82	1.94	1.83	1.84	2.14	1.86	1.80	2.11	1.73	1.98	1.89	1.88
3	1.81	1.93	1.83	1.84	2.07	1.86	1.79	1.78	1.72	1.82	1.80	1.75
4	1.81	1.94	1.97	1.84	2.01	1.85	1.79	1.77	1.72	1.87	1.75	1.74
5	1.81	2.12	1.85	2.17	2.01	1.85	1.78	1.76	1.71	1.77	1.95	1.74
6	1.82	2.04	1.84	1.91	2.48	2.02	1.78	1.75	1.70	1.75	1.82	1.74
7	1.84	1.95	1.84	1.85	2.03	1.85	---	1.75	1.76	1.76	1.75	2.92
8	2.47	1.95	1.83	1.85	1.96	1.83	---	1.74	1.73	1.77	1.75	2.00
9	1.92	1.95	1.83	1.98	1.92	1.83	---	1.75	1.71	1.74	1.74	1.86
10	1.93	1.95	2.30	1.88	1.93	1.83	---	1.75	1.70	1.86	1.75	1.84
11	1.94	1.96	1.89	1.86	1.95	1.83	---	1.74	1.69	1.75	1.82	1.81
12	1.94	1.94	1.82	1.86	2.52	1.82	---	1.86	1.68	1.83	2.33	1.80
13	1.94	1.94	1.93	1.85	1.99	1.82	---	1.83	1.82	1.73	1.79	1.80
14	1.91	1.93	2.10	1.85	2.23	1.83	---	1.75	1.75	1.71	1.76	1.79
15	1.92	1.95	1.84	1.85	2.25	1.83	1.88	1.74	1.99	1.70	2.11	1.81
16	1.92	1.95	1.84	1.85	2.02	1.85	1.85	1.77	2.05	1.70	1.96	3.69
17	1.99	2.02	2.03	1.85	1.95	1.82	1.84	1.78	2.03	1.74	1.81	2.32
18	1.99	2.13	1.88	2.00	1.93	1.82	1.83	1.75	1.83	1.71	1.78	2.01
19	1.97	2.66	1.87	1.84	1.92	1.81	1.83	1.74	1.79	1.70	1.77	1.94
20	1.97	1.88	1.87	1.84	1.90	1.81	1.83	1.73	1.76	1.70	1.82	1.91
21	1.95	1.85	1.87	1.84	1.91	1.84	1.83	1.72	1.97	1.69	1.82	1.89
22	1.92	1.84	1.88	1.84	1.88	1.80	1.80	1.73	1.95	1.70	1.77	1.88
23	1.94	1.83	1.97	1.83	1.88	1.80	1.81	---	2.05	1.69	1.77	1.88
24	1.95	1.94	2.02	1.83	1.90	1.80	1.79	1.72	1.86	1.68	1.76	1.87
25	1.95	1.84	1.86	2.89	1.94	1.80	1.78	1.71	1.95	2.33	1.97	1.87
26	2.47	1.83	1.85	2.18	2.12	1.80	2.08	1.71	1.86	2.25	1.79	1.87
27	1.99	2.17	1.84	2.00	1.92	1.80	1.83	1.70	2.52	1.98	1.75	3.59
28	1.95	2.00	1.84	1.91	1.88	1.79	1.78	1.70	2.11	2.02	1.75	2.32
29	1.93	1.85	1.85	1.87	1.86	1.79	1.78	1.70	1.88	1.81	1.85	1.97
30	1.91	1.84	1.95	1.86	---	2.14	1.78	1.70	1.89	1.79	1.75	1.92
31	1.92	---	1.84	1.84	---	1.87	---	1.92	---	1.78	1.74	---
MEAN	1.95	1.97	1.90	1.92	2.01	1.84	---	---	1.85	1.82	1.83	2.04
MAX	2.47	2.66	2.30	2.89	2.52	2.14	---	---	2.52	2.33	2.33	3.69
MIN	1.81	1.83	1.82	1.83	1.84	1.79	---	---	1.68	1.68	1.74	1.74

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334646 LONGITUDE 0842958 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.18	0.00	0.13
2	0.00	0.00	0.00	0.00	0.09	0.02	0.00	0.26	0.00	0.09	0.12	0.36
3	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
4	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
5	0.00	0.55	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00
6	0.05	0.10	0.00	0.00	0.13	0.37	0.00	0.00	0.00	0.00	0.00	0.14
7	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.20	0.00	2.62
8	1.82	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.05
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
10	0.01	0.00	1.00	0.00	0.02	0.00	0.00	0.01	0.00	0.24	0.01	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.36	0.00	0.61	0.64	0.00	0.35	1.54	0.00
13	0.00	0.00	0.37	0.00	0.00	0.00	0.58	0.00	0.52	0.01	0.00	0.00
14	0.02	0.00	0.18	0.00	0.46	0.00	0.00	0.01	0.02	0.00	0.00	0.00
15	0.01	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.79	0.00	0.34	0.00
16	0.00	0.02	0.23	0.00	0.00	0.14	0.00	0.03	0.38	0.00	0.00	4.50
17	0.13	0.22	0.09	0.00	0.00	0.00	0.00	0.02	0.10	0.03	0.00	0.13
18	0.01	1.17	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
19	0.00	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00
21	0.00	0.00	0.00	0.00	0.04	0.09	0.00	0.00	0.52	0.00	0.11	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.12	0.00	0.00	0.00
23	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.40	0.00	0.00	0.00
24	0.00	0.25	0.00	0.01	0.05	0.00	0.00	0.00	0.02	0.00	0.04	0.00
25	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.20	3.15	0.35	0.00
26	1.72	0.00	0.00	0.00	---	0.00	0.70	0.00	0.02	0.04	0.01	0.00
27	0.01	1.01	0.00	0.00	---	0.00	0.00	0.00	1.70	0.11	0.00	4.02
28	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.02	0.57	0.01	0.00	0.00
29	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.73	0.00
30	0.00	0.00	0.02	0.00	---	0.94	0.04	0.00	0.40	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.15	---	0.52	---	0.00	0.00	---
TOTAL	3.91	4.90	2.11	0.02	---	1.71	2.27	2.38	5.93	4.57	3.78	11.95

APALACHICOLA RIVER BASIN
2004 Water Year

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°46'46", long 84°29'58", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, on the right bank of bridge on Bolton Road, 1.8 miles upstream of the Chattahoochee River, 0.2 miles west of Interstate 285, and 0.5 miles south of US 78.

DRAINAGE AREA.—5.15 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 7, 2000 to December 11, 2000; August 21, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples with no medium code are surface water. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
21...	0745	--	9	9	81345	1.93	2.2	1.6	746	7.2	71	6.9	163
21...	0755	--	9	9	81345	1.95	2.4	1.1	746	7.0	69	6.9	163
JAN													
13...	1400	--	9	9	81345	1.85	3.2	3.6	--	9.2	--	6.9	148
13...	1405	--	9	9	81345	1.85	3.2	3.3	--	9.1	--	6.9	148
FEB													
03...	1335	--	9	J	81345	2.09	9.2	24	748	10.6	93	6.8	130
03...	1400	--	9	J	81345	2.20	14	27	748	10.6	93	6.8	129
FEB													
12-12	0930	0945	9	J	81345	2.58	39	150	743	11.8	100	6.8	72
FEB													
12-12	0955	1000	9	J	81345	2.40	26	140	743	11.8	100	6.8	72
FEB													
12-12	1100	1115	9	J	81345	2.49	32	120	746	11.5	98	6.8	84
FEB													
12-12	1115	1120	9	J	81345	2.39	25	120	746	11.5	97	6.8	84
MAR													
10...	0915	--	9	9	81345	1.83	3.0	2.7	747	11.6	100	7.4	157
10...	0930	--	9	9	81345	1.83	3.0	4.0	747	11.9	103	7.2	157
APR													
01...	0900	--	9	9	81345	1.81	3.4	7.3	743	10.0	91	7.0	149
01...	0915	--	9	9	81345	1.81	3.4	6.1	743	9.9	90	7.0	149
13...	1030	--	9	J	81345	3.19	97	80	740	8.4	86	6.9	90
13...	1045	--	9	J	81345	3.18	96	90	740	8.5	87	6.9	90
MAY													
12...	0800	--	9	9	81345	1.74	2.5	3.0	--	6.9	--	7.3	166
12...	0815	--	9	9	81345	1.74	2.5	2.5	--	6.8	--	7.3	166
27...	0830	--	9	9	81345	1.71	2.2	2.1	746	7.1	81	7.1	158
27...	0835	--	9	9	81345	1.71	2.2	2.3	746	7.1	82	7.1	158
JUN													
23...	0740	--	9	9	81345	1.97	5.5	13	749	6.7	79	7.1	114
23...	0745	--	9	9	81345	1.97	5.5	12	749	6.7	79	7.1	114
AUG													
16...	1125	--	9	J	81345	1.91	3.2	50	751	7.2	84	6.8	107
SEP													
07-07	0750	0800	9	J	81345	2.94	65	140	736	7.7	--	7.5	56

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
21...	13.5	46	.0	13.9	2.77	3.22	.7	11.6	33	45.2	.1	11.4	22.1
21...	13.5	47	1	14.1	2.79	3.22	.7	11.5	33	45.5	<.02	11.4	22.6
JAN													
13...	9.5	52	12	14.4	3.95	3.22	.6	9.39	27	40.1	M	14.6	13.6
13...	9.5	--	--	--	5.46	4.11	--	14.7	--	--	.2	17.6	19.5
FEB													
03...	9.0	--	--	--	2.32	2.73	--	6.76	--	--	<.02	8.15	15.0
03...	9.0	39	10	11.9	2.30	2.66	.5	6.68	25	29.7	<.02	8.16	14.6
FEB													
12-12	7.0	22	7	7.03	1.14	2.25	.2	2.14	16	15.6	<.02	2.14	5.43
FEB													
12-12	7.0	--	--	--	1.20	2.50	--	2.65	--	--	<.02	2.20	5.50
FEB													
12-12	7.5	27	8	8.36	1.37	2.47	.2	2.49	15	18.6	<.02	2.75	7.02
FEB													
12-12	7.0	--	--	--	1.44	2.57	--	2.89	--	--	<.02	2.81	7.23
MAR													
10...	8.0	--	--	--	3.59	2.99	--	10.1	--	--	<.02	11.1	15.0
10...	8.0	53	12	15.9	3.15	2.68	.6	9.21	26	40.9	<.02	10.9	20.4
APR													
01...	10.0	48	9	14.6	2.88	2.98	.6	9.01	27	39.4	.1	8.80	20.2
01...	10.0	--	--	--	2.72	2.93	--	8.67	--	--	.1	8.93	18.8
13...	15.0	29	6	9.08	1.41	3.15	.3	3.60	19	22.8	<.02	3.15	8.77
13...	15.0	28	4	8.98	1.36	3.15	.3	3.72	20	23.7	<.02	3.36	8.64
MAY													
12...	19.0	48	5	14.4	2.90	3.43	.7	11.2	32	43.0	.1	11.2	22.5
12...	19.0	--	--	--	3.03	3.25	--	10.2	--	--	.1	11.9	23.8
27...	21.0	44	2	13.2	2.60	3.26	.7	10.7	33	41.4	.1	10.7	21.1
27...	21.5	--	--	--	2.92	3.09	--	10.0	--	--	.1	10.6	24.0
JUN													
23...	22.5	35	4	10.8	1.92	3.13	.5	6.16	26	30.8	M	5.8	14.8
23...	22.5	35	4	11.0	1.83	3.06	.5	6.26	26	30.9	M	5.9	14.5
AUG													
16...	22.0	35	9	11.0	1.72	3.46	.3	4.59	20	26.1	M	4.1	12.7
SEP													
07-07	21.5	--	--	--	--	--	--	--	--	14.7	<.02	1.40	--

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
OCT													
21...	14.5	109	.15	.23	.176	.47	<.020	--	<.100	<.10	.83	640	1800k
21...	14.6	110	.15	.22	.170	.46	<.020	--	<.100	<.10	.80	--	--
JAN													
13...	13.7	105	.14	.03	.026	1.56	<.020	--	<.100	<.10	.89	170	80k
13...	35.2	--	--	--	<.020	--	.030	--	<.100	<.10	.67	--	--
FEB													
03...	15.4	--	--	.06	.050	--	<.020	--	<.100	<.10	1.05	--	--
03...	15.3	83	.11	.06	.050	.86	<.020	--	<.100	<.10	1.13	910	230k
FEB													
12-12	8.7	41	.06	.06	.044	.62	<.020	--	<.100	<.10	.90	6100	4500
FEB													
12-12	8.8	--	--	.08	.062	--	<.020	--	<.100	<.10	.95	--	--
FEB													
12-12	10.5	49	.07	.05	.038	.71	<.020	--	<.100	<.10	1.03	5200	3500
FEB													
12-12	10.7	--	--	.04	.033	--	<.020	--	<.100	<.10	.99	--	--
MAR													
10...	16.8	--	--	--	<.020	--	<.020	--	<.100	<.10	1.04	--	--
10...	16.8	106	.14	--	<.020	.51	<.020	--	<.100	<.10	.72	180	69
APR													
01...	14.6	100	.14	.15	.120	.54	<.020	--	<.100	<.10	.63	840	430
01...	14.8	--	--	.14	.110	--	<.020	--	<.100	<.10	.64	--	--
13...	8.9	54	.07	.10	.076	.43	<.020	--	<.100	<.10	.89	--	--
13...	9.3	55	.07	.12	.091	.44	<.020	--	<.100	<.10	.81	13000	10000
MAY													
12...	13.8	109	.15	.30	.230	.63	.040	--	<.100	<.10	1.09	860	580
12...	14.9	--	--	.36	.283	--	.090	--	<.100	<.10	1.03	--	--
27...	13.1	102	.14	.06	.049	.52	.040	--	<.100	<.10	.82	260	550
27...	12.7	--	--	.06	.046	--	.040	--	<.100	<.10	.73	--	--
JUN													
23...	9.3	72	.10	--	<.010	.34	<.010	--	<.050	<.050	--	--	--
23...	9.3	72	.10	--	<.010	.34	<.010	--	<.050	<.050	.75	870	2600
AUG													
16...	11.5	67	.09	--	--	.57	<.010	--	--	--	--	--	--
SEP													
07-07	6.6	--	--	--	<.020	.41	.020	.337	.110	.16	--	21000	32000

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT			
21...	240000	170	70
21...	--	130	70
JAN			
13...	2000	240	70
13...	--	<100	120
FEB			
03...	--	<100	60
03...	5100	<100	60
FEB			
12-12	8680	120	30
FEB			
12-12	--	120	40
FEB			
12-12	117000	130	40
FEB			
12-12	--	120	40
MAR			
10...	--	120	100
10...	3000	<100	90
APR			
01...	12000	170	80
01...	--	170	80
13...	--	140	50
13...	310000	140	50
MAY			
12...	17000	300	80
12...	--	160	90
27...	15000	<100	80
27...	--	<100	80
JUN			
23...	--	120	60
23...	55000	<50	60
AUG			
16...	--	<50	50
SEP			
07-07	1200000	--	--

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
21...	0746	--	9	9	80020	1.93	2.2	1.6	746	7.2	6.9	163	13.5
21...	0756	--	9	9	80020	1.95	2.4	1.1	746	7.0	6.9	163	13.5
JAN													
13...	1401	--	9	9	80020	1.85	3.2	3.6	--	9.2	6.9	148	9.5
13...	1406	--	9	9	80020	1.85	3.2	3.3	--	9.1	6.9	148	9.5
FEB													
03...	1336	--	9	J	80020	2.09	9.2	24	748	10.6	6.8	130	9.0
03...	1401	--	9	J	80020	2.20	14	27	748	10.6	6.8	129	9.0
FEB													
12-12	0931	0946	9	J	80020	2.58	39	150	743	11.8	6.8	72	7.0
FEB													
12-12	0956	1001	9	J	80020	2.40	26	140	743	11.8	6.8	72	7.0
FEB													
12-12	1101	1116	9	J	80020	2.49	32	120	746	11.5	6.8	84	7.5
FEB													
12-12	1116	1121	9	J	80020	2.39	25	120	746	11.5	6.8	84	7.0
MAR													
10...	0916	--	9	9	80020	1.83	3.0	2.7	747	11.6	7.4	157	8.0
10...	0931	--	9	9	80020	1.83	3.0	4.0	747	11.9	7.2	157	8.0
APR													
01...	0901	--	9	9	80020	1.81	3.4	7.3	743	10.0	7.0	149	10.0
01...	0916	--	9	9	80020	1.81	3.4	6.1	743	9.9	7.0	149	10.0
13...	1031	--	9	J	80020	3.19	97	80	740	8.4	6.9	90	15.0
13...	1046	--	9	J	80020	3.18	96	90	740	8.5	6.9	90	15.0
MAY													
12...	0801	--	9	9	80020	1.74	2.5	3.0	--	6.9	7.3	166	19.0
12...	0816	--	9	9	80020	1.74	2.5	2.5	--	6.8	7.3	166	19.0
27...	0831	--	9	9	80020	1.71	2.2	2.1	746	7.1	7.1	158	21.0
27...	0836	--	9	9	80020	1.71	2.2	2.3	746	7.1	7.1	158	21.5
JUN													
23...	0741	--	9	9	80020	1.97	5.5	13	749	6.7	7.1	114	22.5
23...	0746	--	9	9	80020	1.97	5.5	12	749	6.7	7.1	114	22.5
AUG													
16...	1126	--	9	J	80020	1.91	3.2	50	751	7.2	6.8	107	22.0
16...	1131	--	9	J	80020	1.91	3.2	50	751	7.1	6.8	107	22.0
SEP													
07-07	0751	0801	9	J	80020	2.94	65	140	E736	7.7	7.5	56	21.5

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Aluminum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT									
21...	3	<.04	<.8	.8	E.05n	148	.77	<.2	3.8
21...	3	<.04	<.8	.8	.09	165	.72	<.2	4.1
JAN									
13...	2	<.04	<.8	.8	E.05n	--	.88	<.2	--
13...	2	<.04	<.8	.9	<.08	--	1.15	<.2	--
FEB									
03...	5	E.03n	<.8	1.8	.15	--	.75	<.2	--
03...	6	E.03n	<.8	1.6	.14	--	.64	<.2	--
FEB									
12-12	51	E.03n	<.8	2.8	.40	--	.63	<.2	--
FEB									
12-12	61	E.02n	<.8	2.7	.42	--	.63	<.2	--
FEB									
12-12	44	E.03n	<.8	2.9	.44	--	.68	<.2	--
FEB									
12-12	41	E.03n	<.8	2.8	.36	--	.67	<.2	--
MAR									
10...	2	<.04	<.8	1.0	E.04n	--	.63	<.2	--
10...	2	<.04	<.8	1.0	E.04n	--	.61	<.2	--
APR									
01...	4	M	<.8	M	M	130	M	<.20	M
01...	4	E.02n	<.8	1.7	.17	--	.75	<.2	--
13...	21	E.04n	<.8	3.4	.70	48.8	.85	<.2	9.5
13...	22	E.02n	<.8	3.3	.71	50.9	.90	<.2	8.9
MAY									
12...	13	<.04	<.8	1.0	.10	--	2.08	<.2	--
12...	3	.12	<.8	1.1	.09	--	1.75	<.2	--
27...	2	<.04	<.8	1.1	E.07n	103	.46	<.2	2.8
27...	2	<.04	<.8	1.0	E.07n	--	1.02	<.2	--
JUN									
23...	4	<.04	<.8	2.3	.18	--	.61	<.2	--
23...	4	<.04	<.8	1.9	.14	--	.61	<.2	--
AUG									
16...	9	E.03n	<.8	2.7	.23	--	.87	<.2	--
16...	11	E.02n	<.8	2.6	.50	--	.86	<.2	--
SEP									
07-07	26	E.02n	<.8	3.8	.42	--	.70	<.2	--

Date	Time	Medium code	End time	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Discharge, cfs (00060)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
21...	0746	9	--	9	80020	1.93	2.2	1.6	746	7.2	71	6.9	163
JAN													
13...	1401	9	--	9	80020	1.85	3.2	3.6	--	9.2	--	6.9	148
FEB													
03...	1401	9	--	J	80020	2.20	14	27	748	10.6	93	6.8	129
FEB													
12-12	0931	9	0946	J	80020	2.58	39	150	743	11.8	100	6.8	72
FEB													
12-12	1101	9	1116	J	80020	2.49	32	120	746	11.5	98	6.8	84
MAR													
10...	0931	9	--	9	80020	1.83	3.0	4.0	747	11.9	103	7.2	157
APR													
01...	0901	9	--	9	80020	1.81	3.4	7.3	743	10.0	91	7.0	149
13...	1046	9	--	J	80020	3.18	96	90	740	8.5	87	6.9	90
MAY													
12...	0801	9	--	9	80020	1.74	2.5	3.0	--	6.9	--	7.3	166
27...	0831	9	--	9	80020	1.71	2.2	2.1	746	7.1	81	7.1	158
JUN													
23...	0746	9	--	9	80020	1.97	5.5	12	749	6.7	79	7.1	114
AUG													
16...	1131	9	--	J	80020	1.91	3.2	50	751	7.1	82	6.8	107
SEP													
07-07	0751	9	0801	J	80020	2.94	65	140	E736	7.7	--	7.5	56

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)
OCT													
21...	13.5	<.5	<.5	<.5	<.5	M	M	<5	<1	<1	E2	M	<2
JAN													
13...	9.5	E.1	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2
FEB													
03...	9.0	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2
FEB													
12-12	7.0	<.5	<.5	<.5	<.5	E1	<1	<5	<1	<1	E1	<1	<2
FEB													
12-12	7.5	<.5	<.5	<.5	<.5	M	<1	<5	<1	<1	E2	<1	<2
MAR													
10...	8.0	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2
APR													
01...	10.0	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	E1	<1	<2
13...	15.0	<.5mc	<.5	<.5	<.5	<2	M	<5mc	<1	<1	Mmc	<1	<2
MAY													
12...	19.0	<.5	<.5	<.5	<.5	M	M	<5	<1	<1	M	<1	<2
27...	21.0	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2
JUN													
23...	22.5	E.1	<.5	<.5	<.5	E1	M	<5	<1	<1	E2	<1	<2
AUG													
16...	22.0	<.5	<.5	<.5	<.5	Mt	Mt	<5	<1	<1	Mt	<1	<2
SEP													
07-07	21.5	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2

Date	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)
OCT													
21...	<.5	<.5	E.1	<.5	<.5	E.1	<2	<2	<1	<.5	.6	<.5	<1
JAN													
13...	<.5	<.5	M	<.5	<.5	E.1	<2	<2	<1	--	M	M	<1
FEB													
03...	E.1	E.1	M	M	<.5	E.1	<2	<2	<1	--	E.2	M	<1
FEB													
12-12	E.1	<.5	M	M	<.5	E.1	E1	M	M	--	E.1	M	<1
FEB													
12-12	E.1	E.1	M	M	<.5	E.1	<2	<2	M	--	E.1	M	<1
MAR													
10...	<.5	<.5	<.5	<.5	<.5	M	<2	<2	<1	--	M	M	<1
APR													
01...	E.7	<.5	E.1	<.5	<.5	M	<2	<2	M	--	E.2	E.1	<1
13...	E.1	<.5	M	M	<.5	E.1	<2	<2	<1	<.5	E.2	E.1	Mmc
MAY													
12...	<.5	<.5	E.1	<.5	<.5	E.1	<2	<2	M	--	E.3	E.1	<1
27...	<.5	<.5	E.1	<.5	<.5	<.5	<2	<2	<1	.7	<.5	E.1	<1
JUN													
23...	E.2	<.5	M	<.5	<.5	E.1	<2	2	M	--	E.2	M	M
AUG													
16...	E.1t	<.5	<.5	Mt	<.5	E.1t	Mt	<2	Mt	--	E.1t	Mt	Mt
SEP													
07-07	E.1t	<.5	<.5	<.5	<.5	<.5	<2	<2	Mt	--	<.5	<.5	Mt

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)
OCT													
21...	<.5	<.5	E1	E.3400	E.2	<.5	<5	<1	<.5	M	M	E.1	<.5
JAN													
13...	<.5	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5
FEB													
03...	<.5	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	E.1	<.5
FEB													
12-12	<.5	<.5	E1	<1.00	E.1	<.5	E2	M	<.5	<1	M	E.1	<.5
FEB													
12-12	<.5	<.5	M	<1.00	E.2	<.5	E2	M	<.5	<1	M	E.1	<.5
MAR													
10...	<.5	<.5	<2	<1.00	M	<.5	<5	<1	<.5	<1	M	<.5	<.5
APR													
01...	M	<.5	<2	E.0880	E.1	<.5	<5	<1	<.5	<1	<.5	M	M
13...	M	<.5	E1	<1.00	E.1	E.1	<5mc	<1mc	<.5mc	<1mc	M	E.1	M
MAY													
12...	<.5	<.5	E2	E.2600	E.1	<.5	<5	<1	<.5	<1	M	M	M
27...	<.5	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5
JUN													
23...	M	<.5	E2	<1.00	E.4	<.5	E9	M	<.5	E2	M	<.5	<.5
AUG													
16...	<.5	<.5	Mt	<1.00	E.3t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5
SEP													
07-07	<.5	<.5	<2	<1.00	E.3t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5

Date	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)
OCT													
21...	<.5	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	<.5	<.5
JAN													
13...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	--
FEB													
03...	<.5	<.5	<.5	<.5	E.1	<.5	<.5	E.1	<.5	M	<2	M	--
FEB													
12-12	<.5	M	<.5	<.5	E.1	<.5	<.5	E.1	<.5	<1	M	M	--
FEB													
12-12	<.5	M	<.5	<.5	E.2	<.5	M	E.1	E.1	M	M	M	--
MAR													
10...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	--
APR													
01...	<.5	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	<.5	--
13...	<.5	M	<.5mc	<.5	E.2	<.5	<.5	<.5	<.5	M	<2mc	M	E.2
MAY													
12...	<.5	<.5	<.5	<.5	E.1	<.5	E.1	<.5	<.5	M	<2	<.5	--
27...	<.5	<.5	<.5	<.5	E.1	<.5	E.1	<.5	<.5	M	<2	<.5	.8
JUN													
23...	<.5	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	<.5	--
AUG													
16...	<.5	<.5	<.5	<.5	Mt	<.5	Mt	E.1t	<.5	Mt	<2	Mt	--
SEP													
07-07	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	<2	<.5	--

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT												
21...	<.5	<.5	<.5	<.5	<.5	M	E.1	<.5	E1.2	<.5	E.1	<1.00
JAN												
13...	<.5	<.5	<.5	<.5	E.1	<1	<.5	M	E.2	<.5	E.1	<1.00
FEB												
03...	<.5	M	<.5	<.5	E.1	<1	<.5	E.1	E.5	E.1	E.1	<1.00
FEB												
12-12	<.5	M	<.5	<.5	E.1	<1	<.5	E.1	E.4	E.1	E.1	<1.00
FEB												
12-12	<.5	M	<.5	<.5	E.1	M	<.5	E.1	E.4	E.1	E.1	<1.00
MAR												
10...	<.5	M	<.5	<.5	<.5	<1	<.5	M	M	M	E.1	<1.00
APR												
01...	<.5	<.5	<.5	<.5	<.5	M	<.5	M	E1.2	E.5	E.1	<1.00
13...	<.5	M	Mmc	<.5mc	E.1	<1	<.5	E.1	1.3	E.1	E.1	<1.00mc
MAY												
12...	<.5	M	<.5	<.5	<.5	M	E.1	E.1	.5	M	E.1	<1.00
27...	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
JUN												
23...	<.5	M	<.5	<.5	E.1	M	<.5	E.1	2.3	E.1	E.1	<1.00
AUG												
16...	<.5	Mt	<.5	<.5	E.1t	<1	<.5	E.1n	E.5t	E.1t	E.3t	--u
SEP												
07-07	<.5	Mt	<.5	<.5	<.5	<1	<.5	<.5	E.4t	<.5	<.5	--u

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
21...	0800	--	1	9	81350	1.95	2.4	1.1	746	7.2	71	6.9	163
JAN													
13...	1402	--	1	9	81350	1.85	3.2	3.6	--	9.2	--	6.9	148
FEB													
03...	1402	--	1	J	81350	2.20	14	27	748	10.6	93	6.8	129
FEB													
12-12	0932	0947	1	J	81350	2.58	39	150	743	11.8	100	6.8	72
FEB													
12-12	0957	1002	1	J	81350	2.40	26	140	743	11.8	100	6.8	72
FEB													
12-12	1102	1117	1	J	81350	2.49	32	120	746	11.5	98	6.8	84
FEB													
12-12	1117	1622	1	9	81350	2.39	25	120	746	11.5	97	6.8	84
MAR													
10...	0917	--	1	9	81350	1.83	3.0	2.7	747	11.6	100	7.4	157
APR													
01...	0917	--	1	9	81350	1.81	3.4	6.1	743	9.9	90	7.0	149
13...	1032	--	1	J	81350	3.19	97	80	740	8.4	86	6.9	90
13...	1047	--	1	J	81350	3.18	96	90	740	8.5	87	6.9	90
13...	1102	--	1	J	81350	3.16	95	90	740	8.5	87	6.9	90
MAY													
12...	0817	--	1	9	81350	1.74	2.5	2.5	--	6.8	--	7.3	166
27...	0837	--	1	9	81350	1.71	2.2	2.3	746	7.1	82	7.1	158
JUN													
23...	0742	--	1	9	81350	1.97	5.5	13	749	6.7	79	7.1	114
AUG													
16...	1127	--	1	J	81350	1.91	3.2	50	751	7.2	84	6.8	107
SEP													
07-07	0752	0802	1	J	81350	2.94	65	140	736	7.7	--	7.5	56

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
21...	13.5	2.5	.8	10	480	1	.7	92	83	51	4.5	27	19
JAN													
13...	9.5	9.1	2.6	23	690	4	.9	130	19	93	7.5	140	42
FEB													
03...	9.0	15	2.0	17	500	4	.2	67	16	68	5.5	100	66
FEB													
12-12	7.0	12	.8	6.5	650	4	.2	56	16	45	3.9	82	49
FEB													
12-12	7.0	12	.9	6.9	640	4	<.2	54	15	48	3.9	82	59
FEB													
12-12	7.5	8.5	2.2	10	320	2	.2	43	11	46	3.1	53	44
FEB													
12-12	7.0	13	1.0	8.1	570	4	.2	52	15	53	4.3	95	65
MAR													
10...	8.0	3.3	.5	14	270	2	.9	76	13	140	4.0	46	19
APR													
01...	10.0	7.3	2.1	15	510	3	.9	85	51	91	7.0	74	40
13...	15.0	12	1.9	14	470	4	.8	78	10	60	5.4	92	56
13...	15.0	5.6	3.4	16	430	2	.6	41	18	73	2.9	47	36
13...	15.0	14	1.3	12	480	4	.2	75	15	67	4.9	93	69
MAY													
12...	19.0	4.8	<.2	10	490	2	<.2	--	16	71	5.1	74	30
27...	21.5	6.1	1.7	9.9	480	2	.3	130	14	46	4.7	65	22
JUN													
23...	22.5	13	2.1	11	540	4	.4	120	15	72	5.8	95	60
AUG													
16...	22.0	13	1.2	14	460	4	.7	77	15	72	5.0	130	65
SEP													
07-07	21.5	9.0	1.8	7.9	590	3	<.2	41	11	44	3.1	67	42

Date	Manganese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
21...	15000	.22	10	62	M	<.5	460	<50	.110	38	420	<50	2
JAN													
13...	1400	--	8	58	1	<2	70	<200	.390	110	390	<200	1
FEB													
03...	640	.12	3	32	1	<1	59	<100	.490	120	340	<100	10
FEB													
12-12	630	.18	4	33	M	<1	67	<100	.460	100	260	<100	120
FEB													
12-12	590	.15	3	29	M	<1	73	<100	.470	100	220	<100	114
FEB													
12-12	530	--o	3	23	1	<1	290	<100	.300	71	240	<100	104
FEB													
12-12	590	.14	3	33	<.1	<1	60	<100	.500	110	270	<100	56
MAR													
10...	1400	--	4	35	M	2	40	<150	.160	50	280	<150	1
APR													
01...	7700	--	6	46	2	<1	180	<100	.320	89	380	<100	2
13...	1400	.20	6	36	1	<1	120	<100	.440	110	340	<100	40
13...	630	--	8	23	2	<2	380	<150	.210	61	210	<150	80
13...	650	.09	4	36	1	<.5	71	<50	.460	120	270	<50	30
MAY													
12...	1300	E.11	--	--	1	<1	330	<100	.210	45	240	<100	2
27...	1500	E.37	21	74	2	<1	200	<100	.230	64	200	<100	3
JUN													
23...	890	E.13	15	65	1	<1	180	<100	.530	130	330	<100	5
AUG													
16...	460	.12	4	43	1	<1	74	<50	.500	130	250	<50	16
SEP													
07-07	550	<.02	2	15	M	<1	150	<100	.380	79	150	<100	291

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
   c -- See laboratory comment
   k -- Counts outside acceptable range
   m -- Value is highly variable by this method
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL

2004 Water Year

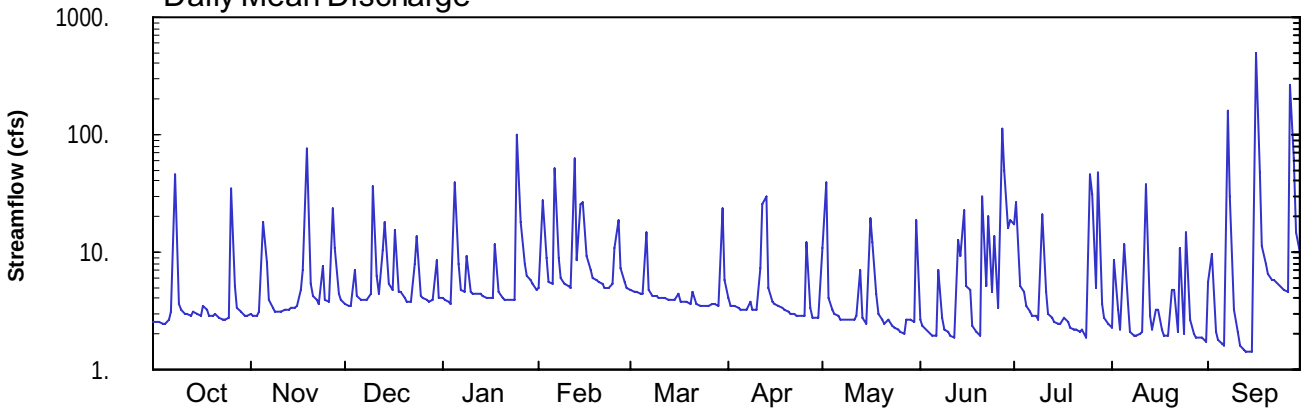
APALACHICOLA RIVER BASIN

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA

Latitude: 33°44'20" Longitude: 084°28'45" Hydrologic Unit Code: 03130002

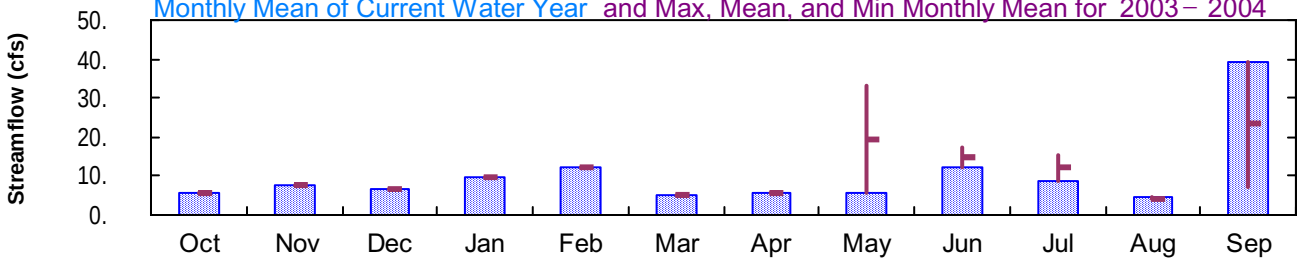
Fulton County Datum: 832.50 feet Drainage Area: 6.38 mi^2

Daily Mean Discharge

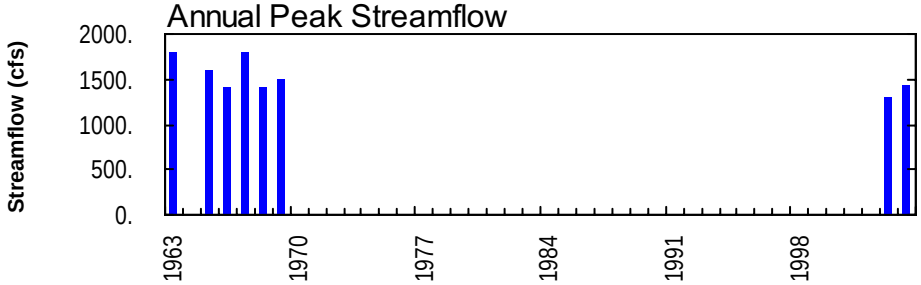


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 and 2004 Water Years

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'20", long 84°28'45", referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03070102, Fulton County, on upstream right bank at bridge on Peyton Road, 1.2 miles east of Interstate 285, and 3.0 miles upstream of confluence with South Utoy Creek.

DRAINAGE AREA.—6.38 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 9, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage is 832.50 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 9, 2003 to current year.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage is 832.50 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.81 feet, September 16; minimum gage-height recorded, 5.34 feet, September 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 9, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38* CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.0	3.7	4.1	4.9	4.8	4.0	11	2.7	17	2.3	5.7
2	2.6	2.9	3.5	3.9	28	4.6	3.5	39	2.4	26	8.5	9.5
3	2.5	2.9	3.5	3.7	9.0	4.5	3.4	4.1	2.2	5.1	3.2	2.1
4	2.5	3.1	7.1	3.6	5.6	4.4	3.3	3.2	2.1	4.5	2.1	1.8
5	2.5	18	4.3	39	5.3	4.3	3.2	3.0	2.0	3.5	12	1.7
6	2.7	8.2	3.9	8.0	52	15	3.2	2.9	1.9	3.1	3.6	1.6
7	3.1	3.9	3.8	4.8	9.1	4.7	3.3	2.7	6.9	2.9	2.1	e160
8	46	3.3	3.9	4.6	5.9	4.3	3.7	2.6	2.8	2.9	2.0	e30
9	3.6	3.1	4.4	9.2	5.4	4.2	3.3	2.7	2.2	2.7	1.9	e3.2
10	3.2	3.1	36	4.7	5.2	4.1	3.2	2.7	2.1	21	2.0	2.1
11	3.0	3.2	6.2	4.4	5.0	4.1	7.5	2.6	1.9	4.6	2.1	1.6
12	3.0	3.2	4.4	4.3	63	4.1	26	2.9	1.8	3.0	37	e1.5
13	2.9	3.2	10	4.3	8.6	3.9	30	7.0	13	2.8	2.9	e1.4
14	3.1	3.4	18	4.3	25	3.9	5.0	2.8	9.3	2.6	2.2	e1.4
15	3.0	3.4	5.3	4.1	26	3.9	3.8	2.4	22	2.5	3.2	e1.4
16	2.9	3.4	4.7	4.0	9.4	4.5	3.6	19	5.1	2.4	3.2	e500
17	3.5	4.7	15	4.1	7.0	3.8	3.5	12	4.7	2.8	2.2	48
18	3.2	6.9	4.6	12	6.1	3.7	3.4	4.4	2.3	2.5	2.0	11
19	2.9	75	4.5	4.5	5.7	3.7	3.2	3.0	2.1	2.3	1.9	7.8
20	2.9	5.4	4.1	4.0	5.5	3.7	3.1	2.6	1.9	2.2	4.8	6.5
21	2.9	4.3	3.8	3.9	5.4	4.5	3.0	2.4	29	2.1	4.8	5.8
22	2.7	3.9	3.8	3.9	5.0	3.6	3.0	2.6	5.1	2.1	2.1	5.7
23	2.7	3.6	7.8	3.9	4.9	3.5	2.8	2.4	20	2.1	11	5.3
24	2.7	7.7	14	3.9	5.3	3.5	2.8	2.3	4.5	1.8	2.0	5.0
25	2.7	3.9	4.2	99	11	3.5	2.9	2.2	14	46	15	4.7
26	35	3.8	4.0	18	19	3.5	12	2.1	3.4	32	2.7	4.6
27	5.1	24	3.9	8.0	7.3	3.6	3.4	2.0	113	4.9	2.0	266
28	3.4	11	3.8	6.3	5.5	3.6	2.8	2.7	50	49	1.9	63
29	3.1	4.4	3.9	5.7	4.9	3.5	2.8	2.6	16	3.7	1.9	15
30	2.9	3.9	8.6	5.3	---	24	2.8	2.5	19	2.8	1.9	9.9
31	2.9	---	4.1	4.9	---	5.8	---	18	---	2.4	1.7	---
TOTAL	167.8	233.8	212.8	298.4	360.0	156.8	161.5	174.4	365.4	265.3	148.2	1183.3
MEAN	5.41	7.79	6.86	9.63	12.4	5.06	5.38	5.63	12.2	8.56	4.78	39.4
MAX	46	75	36	99	63	24	30	39	113	49	37	500
MIN	2.5	2.9	3.5	3.6	4.9	3.5	2.8	2.0	1.8	1.8	1.7	1.4
MED	2.9	3.8	4.3	4.4	5.9	4.1	3.3	2.7	4.0	2.9	2.2	5.5
AC-FT	333	464	422	592	714	311	320	346	725	526	294	2350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	5.41	7.79	6.86	9.63	12.4	5.06	5.38	19.5	14.9	12.1	4.33	23.4
MAX	5.41	7.79	6.86	9.63	12.4	5.06	5.38	33.4	17.6	15.5	4.78	39.4
(WY)	2004	2004	2004	2004	2004	2004	2004	2003	2003	2003	2004	2004
MIN	5.41	7.79	6.86	9.63	12.4	5.06	5.38	5.63	12.2	8.56	3.89	7.30
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	3727.7			
ANNUAL MEAN	10.2		10.2	
HIGHEST ANNUAL MEAN			10.2	2004
LOWEST ANNUAL MEAN			10.2	2004
HIGHEST DAILY MEAN	e 500	Sep 16	500	Sep 16 2004
LOWEST DAILY MEAN	1.4	Sep 13 a	1.4	Sep 13 2004
ANNUAL SEVEN-DAY MINIMUM	1.8	Sep 9	1.7	Aug 17 2003
MAXIMUM PEAK FLOW	1430	Sep 16	1430	Sep 16 2004
MAXIMUM PEAK STAGE	14.81	Sep 16	14.81	Sep 16 2004
ANNUAL RUNOFF (AC-FT)	7390		7380	
10 PERCENT EXCEEDS	18		18	
50 PERCENT EXCEEDS	3.9		3.9	
90 PERCENT EXCEEDS	2.1		2.1	

e Estimated
a Also Sep 14,15

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38* CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.42	5.45	5.50	5.53	5.58	5.61	5.56	5.72	5.47	5.84	5.43	5.51
2	5.42	5.45	5.50	5.52	5.89	5.60	5.54	6.06	5.44	5.96	5.59	5.69
3	5.42	5.45	5.50	5.51	5.73	5.59	5.53	5.57	5.42	5.62	5.50	5.42
4	5.42	5.46	5.66	5.50	5.62	5.59	5.52	5.51	5.42	5.59	5.42	5.38
5	5.41	5.71	5.54	5.97	5.60	5.58	5.51	5.50	5.40	5.53	5.61	5.37
6	5.43	5.67	5.52	5.70	6.17	5.80	5.52	5.49	5.40	5.51	5.52	5.36
7	5.46	5.52	5.52	5.58	5.75	5.60	5.52	5.47	5.55	5.49	5.41	---
8	6.06	5.48	5.52	5.56	5.66	5.58	5.54	5.47	5.48	5.49	5.40	---
9	5.50	5.47	5.55	5.71	5.64	5.58	5.52	5.47	5.43	5.47	5.40	---
10	5.47	5.46	6.05	5.57	5.63	5.57	5.51	5.47	5.42	5.76	5.40	5.51
11	5.46	5.47	5.64	5.55	5.62	5.57	5.64	5.47	5.40	5.59	5.42	5.48
12	5.45	5.47	5.55	5.54	6.33	5.57	5.75	5.49	5.39	5.50	5.99	5.46
13	5.45	5.47	5.68	5.55	5.75	5.56	6.02	5.61	5.69	5.48	5.49	5.45
14	5.46	5.48	5.86	5.54	6.00	5.56	5.62	5.48	5.64	5.46	5.43	5.45
15	5.45	5.49	5.60	5.53	6.00	5.56	5.55	5.45	5.77	5.45	5.46	5.43
16	5.45	5.49	5.57	5.53	5.77	5.59	5.54	5.70	5.61	5.45	5.49	7.73
17	5.49	5.55	5.80	5.53	5.70	5.55	5.53	5.72	5.56	5.48	5.42	6.51
18	5.48	5.56	5.56	5.75	5.67	5.55	5.53	5.59	5.44	5.46	5.40	6.10
19	5.45	6.38	5.56	5.56	5.65	5.55	5.51	5.50	5.41	5.43	5.40	6.01
20	5.45	5.60	5.53	5.53	5.64	5.55	5.51	5.47	5.40	5.43	5.47	5.96
21	5.45	5.54	5.51	5.52	5.64	5.59	5.50	5.45	5.87	5.42	5.53	5.94
22	5.44	5.52	5.52	5.52	5.62	5.54	5.50	5.46	5.61	5.42	5.41	5.93
23	5.43	5.50	5.58	5.52	5.61	5.54	5.49	---	5.79	5.42	5.65	5.91
24	5.43	5.64	5.75	5.52	5.63	5.53	5.48	5.43	5.58	5.38	5.41	5.90
25	5.44	5.52	5.54	6.63	5.76	5.53	5.49	5.43	5.72	5.78	5.67	5.88
26	6.00	5.51	5.53	5.92	5.93	5.54	5.74	5.42	5.53	5.99	5.47	5.88
27	5.58	5.81	5.52	5.71	5.71	5.54	5.53	5.41	6.54	5.59	5.40	7.75
28	5.48	5.77	5.52	5.64	5.64	5.54	5.48	5.45	6.18	6.11	5.39	6.61
29	5.46	5.55	5.52	5.62	5.62	5.53	5.48	5.46	5.86	5.54	5.39	6.17
30	5.45	5.52	5.66	5.60	---	5.91	5.48	5.45	5.82	5.48	5.39	6.07
31	5.45	---	5.53	5.58	---	5.63	---	5.75	---	5.45	5.37	---
MEAN	5.49	5.57	5.59	5.63	5.74	5.58	5.55	---	5.61	5.57	5.48	---
MAX	6.06	6.38	6.05	6.63	6.33	5.91	6.02	---	6.54	6.11	5.99	---
MIN	5.41	5.45	5.50	5.50	5.58	5.53	5.48	---	5.39	5.38	5.37	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38* CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	7.67	0.00	0.02
2	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.34	0.00	0.03	0.38	0.18
3	0.00	0.00	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.09	0.00	0.00
4	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
5	0.00	0.49	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.03	0.46	0.00
6	0.07	0.20	0.01	0.00	0.95	0.38	0.00	0.00	0.00	0.00	0.00	0.17
7	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.09	0.00	3.18
8	1.59	0.00	0.00	0.03	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.07
9	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.18	0.02	0.00	0.00	0.00
10	0.00	0.00	0.85	0.00	0.04	0.00	0.00	0.01	0.00	6.69	0.01	0.00
11	0.00	0.00	0.00	0.00	0.25	0.00	0.27	0.02	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.90	0.00	1.01	0.30	0.00	0.09	1.40	0.00
13	0.00	0.00	0.40	0.00	0.00	0.00	0.48	0.03	0.56	0.00	0.00	0.00
14	0.05	0.00	0.21	0.00	0.45	0.00	0.01	0.00	0.04	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	---	0.00	0.83	0.00
16	0.00	0.02	0.23	0.00	0.00	0.10	0.00	0.73	---	0.00	0.00	5.08
17	0.11	0.12	0.12	0.30	0.00	0.00	0.00	0.24	0.00	0.11	0.00	0.11
18	0.00	0.77	0.00	0.08	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
19	0.00	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00
21	0.00	0.00	0.00	0.00	0.03	0.07	0.00	0.00	1.07	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.64	0.00
23	0.00	0.00	0.46	0.00	0.00	0.00	0.00	---	0.42	0.00	0.01	0.00
24	0.00	0.30	0.00	0.01	0.06	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	0.00	2.00	---	0.00	0.00	0.00	0.36	3.27	0.53	0.00
26	1.38	0.00	0.00	0.02	---	0.00	0.61	0.00	0.02	0.04	0.00	0.00
27	0.00	1.04	0.00	0.00	---	0.00	0.00	0.00	2.82	0.34	0.00	4.94
28	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.24	1.04	---	0.00	0.00
29	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.02	0.00	---	0.02	0.00
30	0.00	0.00	0.16	0.00	---	0.98	0.04	0.00	8.13	---	0.00	0.0
31	0.00	---	0.01	0.00	---	0.12	---	0.66	---	0.00	0.00	---
TOTAL	3.36	4.72	2.87	3.59	---	1.65	2.48	---	---	---	4.42	13.75

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat. 33°44'20", long. 84°28'45", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, upstream side bridge on Peyton Road, 1.2 miles east of Interstate 285, and 3.0 miles upstream of confluence with South Utoy Creek.

DRAINAGE AREA.—6.38 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—June 3, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 3, 2003 to current year.
pH: June 3, 2003 to current year.
WATER TEMPERATURE: June 3, 2003 to current year.
DISSOLVED OXYGEN: June 3, 2003 to current year.
TURBIDITY: June 3, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity and dissolved oxygen which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 194 microsiemens, June 19, 2004; minimum recorded, 24 microsiemens, February 6, 2004.
pH: Maximum recorded, 7.8 units, March 14, 15, 2004; minimum recorded, 5.9 units, September 27, 2004.
WATER TEMPERATURE: Maximum recorded, 26.4°C, on several days; minimum recorded, 2.8°C, December 21, 2003.
DISSOLVED OXYGEN: Maximum recorded, 13.4 mg/L, December 21, 2003; minimum recorded, 4.8 mg/L, November 7, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, June 13, 2003; minimum recorded, <5.0 NTU, on many days.

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 194 microsiemens, June 19; minimum recorded, 24 microsiemens, February 6.

pH: Maximum recorded, 7.8 units, March 14, 15; minimum recorded, 5.9 units, September 27.

WATER TEMPERATURE: Maximum recorded, 26.4°C, on several days; minimum recorded, 2.8°C, December 21.

DISSOLVED OXYGEN: Maximum recorded, 13.4 mg/L, December 21; minimum recorded, 4.8 mg/L, November 7.

TURBIDITY: Maximum recorded, 1,800 NTU, June 27; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	135	132	133	139	137	138	135	133	134	140	135	136
2	137	134	135	139	137	138	---	---	---	140	136	138
3	135	130	132	139	137	138	144	139	140	141	138	139
4	135	132	134	140	138	139	141	98	127	142	138	140
5	138	133	135	141	55	121	124	102	111	143	38	108
6	137	135	135	124	64	90	136	124	131	126	76	106
7	139	132	136	113	89	95	138	135	136	136	126	132
8	135	37	75	130	106	121	138	135	137	140	136	136
9	120	90	107	131	128	129	137	131	136	137	82	109
10	133	120	127	133	131	132	135	43	89	135	100	122
11	142	133	137	133	132	132	118	86	105	139	135	136
12	146	141	143	133	131	132	126	118	121	139	137	138
13	149	146	148	133	131	133	126	71	119	140	136	138
14	150	136	145	133	131	132	109	54	81	139	134	137
15	137	134	135	133	131	132	131	109	123	139	136	137
16	135	130	133	134	130	132	133	102	130	139	137	138
17	138	133	134	142	127	136	122	63	84	138	126	137
18	141	132	138	155	115	130	121	95	110	141	71	97
19	138	130	134	155	35	80	123	121	123	137	108	123
20	140	137	138	125	101	117	126	122	123	143	137	139
21	144	140	142	130	125	128	127	124	126	143	137	140
22	144	139	141	135	130	132	128	125	127	139	136	138
23	142	138	141	137	135	136	127	111	125	142	138	140
24	143	141	142	140	94	126	113	56	71	143	138	141
25	143	141	142	115	90	98	116	90	106	140	49	84
26	142	53	105	134	115	127	119	116	117	117	63	98
27	105	61	86	135	57	116	121	119	120	125	117	122
28	---	---	---	111	62	90	121	120	121	130	125	128
29	136	130	133	123	109	114	123	119	121	131	129	130
30	138	136	137	133	123	128	---	---	---	131	129	130
31	139	138	138	---	---	---	136	96	121	131	129	130
MONTH	---	---	---	155	35	123	---	---	---	143	38	128

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	133	130	131	147	145	146	146	120	131	153	48	110
2	133	45	108	147	144	146	157	146	152	104	37	80
3	116	67	98	148	145	146	159	155	157	139	104	121
4	128	116	124	148	144	146	---	---	---	149	139	143
5	129	127	128	148	144	146	148	142	144	154	147	150
6	---	---	---	148	81	115	143	137	141	160	151	154
7	---	---	---	143	111	131	---	---	---	160	139	153
8	---	---	---	149	142	145	147	140	145	141	140	140
9	---	---	---	151	144	145	147	139	143	146	141	144
10	---	---	---	146	142	144	147	141	143	144	135	138
11	---	---	---	145	141	143	150	99	127	141	139	140
12	---	---	---	145	141	143	132	38	107	147	116	138
13	---	---	---	146	141	144	104	47	76	142	101	132
14	---	---	---	147	141	144	131	104	120	123	99	106
15	---	---	---	149	140	144	134	128	131	145	123	137
16	---	---	---	149	141	145	137	132	134	144	54	122
17	---	---	---	149	139	144	137	134	136	123	64	89
18	---	---	---	148	141	144	139	135	137	118	73	96
19	150	148	149	148	142	145	143	137	139	135	118	126
20	149	148	148	149	142	146	147	140	143	141	135	138
21	150	147	148	151	146	148	147	143	145	144	141	142
22	151	148	149	148	138	142	148	142	145	146	143	144
23	149	148	149	147	142	145	148	144	146	---	---	---
24	149	146	148	147	142	145	149	145	147	147	141	143
25	149	104	134	147	142	145	152	144	147	152	145	148
26	133	82	99	148	142	145	152	80	122	151	145	147
27	141	108	127	147	143	146	131	84	107	147	144	145
28	145	138	141	149	142	146	147	131	139	146	133	144
29	146	144	145	149	143	146	153	147	149	148	142	146
30	---	---	---	149	69	102	154	152	153	149	140	145
31	---	---	---	141	110	126	---	---	---	144	45	91
MONTH	---	---	---	151	69	142	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	125	92	109	131	51	91	139	136	137	147	88	130
2	139	125	134	122	55	96	139	83	129	102	58	78
3	144	139	140	141	122	134	102	82	90	102	83	90
4	143	140	141	146	141	142	131	102	117	135	99	120
5	143	140	141	145	124	135	133	57	116	142	135	139
6	145	142	143	145	135	141	96	62	83	144	142	143
7	145	90	133	146	143	144	121	96	110	---	---	---
8	102	88	92	148	142	144	130	121	127	---	---	---
9	129	102	116	145	141	143	131	129	130	---	---	---
10	139	129	134	146	51	121	134	131	133	131	126	128
11	144	139	140	119	74	100	135	134	134	133	129	130
12	145	143	144	140	119	131	136	41	75	134	131	132
13	145	68	88	143	138	140	112	79	96	136	131	134
14	---	---	---	145	139	142	127	112	120	136	133	135
15	---	---	---	145	143	144	133	77	124	136	131	134
16	---	---	---	147	141	144	133	103	126	---	---	---
17	163	147	154	147	142	144	128	116	120	---	---	---
18	187	163	174	147	143	145	137	128	132	---	---	---
19	194	187	190	145	141	143	---	---	---	---	---	---
20	192	162	167	146	142	144	142	119	140	---	---	---
21	171	67	125	146	142	144	119	71	77	---	---	---
22	106	76	92	146	142	144	116	83	99	149	148	148
23	132	40	100	145	142	144	116	59	76	150	147	149
24	112	63	91	146	140	143	117	88	102	153	149	150
25	125	51	94	145	42	131	125	58	98	154	152	152
26	117	80	99	106	48	79	103	72	89	156	152	155
27	127	31	88	110	72	93	130	103	117	160	27	113
28	99	39	74	106	35	82	137	130	134	119	45	96
29	120	58	95	123	106	117	137	135	136	129	119	125
30	132	49	115	132	123	127	139	136	137	135	129	132
31	---	---	---	136	132	134	141	137	138	---	---	---
MONTH	---	---	---	148	35	129	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.2	7.1	7.2	7.1	7.1	7.1	7.1	7.0	7.0	7.2	7.1	7.2
2	7.2	7.1	7.2	7.1	7.1	7.1	---	---	---	7.3	7.1	7.2
3	7.2	7.1	7.2	7.2	7.1	7.1	7.0	6.9	7.0	7.3	7.2	7.2
4	7.2	7.1	7.2	7.2	7.0	7.1	7.2	6.9	7.0	7.4	7.2	7.2
5	7.3	7.1	7.2	7.2	6.8	7.0	7.0	6.9	6.9	7.3	6.6	7.2
6	7.2	7.1	7.2	7.0	6.8	6.8	7.1	7.0	7.1	7.1	6.9	7.1
7	7.2	7.1	7.2	6.9	6.8	6.8	7.2	7.0	7.2	7.2	7.1	7.2
8	7.1	6.8	6.8	7.0	6.9	7.0	7.2	7.1	7.2	7.2	6.7	7.2
9	7.0	6.9	7.0	7.1	7.0	7.1	7.2	7.1	7.2	7.3	6.9	7.1
10	7.1	7.0	7.1	7.1	7.0	7.1	7.2	6.8	7.0	7.2	7.0	7.1
11	7.2	7.1	7.1	7.1	7.0	7.1	7.1	7.0	7.1	7.2	7.2	7.2
12	7.2	7.1	7.1	7.1	7.0	7.0	7.2	7.1	7.1	7.2	7.1	7.2
13	7.2	7.1	7.1	7.1	7.0	7.0	7.2	7.0	7.2	7.2	7.1	7.2
14	7.2	7.1	7.1	7.1	7.0	7.1	7.0	6.9	7.0	7.3	7.1	7.2
15	7.2	7.1	7.2	7.1	7.0	7.1	7.1	7.0	7.1	7.3	7.2	7.2
16	7.2	7.0	7.1	7.1	7.0	7.1	7.3	7.1	7.1	7.3	7.2	7.2
17	7.2	7.1	7.2	7.1	7.0	7.0	7.2	7.0	7.0	7.3	7.1	7.2
18	7.2	7.0	7.2	7.1	6.9	7.0	7.2	7.1	7.2	7.2	6.8	6.9
19	7.2	7.0	7.1	7.0	6.6	6.7	7.3	7.2	7.3	7.2	6.9	7.1
20	7.2	7.1	7.1	6.9	6.8	6.9	7.3	7.2	7.3	7.1	7.1	7.1
21	7.2	7.1	7.2	7.0	6.9	7.0	7.3	7.2	7.2	7.2	7.0	7.1
22	7.2	7.1	7.1	7.0	6.9	7.0	7.3	7.2	7.2	7.2	7.1	7.1
23	7.2	7.1	7.2	6.9	6.8	6.9	7.3	7.2	7.2	7.2	7.1	7.1
24	7.2	7.2	7.2	7.1	6.7	6.8	7.2	6.9	7.0	7.2	7.0	7.1
25	7.3	7.2	7.2	6.9	6.7	6.7	7.2	7.1	7.2	7.1	6.6	6.8
26	7.2	6.8	7.0	7.0	6.8	7.0	7.4	7.2	7.3	7.0	6.8	7.0
27	7.0	6.8	6.9	7.0	6.8	7.0	7.4	7.3	7.3	7.1	7.0	7.0
28	7.1	7.0	7.0	7.0	6.8	6.9	7.4	7.3	7.3	7.1	7.0	7.1
29	7.0	7.0	7.0	7.0	6.9	7.0	7.4	7.3	7.4	7.1	7.0	7.1
30	7.1	7.0	7.1	7.1	7.0	7.0	7.4	6.8	7.1	7.1	7.0	7.1
31	7.1	7.0	7.1	---	---	---	7.2	6.9	7.0	7.2	7.0	7.1
MAX	7.3	7.2	7.2	7.2	7.1	7.1	---	---	---	7.4	7.2	7.2
MIN	7.0	6.8	6.8	6.9	6.6	6.7	---	---	---	7.0	6.6	6.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.2	7.1	7.1	7.3	7.1	7.2	7.1	6.9	7.0	7.0	6.4	6.8
2	7.1	6.6	7.1	7.5	7.1	7.2	7.2	7.0	7.1	6.8	6.3	6.6
3	7.0	6.8	6.9	7.5	7.1	7.2	7.2	7.1	7.2	6.8	6.5	6.7
4	7.1	6.9	7.0	7.6	7.1	7.2	7.2	7.1	7.2	7.0	6.7	6.7
5	7.1	7.0	7.0	7.6	7.1	7.2	7.2	7.1	7.2	7.0	6.7	6.8
6	7.1	6.6	6.8	7.2	6.9	7.0	7.3	7.2	7.2	7.0	6.7	6.8
7	7.0	6.8	7.0	7.3	6.9	7.2	---	---	---	7.0	6.7	6.8
8	7.0	7.0	7.0	7.4	7.1	7.2	7.0	6.8	6.9	7.0	6.7	6.8
9	7.1	7.0	7.0	7.4	7.2	7.2	6.9	6.7	6.8	7.0	6.6	6.7
10	7.1	7.0	7.0	7.5	7.2	7.2	7.0	6.7	6.8	7.0	6.6	6.7
11	7.1	7.0	7.0	7.5	7.2	7.2	6.9	6.4	6.8	6.9	6.6	6.7
12	7.1	6.6	6.8	7.6	7.2	7.3	6.7	6.2	6.6	6.8	6.3	6.6
13	7.0	6.9	7.0	7.6	7.2	7.3	6.6	6.3	6.5	6.9	6.3	6.6
14	7.2	6.9	7.0	7.8	7.2	7.3	6.8	6.6	6.7	6.6	6.3	6.5
15	7.1	6.8	6.9	7.8	7.1	7.2	6.9	6.7	6.8	6.9	6.5	6.7
16	7.1	6.9	7.0	7.6	7.1	7.2	6.9	6.7	6.8	7.0	6.2	6.7
17	7.2	7.0	7.1	7.5	7.1	7.2	6.9	6.7	6.8	6.6	6.2	6.4
18	7.2	7.1	7.1	7.5	7.1	7.2	6.9	6.7	6.8	6.7	6.2	6.5
19	7.2	7.1	7.1	7.5	7.1	7.2	7.0	6.7	6.8	6.8	6.6	6.7
20	7.2	7.1	7.1	7.5	7.1	7.2	7.1	6.7	6.8	7.0	6.7	6.8
21	7.2	7.1	7.2	7.5	7.0	7.2	7.1	6.6	6.7	7.1	6.8	6.8
22	7.2	7.1	7.2	7.6	7.0	7.2	7.2	6.7	6.8	7.2	6.8	6.9
23	7.2	7.1	7.2	7.6	7.2	7.3	7.2	6.7	6.8	7.2	6.7	6.9
24	7.3	7.1	7.2	7.3	7.1	7.2	7.1	6.7	6.8	7.2	6.7	6.9
25	7.4	7.0	7.1	7.4	7.0	7.2	7.2	6.7	6.8	7.2	6.8	6.9
26	7.2	6.9	7.1	7.5	7.1	7.2	6.9	6.4	6.7	7.2	6.8	6.9
27	7.2	7.0	7.1	7.6	6.6	7.2	6.8	6.4	6.6	7.2	6.7	6.9
28	7.3	7.1	7.2	7.5	6.6	7.2	7.0	6.7	6.8	7.2	6.8	6.9
29	7.3	7.1	7.2	7.4	6.7	7.2	7.1	6.8	6.9	7.1	6.7	6.9
30	---	---	---	7.2	6.9	6.9	7.0	6.8	6.9	7.1	6.7	6.8
31	---	---	---	7.2	6.9	7.1	---	---	---	6.8	6.3	6.6
MAX	7.4	7.1	7.2	7.8	7.2	7.3	---	---	---	7.2	6.8	6.9
MIN	7.0	6.6	6.8	7.2	6.6	6.9	---	---	---	6.6	6.2	6.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.8	6.6	6.8	6.9	6.5	6.7	6.8	6.6	6.6	6.9	6.2	6.7
2	7.0	6.7	6.9	6.9	6.5	6.8	6.9	6.2	6.6	6.5	6.2	6.3
3	7.0	6.7	6.8	7.0	6.8	7.0	6.4	6.1	6.3	6.5	6.3	6.3
4	7.0	6.7	6.8	7.0	7.0	7.0	6.6	6.3	6.6	6.6	6.3	6.5
5	7.0	6.7	6.8	7.0	6.8	7.0	6.8	6.1	6.6	6.7	6.4	6.6
6	7.1	6.8	6.8	7.0	6.9	6.9	6.4	6.1	6.3	6.7	6.5	6.6
7	7.1	6.4	6.8	7.0	6.9	6.9	6.6	6.3	6.5	---	---	---
8	6.6	6.3	6.4	7.2	6.8	7.0	6.7	6.5	6.6	---	---	---
9	6.8	6.6	6.7	7.2	7.0	7.1	6.8	6.5	6.7	---	---	---
10	7.0	6.7	6.8	7.3	6.6	7.1	6.8	6.6	6.7	6.6	6.4	6.6
11	7.0	6.7	6.8	6.8	6.6	6.8	6.9	6.6	6.7	6.7	6.5	6.6
12	7.0	6.8	6.8	7.0	6.8	7.0	6.7	6.3	6.4	6.7	6.6	6.6
13	6.8	6.2	6.4	7.0	6.7	7.0	6.7	6.5	6.6	6.7	6.4	6.6
14	---	---	---	7.0	6.7	6.8	6.8	6.6	6.7	6.7	6.4	6.5
15	---	---	---	7.0	6.8	6.8	6.9	6.4	6.7	6.7	6.6	6.6
16	---	---	---	7.0	6.7	6.8	7.0	6.6	6.8	---	---	---
17	6.7	6.5	6.6	7.0	6.8	6.8	6.8	6.6	6.8	---	---	---
18	6.7	6.5	6.6	7.0	6.7	6.8	7.0	6.7	6.9	---	---	---
19	6.9	6.6	6.7	7.0	6.7	6.8	---	---	---	---	---	---
20	7.0	6.6	6.8	7.1	6.8	6.8	7.0	6.7	6.9	---	---	---
21	6.9	6.4	6.8	7.2	6.7	6.8	6.8	6.3	6.4	---	---	---
22	6.7	6.4	6.6	7.2	6.7	6.8	6.7	6.4	6.6	6.6	6.4	6.5
23	6.9	6.4	6.7	7.1	6.7	6.8	6.6	6.1	6.3	6.6	6.4	6.5
24	6.8	6.5	6.7	7.0	6.7	6.8	6.6	6.3	6.4	6.5	6.4	6.4
25	6.9	6.5	6.7	7.1	6.0	6.8	6.7	6.1	6.5	6.6	6.4	6.5
26	6.8	6.6	6.8	6.6	6.1	6.4	6.5	6.2	6.4	6.7	6.4	6.5
27	7.0	6.2	6.8	6.6	6.3	6.4	6.7	6.4	6.6	6.6	5.9	6.5
28	6.7	6.4	6.6	6.5	6.0	6.4	6.7	6.5	6.6	6.3	6.1	6.2
29	6.8	6.5	6.7	6.6	6.5	6.6	6.7	6.6	6.6	6.4	6.2	6.3
30	6.8	6.5	6.8	6.7	6.6	6.6	6.8	6.6	6.7	6.4	6.3	6.3
31	---	---	---	6.7	6.6	6.6	6.9	6.6	6.7	---	---	---
MAX	---	---	---	7.3	7.0	7.1	---	---	---	---	---	---
MIN	---	---	---	6.5	6.0	6.4	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.1	14.1	15.5	16.5	13.7	15.1	8.9	6.0	7.4	8.3	5.2	6.7
2	16.2	13.4	14.8	16.6	13.8	15.3	8.8	6.4	7.6	9.6	7.1	8.3
3	15.4	12.7	14.1	16.6	13.7	15.2	7.6	6.6	7.2	12.0	8.9	10.6
4	16.6	13.3	15.0	17.7	15.5	16.6	7.5	6.7	7.1	13.6	11.1	12.3
5	17.6	14.5	16.2	21.2	17.3	18.6	7.7	6.8	7.3	14.5	11.6	13.5
6	18.4	16.3	17.3	20.3	19.4	19.8	7.5	6.1	6.8	11.6	6.5	9.1
7	18.8	17.4	18.0	19.9	17.4	18.8	7.0	4.9	5.9	6.5	3.9	5.0
8	19.1	18.1	18.5	17.4	15.9	16.4	7.2	4.6	5.9	4.9	3.2	4.1
9	19.4	18.0	18.6	15.9	13.7	15.1	8.3	5.4	6.9	6.9	4.8	5.9
10	19.4	18.3	18.7	14.0	12.0	13.1	12.0	8.3	10.1	5.9	4.4	5.4
11	18.5	18.0	18.2	14.2	11.4	12.9	9.0	6.7	7.9	5.5	3.2	4.3
12	19.9	17.8	18.7	16.0	12.7	14.4	7.9	5.7	6.7	6.5	3.4	4.8
13	19.7	17.3	18.6	15.3	11.1	13.5	8.3	6.0	6.8	8.2	5.3	6.6
14	20.0	17.5	18.9	11.3	9.1	10.3	7.9	6.3	6.9	9.1	6.2	7.6
15	17.5	15.0	16.3	11.8	8.8	10.3	8.0	6.1	7.0	9.3	7.4	8.6
16	15.9	13.0	14.6	13.7	10.1	11.9	9.4	5.9	7.5	8.3	5.8	7.1
17	14.6	12.8	13.9	16.2	13.3	14.7	10.2	6.5	8.4	7.7	6.0	6.9
18	15.5	13.0	14.3	17.4	15.0	16.1	7.4	5.2	6.4	10.0	7.5	9.3
19	15.7	12.7	14.3	18.2	14.8	17.0	7.2	5.5	6.4	9.4	5.4	7.7
20	16.2	13.2	14.8	14.8	12.5	13.5	5.6	4.0	4.9	5.9	3.8	4.9
21	17.1	13.8	15.5	13.7	11.0	12.4	5.2	2.8	4.0	6.1	3.4	4.7
22	17.2	14.9	16.1	13.5	10.8	12.2	6.3	3.3	4.8	6.6	3.7	5.1
23	16.4	13.7	15.2	13.8	11.0	12.4	10.5	5.0	6.8	6.0	3.9	5.0
24	16.1	13.7	15.0	13.7	10.8	12.9	11.1	6.9	9.3	7.9	4.0	5.8
25	16.7	14.4	15.4	10.8	8.4	9.5	6.9	5.2	6.0	10.0	5.9	8.1
26	18.1	15.7	16.9	10.4	7.6	9.1	6.6	4.1	5.3	6.5	6.0	6.3
27	17.8	14.9	16.8	13.6	9.5	11.0	6.8	4.1	5.4	8.2	5.7	6.7
28	14.9	13.0	13.9	13.5	9.9	12.5	7.4	4.5	5.9	5.9	4.0	4.9
29	14.9	12.4	13.7	9.9	7.0	8.4	9.4	6.1	7.6	6.0	3.1	4.5
30	15.2	12.1	13.7	8.2	5.6	6.9	10.4	7.4	9.3	7.8	4.6	6.1
31	15.9	13.1	14.6	---	---	---	7.9	5.5	6.7	7.2	4.7	5.9
MONTH	20.0	12.1	16.0	21.2	5.6	13.5	12.0	2.8	6.8	14.5	3.1	6.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.5	4.6	6.0	13.9	9.0	11.3	14.0	10.2	12.0	20.3	17.5	18.6
2	6.4	4.5	5.7	15.7	12.6	13.9	15.1	10.0	12.5	19.4	16.8	18.6
3	8.0	4.9	6.2	16.4	13.3	14.7	17.1	11.3	14.0	16.9	14.2	15.7
4	7.8	5.1	6.3	17.0	14.1	15.3	16.4	11.8	13.8	16.9	12.3	14.6
5	7.0	6.2	6.7	16.8	14.5	15.6	16.2	10.8	13.3	18.6	13.3	15.9
6	8.5	6.3	7.3	18.0	15.3	16.4	17.3	11.2	14.0	20.5	15.6	17.9
7	8.3	5.4	6.9	17.0	13.3	14.9	17.6	12.3	14.9	21.4	16.7	18.9
8	7.1	4.3	5.7	14.3	10.8	12.5	17.6	14.6	15.9	22.0	17.2	19.5
9	7.4	5.5	6.3	12.4	9.5	10.8	18.7	13.7	16.0	22.4	18.3	20.1
10	8.0	6.2	7.1	12.4	8.4	10.2	17.6	13.0	15.4	22.2	18.5	20.1
11	9.0	7.7	8.3	13.2	7.8	10.4	16.6	14.4	15.6	20.7	18.9	19.8
12	8.7	6.6	7.6	14.0	9.2	11.3	17.8	14.9	16.2	22.2	18.9	19.8
13	9.5	6.6	8.1	14.1	9.3	11.4	15.2	11.8	14.2	21.5	19.3	20.2
14	9.1	8.4	8.9	15.2	10.9	12.8	14.6	10.7	12.3	22.0	19.9	20.7
15	9.3	8.3	8.8	16.9	13.3	14.8	16.6	10.8	13.5	22.3	19.1	20.5
16	8.5	7.3	8.0	17.5	13.9	15.4	18.0	11.9	14.7	23.0	19.1	20.9
17	8.6	7.2	7.8	16.3	12.3	14.0	19.1	13.4	16.1	22.2	20.2	21.1
18	9.8	6.4	7.8	14.4	11.2	12.8	20.1	14.6	17.1	22.4	20.4	21.0
19	10.2	6.2	8.1	17.5	11.5	14.3	20.6	15.5	17.9	22.4	19.6	20.9
20	10.4	7.7	9.1	18.1	12.8	15.3	20.3	16.4	18.2	22.6	19.6	21.1
21	12.6	9.8	10.9	17.3	12.3	15.4	19.3	16.5	17.8	24.0	20.0	21.9
22	11.5	8.1	9.7	13.8	9.8	11.6	20.8	16.3	18.4	23.1	21.0	21.8
23	9.8	8.3	9.1	13.3	7.7	10.4	21.1	16.8	18.8	24.0	20.4	21.9
24	10.7	9.5	10.0	14.7	9.0	11.7	21.3	17.1	19.1	23.2	19.9	21.5
25	10.4	8.7	9.8	17.0	10.9	13.7	21.6	17.7	19.5	24.3	20.7	22.4
26	8.7	5.7	6.3	18.7	13.0	15.6	19.6	17.1	18.4	24.7	21.2	22.8
27	7.5	5.8	6.5	18.3	13.9	16.0	18.6	15.1	16.7	24.6	21.2	22.8
28	10.1	5.5	7.5	19.7	14.2	16.8	18.2	13.2	15.7	24.2	21.3	22.6
29	10.8	6.7	8.6	17.8	15.6	16.4	18.9	14.7	16.7	22.9	21.4	22.0
30	---	---	---	18.5	14.7	16.3	18.7	17.1	17.8	24.3	21.1	22.5
31	---	---	---	15.7	12.1	14.2	---	---	---	22.7	20.8	21.7
MONTH	12.6	4.3	7.8	19.7	7.7	13.7	21.6	10.0	15.9	24.7	12.3	20.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.4	20.1	20.7	24.2	21.7	22.5	25.9	23.5	24.6	23.8	22.5	23.2
2	20.8	19.2	20.1	23.3	22.1	22.6	25.9	23.5	24.5	23.4	22.4	22.9
3	21.8	18.7	20.2	24.0	22.1	22.8	26.2	23.5	24.8	23.5	21.9	22.6
4	22.9	19.8	21.1	25.0	22.0	23.3	26.2	23.2	24.7	23.4	21.3	22.3
5	22.3	18.8	20.6	25.7	22.7	24.1	25.8	23.0	24.4	23.4	21.3	22.3
6	23.1	19.7	21.3	25.7	22.9	24.0	24.8	22.6	23.9	22.8	21.6	22.2
7	22.8	20.2	21.3	24.9	22.0	23.4	23.6	20.7	22.1	---	---	---
8	22.1	21.0	21.5	25.4	22.2	23.6	23.0	19.6	21.3	---	---	---
9	22.2	21.0	21.5	25.0	22.4	23.7	22.4	19.6	21.1	---	---	---
10	24.0	20.9	22.3	26.4	22.7	24.2	21.5	20.5	21.0	23.2	20.9	22.0
11	25.1	21.4	23.2	26.4	23.9	25.1	23.0	19.8	21.4	23.1	20.9	22.0
12	25.9	22.1	23.9	26.0	23.4	24.4	23.1	21.2	22.3	23.4	21.2	22.1
13	24.0	23.0	23.5	25.8	22.9	24.3	22.5	20.0	21.1	22.4	21.1	21.7
14	---	---	---	26.3	23.1	24.6	21.6	18.3	20.1	22.1	20.4	21.2
15	---	---	---	25.9	23.2	24.3	22.7	19.5	20.9	21.2	20.4	20.9
16	---	---	---	24.4	21.8	23.1	23.3	20.9	22.0	---	---	---
17	25.3	22.7	23.9	24.1	22.3	23.1	23.8	21.1	22.4	---	---	---
18	25.8	23.0	24.3	25.6	22.7	23.9	23.8	20.9	22.4	---	---	---
19	26.4	23.3	24.7	25.0	21.9	23.3	24.0	20.9	22.5	---	---	---
20	26.2	22.7	24.3	24.3	21.1	22.8	24.2	21.4	22.7	---	---	---
21	25.1	23.1	23.9	25.0	21.4	23.2	23.9	22.7	23.2	---	---	---
22	25.9	23.2	24.2	25.1	22.0	23.5	24.7	22.2	23.3	19.7	17.1	18.4
23	24.8	22.7	23.6	26.1	22.6	24.2	24.3	22.9	23.6	20.2	17.4	18.9
24	23.8	22.8	23.3	26.2	22.9	24.5	24.5	22.1	23.3	20.9	18.5	19.7
25	25.0	22.3	23.4	26.0	23.3	24.6	24.1	22.5	23.2	21.3	19.1	20.2
26	23.9	22.6	23.2	24.8	23.3	24.0	24.6	22.3	23.4	20.9	18.8	20.0
27	24.4	22.1	23.0	24.5	23.2	23.8	24.8	22.1	23.4	20.6	19.3	20.0
28	23.1	22.1	22.5	25.2	23.2	24.0	25.0	22.3	23.6	20.7	19.7	20.2
29	23.1	21.6	22.4	24.4	22.6	23.4	24.7	22.5	23.5	20.4	19.2	19.8
30	22.7	21.8	22.3	25.2	22.9	23.9	25.0	22.3	23.6	20.1	18.2	19.2
31	---	---	---	25.3	23.2	24.2	24.9	22.3	23.5	---	---	---
MONTH	---	---	---	26.4	21.1	23.8	26.2	18.3	22.8	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.9	9.6	10.2	8.0	7.2	7.6	11.6	11.0	11.3	11.7	10.6	11.1
2	11.1	9.6	10.3	7.9	7.1	7.5	11.7	11.0	11.3	11.3	10.1	10.7
3	11.3	9.9	10.5	8.0	6.9	7.4	11.7	11.1	11.4	10.8	9.3	10.1
4	11.0	9.3	10.2	7.8	6.5	7.1	11.6	10.7	11.2	10.7	8.8	9.6
5	10.5	8.9	9.7	7.1	5.6	6.3	11.2	10.8	11.0	9.5	8.4	8.9
6	10.4	8.4	9.3	6.1	5.3	5.7	11.9	11.1	11.5	10.8	9.2	10.1
7	9.3	8.0	8.6	5.8	4.8	5.3	12.2	11.5	11.8	12.0	10.8	11.6
8	---	---	---	7.1	5.7	6.5	12.3	11.6	11.9	12.4	11.7	12.1
9	---	---	---	7.7	6.5	7.1	12.2	11.2	11.7	11.8	10.9	11.3
10	---	---	---	8.5	7.3	7.9	11.2	9.7	10.3	12.0	10.9	11.5
11	---	---	---	8.8	7.5	8.1	11.3	10.2	10.9	12.6	11.7	12.1
12	---	---	---	8.3	7.1	7.8	11.8	11.3	11.5	12.7	11.4	12.0
13	---	---	---	8.4	7.0	7.7	11.9	10.6	11.5	12.1	10.9	11.5
14	---	---	---	9.5	7.7	8.7	11.7	10.7	11.4	12.0	10.3	11.2
15	---	---	---	9.4	8.3	8.8	11.8	11.0	11.5	11.5	10.1	10.8
16	---	---	---	9.5	7.6	8.5	12.0	10.8	11.5	12.3	10.7	11.4
17	---	---	---	8.2	6.7	7.5	11.2	10.1	10.6	12.6	10.9	11.6
18	---	---	---	7.6	6.2	6.7	12.0	11.1	11.6	11.3	9.6	10.4
19	---	---	---	7.1	6.3	6.8	12.1	11.5	11.8	---	---	---
20	---	---	---	7.9	7.0	7.6	12.9	12.0	12.5	---	---	---
21	---	---	---	8.5	7.8	8.2	13.4	12.7	13.0	---	---	---
22	---	---	---	8.7	8.1	8.4	13.2	12.1	12.7	---	---	---
23	---	---	---	8.8	8.1	8.5	12.4	10.2	11.9	---	---	---
24	---	---	---	8.4	7.0	7.9	10.8	9.5	10.1	---	---	---
25	---	---	---	9.5	7.8	9.0	12.3	10.8	11.8	---	---	---
26	---	---	---	10.4	9.5	10	12.8	11.9	12.3	---	---	---
27	---	---	---	9.8	8.6	9.5	13.1	11.9	12.4	---	---	---
28	---	---	---	9.5	8.4	8.8	12.9	11.8	12.3	---	---	---
29	8.1	7.6	7.8	10.9	9.5	10.3	12.4	10.8	11.8	---	---	---
30	8.2	7.5	7.9	11.7	10.9	11.3	10.9	9.2	9.8	---	---	---
31	8.1	7.4	7.7	---	---	---	11.2	9.7	10.6	---	---	---
MONTH	---	---	---	11.7	4.8	8.0	13.4	9.2	11.5	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	11.2	8.8	10	8.5	7.6	8.1	8.1	6.1	6.7
2	---	---	---	11.1	8.2	9.3	9.7	8.1	8.8	8.1	6.9	7.2
3	---	---	---	11.4	8.1	9.4	9.7	8.0	8.7	7.9	6.5	7.5
4	---	---	---	11.6	7.9	9.3	9.3	6.3	8.0	8.8	7.9	8.3
5	---	---	---	11.4	7.8	9.1	9.4	6.7	8.2	8.6	7.4	8.1
6	---	---	---	8.7	7.3	7.9	---	---	---	8.1	6.7	7.5
7	---	---	---	10.4	7.4	8.7	---	---	---	7.9	6.6	7.2
8	---	---	---	11.3	8.3	9.6	9.6	7.5	8.4	7.9	6.4	7.1
9	---	---	---	11.7	9.0	10.1	9.6	6.9	8.1	8.0	6.1	6.9
10	---	---	---	12.2	9.3	10.4	9.8	7.0	8.2	8.0	6.1	7.0
11	---	---	---	12.5	9.3	10.6	---	---	---	8.0	6.4	7.0
12	---	---	---	12.3	9.2	10.3	---	---	---	8.0	6.3	6.9
13	---	---	---	12.6	9.0	10.4	8.9	8.0	8.5	8.4	5.3	6.6
14	---	---	---	12.6	8.4	10.2	9.7	8.9	9.2	6.6	5.2	6.0
15	---	---	---	12.2	7.8	9.5	9.8	8.7	9.3	7.7	6.5	7.1
16	---	---	---	11.2	7.4	8.9	9.8	8.4	9.1	8.2	6.4	7.3
17	---	---	---	11.8	7.6	9.2	9.6	8.4	9.0	7.4	6.2	6.7
18	---	---	---	12.2	8.1	9.7	9.8	8.1	8.8	6.8	5.9	6.4
19	10.9	10.0	10.4	12.0	7.8	9.4	9.8	7.9	8.8	7.6	6.8	7.2
20	11.0	9.5	10.1	11.9	7.4	9.2	9.5	7.6	8.5	8.2	7.4	7.8
21	10.2	9.3	9.6	11.1	6.9	8.7	9.5	7.6	8.3	8.4	7.2	7.8
22	10.9	9.4	10.1	11.8	6.6	9.1	9.3	7.3	8.1	8.5	7.2	7.7
23	10.9	9.7	10.2	11.8	8.9	10.1	9.0	7.2	8.0	8.7	6.6	7.7
24	10.8	9.4	9.9	11.7	8.7	10	8.9	7.1	7.8	8.7	6.6	7.6
25	10.7	9.0	9.6	11.6	8.0	9.6	8.9	6.8	7.7	8.6	6.7	7.5
26	11.5	9.4	10.6	11.2	7.6	9.0	7.8	6.0	6.7	8.6	6.7	7.4
27	11.7	10.5	10.9	10.8	7.5	8.7	7.5	6.0	6.9	8.5	6.6	7.3
28	11.6	10.2	10.8	10.5	7.2	8.5	8.4	6.8	7.6	8.7	6.6	7.4
29	11.8	9.8	10.7	10.2	7.2	8.2	8.6	6.9	7.7	8.3	6.0	7.2
30	---	---	---	8.7	7.0	7.8	8.1	6.5	7.3	8.1	5.6	6.8
31	---	---	---	9.0	7.1	8.2	---	---	---	---	---	---
MONTH	---	---	---	12.6	6.6	9.3	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.9	7.0	7.4	8.1	6.9	7.4	---	---	---
2	---	---	---	8.1	7.5	7.8	8.4	5.2	7.3	---	---	---
3	---	---	---	7.8	7.5	7.7	6.3	4.9	5.7	---	---	---
4	8.4	7.2	7.7	7.8	7.6	7.7	7.5	5.9	6.7	7.5	6.0	6.7
5	8.7	7.2	7.8	7.7	7.2	7.5	8.0	5.4	6.7	7.7	6.4	6.9
6	8.9	7.0	7.8	8.2	7.3	7.7	6.1	5.2	5.7	7.6	6.2	6.8
7	8.9	5.6	7.4	---	---	---	7.2	5.8	6.7	---	---	---
8	6.2	5.1	5.6	---	---	---	8.1	6.8	7.4	---	---	---
9	7.1	5.7	6.5	---	---	---	8.8	7.1	7.9	---	---	---
10	7.7	6.2	6.9	---	---	---	8.7	6.5	7.9	7.4	6.4	7.0
11	7.8	6.0	6.7	---	---	---	9.3	7.4	8.2	7.0	5.9	6.5
12	7.8	6.1	6.8	---	---	---	8.1	6.8	7.3	7.7	6.1	6.6
13	6.8	4.9	5.6	---	---	---	7.5	6.8	7.2	8.0	6.4	7.1
14	---	---	---	8.0	6.4	7.0	8.1	7.3	7.7	9.1	6.8	7.9
15	---	---	---	8.2	6.5	7.1	8.3	7.0	7.7	8.8	7.4	8.0
16	---	---	---	7.7	6.2	6.9	8.0	6.5	7.3	---	---	---
17	6.9	5.3	6.2	8.1	6.2	7.0	7.9	5.6	7.0	---	---	---
18	6.6	5.4	6.1	8.7	6.3	7.3	8.8	6.6	7.6	---	---	---
19	6.9	5.3	6.2	9.1	6.3	7.5	9.5	7.0	8.1	---	---	---
20	7.6	5.8	6.6	9.7	6.9	8.0	9.8	7.2	8.3	---	---	---
21	7.7	5.9	6.4	9.9	7.0	8.0	7.2	6.0	6.3	---	---	---
22	6.3	5.8	6.0	9.8	6.9	8.0	7.7	6.0	6.8	7.9	7.4	7.6
23	7.3	6.0	6.6	9.6	6.6	7.7	---	---	---	7.6	7.0	7.4
24	6.7	6.3	6.5	9.3	6.6	7.6	---	---	---	7.4	6.7	7.1
25	7.2	5.9	6.5	9.6	6.4	7.8	---	---	---	7.3	6.6	7.0
26	6.6	6.0	6.3	9.2	6.6	7.0	---	---	---	7.2	6.3	6.8
27	7.7	6.2	6.8	7.2	6.1	6.5	---	---	---	8.0	6.0	6.7
28	8.0	6.9	7.2	8.1	6.8	7.1	---	---	---	7.7	6.8	7.0
29	7.4	7.0	7.2	7.5	6.9	7.2	---	---	---	7.1	6.8	6.9
30	7.8	7.0	7.2	7.6	7.0	7.3	---	---	---	7.1	6.7	6.9
31	---	---	---	7.7	7.0	7.3	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	12	<5.0	<5.0	<5.0	<5.0	<5.0
2	---	---	---	---	---	---	---	---	---	<5.0	<5.0	<5.0
3	---	---	---	---	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4	---	---	---	---	---	---	12	<5.0	<5.0	<5.0	<5.0	<5.0
5	---	---	---	---	---	---	5.2	<5.0	<5.0	450	<5.0	<5.0
6	---	---	---	---	---	---	<5.0	<5.0	<5.0	61	8.9	21
7	---	---	---	---	---	---	<5.0	<5.0	<5.0	9.5	5.6	6.7
8	---	---	---	---	---	---	8.8	<5.0	<5.0	6.2	<5.0	<5.0
9	---	---	---	---	---	---	42	<5.0	<5.0	250	<5.0	12
10	---	---	---	---	---	---	260	<5.0	54	9.1	<5.0	<5.0
11	---	---	---	---	---	---	38	7.4	14	<5.0	<5.0	<5.0
12	---	---	---	---	---	---	9.2	<5.0	5.1	10	<5.0	<5.0
13	---	---	---	---	---	---	43	<5.0	<5.0	<5.0	<5.0	<5.0
14	---	---	---	---	---	---	110	13	42	16	<5.0	<5.0
15	---	---	---	---	---	---	13	<5.0	5.8	---	---	---
16	---	---	---	---	---	---	73	<5.0	<5.0	---	---	---
17	---	---	---	---	---	---	93	11	28	---	---	---
18	---	---	---	48	<5.0	<5.0	12	<5.0	<5.0	---	---	---
19	---	---	---	690	20	51	<5.0	<5.0	<5.0	6.2	<5.0	<5.0
20	---	---	---	20	6.3	9.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
21	---	---	---	6.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
22	---	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
23	---	---	---	23	<5.0	<5.0	110	<5.0	<5.0	<5.0	<5.0	<5.0
24	---	---	---	---	---	---	120	11	25	<5.0	<5.0	<5.0
25	---	---	---	12	<5.0	7.6	14	<5.0	<5.0	270	<5.0	100
26	---	---	---	6.1	<5.0	<5.0	<5.0	<5.0	<5.0	88	13	25
27	---	---	---	110	<5.0	<5.0	9.7	<5.0	<5.0	18	<5.0	7.5
28	---	---	---	47	6.9	18	11	<5.0	<5.0	7.4	<5.0	<5.0
29	---	---	---	13	<5.0	5.3	17	<5.0	<5.0	5.6	<5.0	<5.0
30	---	---	---	<5.0	<5.0	<5.0	160	<5.0	27	<5.0	<5.0	<5.0
31	---	---	---	---	---	---	14	<5.0	<5.0	7.0	<5.0	<5.0
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	16	<5.0	<5.0	<5.0	<5.0	<5.0	39	9.5	19	940	<5.0	14
2	300	<5.0	<5.0	<5.0	<5.0	<5.0	17	11	12	1100	15	48
3	120	7.4	26	6.8	<5.0	<5.0	---	---	---	19	5.3	8.6
4	15	<5.0	<5.0	7.9	<5.0	<5.0	---	---	---	11	<5.0	<5.0
5	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	---	---	---	6.9	<5.0	<5.0
6	400	<5.0	69	130	<5.0	16	---	---	---	110	<5.0	<5.0
7	50	8.3	16	10	<5.0	<5.0	---	---	---	5.0	<5.0	<5.0
8	18	<5.0	6.1	<5.0	<5.0	<5.0	24	<5.0	6.6	6.1	<5.0	<5.0
9	6.9	<5.0	<5.0	<5.0	<5.0	<5.0	32	9.5	13	7.1	<5.0	<5.0
10	6.3	<5.0	<5.0	<5.0	<5.0	<5.0	30	12	13	7.0	<5.0	<5.0
11	21	<5.0	<5.0	5.3	<5.0	<5.0	140	15	46	12	<5.0	<5.0
12	310	17	70	<5.0	<5.0	<5.0	1100	47	54	60	<5.0	<5.0
13	39	7.9	17	<5.0	<5.0	<5.0	---	---	---	89	<5.0	7.4
14	---	---	---	<5.0	<5.0	<5.0	---	---	---	40	<5.0	10
15	---	---	---	<5.0	<5.0	<5.0	---	---	---	14	<5.0	<5.0
16	---	---	---	---	---	---	---	---	---	500	<5.0	<5.0
17	---	---	---	---	---	---	---	---	---	190	13	42
18	---	---	---	---	---	---	---	---	---	75	7.2	24
19	---	---	---	---	---	---	---	---	---	7.2	<5.0	5.1
20	---	---	---	---	---	---	---	---	---	5.2	<5.0	<5.0
21	5.2	<5.0	<5.0	---	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
22	<5.0	<5.0	<5.0	---	---	---	30	<5.0	<5.0	12	<5.0	<5.0
23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.9	<5.0	<5.0
24	5.2	<5.0	<5.0	<5.0	<5.0	<5.0	14	<5.0	<5.0	12	<5.0	<5.0
25	31	<5.0	<5.0	7.8	<5.0	<5.0	67	<5.0	<5.0	<5.0	<5.0	<5.0
26	28	13	22	6.6	<5.0	<5.0	90	<5.0	26	<5.0	<5.0	<5.0
27	20	<5.0	7.4	5.1	<5.0	<5.0	16	<5.0	7.8	15	<5.0	<5.0
28	<5.0	<5.0	<5.0	35	<5.0	<5.0	<5.0	<5.0	<5.0	30	<5.0	<5.0
29	<5.0	<5.0	<5.0	22	<5.0	<5.0	38	<5.0	<5.0	7.9	<5.0	<5.0
30	---	---	---	230	<5.0	32	60	<5.0	<5.0	6.6	<5.0	<5.0
31	---	---	---	37	8.5	12	---	---	---	780	<5.0	44
MAX	---	---	---	---	---	---	---	---	---	1100	15	48
MIN	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26	<5.0	11	490	16	53	<5.0	<5.0	<5.0	80	<5.0	<5.0
2	8.7	<5.0	<5.0	310	13	40	440	<5.0	<5.0	100	6.6	23
3	5.9	<5.0	<5.0	40	5.1	7.3	57	6.2	12	11	<5.0	6.2
4	<5.0	<5.0	<5.0	11	<5.0	<5.0	12	5.8	6.8	<5.0	<5.0	<5.0
5	<5.0	<5.0	<5.0	7.1	<5.0	<5.0	370	5.2	6.7	<5.0	<5.0	<5.0
6	<5.0	<5.0	<5.0	6.0	<5.0	<5.0	100	9.6	27	5.8	<5.0	<5.0
7	---	---	---	29	<5.0	<5.0	11	<5.0	5.4	---	---	---
8	---	---	---	24	<5.0	5.8	7.0	<5.0	<5.0	---	---	---
9	---	---	---	---	---	---	5.5	<5.0	<5.0	---	---	---
10	---	---	---	---	---	---	11	<5.0	<5.0	18	<5.0	<5.0
11	---	---	---	83	7.3	20	10	<5.0	<5.0	9.7	<5.0	<5.0
12	---	---	---	7.6	<5.0	<5.0	720	<5.0	53	<5.0	<5.0	<5.0
13	---	---	---	<5.0	<5.0	<5.0	27	5.7	12	<5.0	<5.0	<5.0
14	---	---	---	<5.0	<5.0	<5.0	8.8	<5.0	<5.0	12	<5.0	<5.0
15	---	---	---	8.0	<5.0	<5.0	1000	<5.0	<5.0	<5.0	<5.0	<5.0
16	---	---	---	78	<5.0	<5.0	70	5.1	7.0	---	---	---
17	---	---	---	5.2	<5.0	<5.0	8.0	<5.0	<5.0	---	---	---
18	---	---	---	10	<5.0	<5.0	<5.0	<5.0	<5.0	---	---	---
19	---	---	---	<5.0	<5.0	<5.0	6.1	<5.0	<5.0	---	---	---
20	---	---	---	<5.0	<5.0	<5.0	200	<5.0	<5.0	---	---	---
21	---	---	---	45	<5.0	<5.0	99	12	28	---	---	---
22	---	---	---	<5.0	<5.0	<5.0	280	<5.0	5.9	6.5	<5.0	<5.0
23	---	---	---	5.1	<5.0	<5.0	430	17	51	5.1	<5.0	<5.0
24	110	9.1	24	160	<5.0	<5.0	17	<5.0	9.2	8.1	<5.0	<5.0
25	310	5.7	58	1100	<5.0	<5.0	650	<5.0	5.4	<5.0	<5.0	<5.0
26	58	19	26	420	25	62	78	11	26	6.4	<5.0	<5.0
27	1800	17	21	560	9.6	21	12	<5.0	7.0	680	<5.0	12
28	1300	60	98	530	16	44	7.2	<5.0	<5.0	480	26	60
29	---	---	---	18	6.0	9.9	<5.0	<5.0	<5.0	28	12	20
30	---	---	---	6.7	<5.0	5.4	<5.0	<5.0	<5.0	16	6.9	11
31	---	---	---	7.4	<5.0	<5.0	<5.0	<5.0	<5.0	---	---	---
MAX	---	---	---	---	---	---	1000	17	53	---	---	---
MIN	---	---	---	---	---	---	5.0	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2004 Water Year

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'20", long 84°28'45", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, right upstream side of bridge on Peyton Road, 1.2 miles east of Interstate 285, and 3.0 miles upstream of confluence with South Utoy Creek .

DRAINAGE AREA.—6.38 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 12, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
23...	1030	--	9	9	81345	5.44	2.6	2.9	755	8.1	80	7.2	141
23...	1050	--	9	9	81345	5.44	2.6	2.0	755	8.1	80	7.2	141
NOV													
18-18	2025	2027	9	J	81345	5.60	5.8	11	--	6.3	--	7.0	123
NOV													
18-18	2325	2327	9	J	81345	6.09	25	21	--	6.5	--	7.0	133
NOV													
19-19	0056	0058	9	J	81345	7.02	105	400	--	6.8	--	6.9	60
NOV													
19-19	0141	0143	9	J	81345	8.37	286	650	--	6.8	--	6.7	49
NOV													
19-19	0225	0227	9	J	81345	10.41	620	610	--	7.0	--	6.6	39
NOV													
19-19	0355	0357	9	J	81345	7.55	169	340	--	7.0	--	6.6	43
DEC													
13-13	1751	1753	9	J	81345	5.69	7.9	E28	--	11.6	--	7.2	117
DEC													
13-13	1921	1923	9	J	81345	6.33	41	37	--	11.7	--	7.2	113
DEC													
13-13	2136	2138	9	J	81345	6.06	23	18	--	11.0	--	7.2	110
DEC													
13-13	2351	2353	9	J	81345	5.99	20	37	--	10.7	--	7.1	73
DEC													
14-14	0121	0123	9	J	81345	6.00	20	75	--	11.3	--	7.0	64
JAN													
09-09	0728	0730	9	J	81345	6.12	27	14	--	11.7	--	6.9	135
JAN													
09-09	0943	0945	9	J	81345	5.87	14	13	--	11.2	--	6.8	134
JAN													
09-09	0950	1010	9	J	81345	5.85	13	15	744	11.1	90	7.2	131
JAN													
09-09	1035	1040	9	J	81345	5.82	12	17	744	11.2	91	7.2	130
30...	0900	--	9	9	81345	5.60	5.3	3.6	739	11.5	94	6.9	147
30...	0925	--	9	9	81345	5.60	5.3	4.4	739	11.6	95	6.9	147
FEB													
02-02	1555	1557	9	J	81345	6.02	21	41	--	12.5	--	7.0	110
FEB													
02-02	1725	1727	9	J	81345	6.84	86	170	--	12.8	--	7.0	101
FEB													
02-02	1855	1857	9	J	81345	6.95	97	320	--	12.8	--	6.6	45
FEB													
02-02	2025	2027	9	J	81345	6.35	42	240	--	12.9	--	6.7	51
FEB													
06-06	0821	0823	9	J	81345	5.85	13	82	--	11.5	--	7.0	100
FEB													
06-06	0951	0953	9	J	81345	6.99	102	110	--	11.0	--	7.0	114
FEB													
06-06	1121	1123	9	J	81345	8.20	261	430	741	12.0	101	6.7	30
FEB													
06-06	1251	1253	9	J	81345	7.04	107	320	741	12.3	104	6.7	26
FEB													
06-06	1421	1423	9	J	81345	6.71	73	200	741	12.0	103	6.7	29
09...	1330	--	9	9	81345	5.64	6.3	8.5	--	11.8	--	--	65
09...	1345	--	9	9	81345	5.64	6.3	8.5	--	12.4	--	--	65
MAR													
10...	1200	--	9	9	81345	5.57	4.2	3.0	748	12.6	116	7.3	144
10...	1215	--	9	9	81345	5.57	4.2	2.8	748	12.6	116	7.3	144
APR													
01...	1200	--	9	9	81345	5.56	4.2	12	743	9.2	89	7.0	105
01...	1215	--	9	9	81345	5.56	4.2	15	743	9.2	89	7.0	105
APR													
12-12	2034	2036	9	J	81345	5.64	6.0	<120	--	7.0	--	6.4	119
APR													
12-12	2119	2121	9	J	81345	5.94	16	>240	--	7.0	--	6.4	102
APR													
12-12	2205	2207	9	J	81345	6.44	49	740	--	8.0	--	6.3	63
APR													
12-12	2249	2251	9	J	81345	8.81	353	930	--	8.2	--	6.1	39
APR													
12-12	2334	2336	9	J	81345	7.59	175	530	--	8.6	--	6.1	41
APR													
13-13	0019	0021	9	J	81345	6.85	87	380	--	8.4	--	6.3	50
14...	0815	--	9	J	81345	5.63	6.0	19	743	9.7	89	7.1	121
14...	0830	--	9	J	81345	5.62	5.5	19	743	9.7	89	7.1	121

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
23...	14.5	42	.0	12.0	2.96	3.00	.5	8.12	28	41.7	M	9.85	20.5
23...	15.0	43	1	12.2	3.05	3.04	.5	8.15	27	41.8	M	9.91	20.3
NOV													
18-18	16.9	37	1	10.7	2.39	4.75	.5	6.53	25	35.5	M	7.50	17.6
NOV													
18-18	17.2	44	15	13.4	2.42	5.07	.4	5.63	20	28.6	<.02	7.09	11.8
NOV													
19-19	17.9	13	--	3.87	.73	4.40	.2	1.83	18	15.7	<.02	2.11	3.87
NOV													
19-19	18.1	10	--	2.96	.56	4.11	.2	1.63	19	11.5	<.02	1.73	2.96
NOV													
19-19	18.2	11	.0	3.36	.67	4.41	.3	2.52	25	10.5	<.02	1.56	3.47
NOV													
19-19	18.0	14	2	4.26	.86	4.91	.3	2.48	21	12.1	<.02	2.17	4.96
DEC													
13-13	7.1	40	8	11.6	2.75	3.04	.5	6.83	25	32.4	<.02	7.86	18.2
DEC													
13-13	7.0	43	9	12.0	2.99	3.07	.5	6.96	25	33.6	M	9.12	17.8
DEC													
13-13	8.1	32	8	9.29	2.08	3.21	.3	4.45	21	23.4	<.02	6.06	11.4
DEC													
13-13	8.0	23	6	6.75	1.35	3.00	.3	3.69	23	16.3	<.02	3.75	7.17
DEC													
14-14	7.2	25	7	7.38	1.60	3.27	.4	4.36	25	18.0	<.02	4.82	8.27
JAN													
09-09	5.4	65	16	19.4	4.02	3.05	.6	10.7	25	49.5	.2	12.5	21.9
JAN													
09-09	6.3	47	8	13.2	3.37	2.63	.5	7.95	26	38.9	.1	11.1	17.7
JAN													
09-09	6.5	64	15	19.1	3.99	2.98	.5	9.72	24	49.6	.2	12.4	23.6
JAN													
09-09	2.5	82	20	24.1	5.35	3.92	.9	18.2	31	62.5	.1	26.8	19.0
30...	5.5	47	8	13.0	3.43	2.62	.5	7.73	25	38.9	.1	10.8	17.9
30...	5.5	49	17	12.7	4.07	2.65	.5	7.96	25	31.3	.2	8.50	18.9
FEB													
02-02	5.4	29	6	8.55	1.87	2.19	.4	5.25	26	23.3	M	6.22	11.6
FEB													
02-02	5.7	17	5	5.09	1.00	2.08	.3	2.85	24	12.2	<.02	3.19	4.16
FEB													
02-02	4.7	14	2	4.34	.87	1.92	.3	2.58	25	12.0	.1	3.14	4.25
FEB													
02-02	4.6	18	3	5.24	1.12	2.31	.4	3.60	28	15.0	<.02	4.21	5.51
FEB													
06-06	6.6	33	7	9.36	2.31	2.21	.4	5.22	24	26.1	<.02	8.71	13.7
FEB													
06-06	7.3	15	4	4.51	.90	1.91	.2	2.15	21	11.2	<.02	3.12	4.68
FEB													
06-06	6.8	13	1	3.77	.77	2.02	.3	2.15	24	11.4	<.02	2.87	4.10
FEB													
06-06	6.9	17	3	5.08	1.06	2.63	.3	2.77	23	14.3	<.02	3.41	5.77
FEB													
06-06	7.4	19	4	5.64	1.22	2.75	.3	2.72	21	15.2	<.02	4.04	6.45
09...	6.5	46	8	12.8	3.39	2.50	.5	7.76	26	38.1	<.02	10.0	18.0
09...	6.5	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
10...	11.0	52	12	15.5	3.19	2.52	.5	8.04	24	40.2	.1	11.4	15.1
10...	11.0	52	13	15.6	3.28	2.56	.5	8.03	24	40.0	<.02	11.4	16.0
APR													
01...	12.5	35	4	10.3	2.21	2.96	.4	5.16	23	30.6	M	5.63	13.2
01...	12.5	35	4	10.3	2.25	2.88	.4	5.26	23	30.8	M	5.65	13.3
APR													
12-12	16.2	26	2	7.82	1.44	3.00	.4	4.26	24	23.4	M	5.00	12.1
APR													
12-12	15.7	38	2	11.1	2.52	3.42	.5	6.44	25	36.2	.1	7.17	14.7
APR													
12-12	15.2	12	.0	3.58	.62	2.82	.2	1.53	18	11.2	<.02	1.45	3.01
APR													
12-12	15.2	14	2	4.21	.75	2.98	.2	1.81	18	11.7	<.02	1.84	3.76
APR													
12-12	14.9	17	2	5.07	.93	3.13	.2	2.31	20	14.2	<.02	2.37	4.96
APR													
13-13	15.1	19	3	5.83	1.09	3.18	.3	2.64	20	16.2	<.02	2.76	5.87
14...	10.5	40	4	11.5	2.61	2.92	.4	5.92	23	35.6	.1	6.93	16.7
14...	10.5	40	5	11.6	2.65	2.93	.4	6.18	24	35.5	.1	6.99	16.4

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
OCT													
23...	8.8	93	.13	--	<.020	.56	<.020	--	<.100	<.10	.69	--	--
23...	8.9	93	.13	--	<.020	.57	<.020	--	<.100	<.10	.67	330	140k
NOV													
18-18	7.7	79	.11	.03	.022	.16	<.020	--	<.100	<.10	.21	--	--
NOV													
18-18	20.1	84	.11	.10	.076	.30	<.020	--	<.100	<.10	.53	--	--
NOV													
19-19	3.6	30	.04	--	<.020	.07	<.020	--	<.100	<.10	.19	--	--
NOV													
19-19	2.8	25	.03	--	<.020	.20	<.020	--	<.100	<.10	.46	--	--
NOV													
19-19	3.0	28	.04	.08	.060	.32	<.020	--	<.100	<.10	.40	--	--
NOV													
19-19	4.2	34	.05	.06	.048	.49	<.020	--	<.100	<.10	.71	--	--
DEC													
13-13	9.8	83	.11	.04	.030	.68	<.020	--	<.100	<.10	.91	--	--
DEC													
13-13	10.4	86	.12	.05	.039	.75	<.020	--	<.100	<.10	1.02	--	--
DEC													
13-13	9.0	64	.09	.12	.093	.89	<.020	--	<.100	<.10	1.33	--	--
DEC													
13-13	6.4	45	.06	.09	.073	.58	<.020	--	<.100	<.10	.98	--	--
DEC													
14-14	6.7	50	.07	.11	.082	.57	<.020	--	<.100	<.10	.92	--	--
JAN													
09-09	25.7	134	.18	--	<.020	1.43	.060	--	<.100	<.10	1.22	1800	1200
JAN													
09-09	12.8	98	.13	.32	.246	1.06	<.020	--	<.100	<.10	1.88	7400	1900
JAN													
09-09	25.9	134	.18	.05	.038	1.44	<.020	--	<.100	<.10	1.04	2800	2700
JAN													
09-09	31.2	173	.24	.06	.044	1.41	<.020	--	<.100	<.10	.72	--	--
30...	12.6	96	.13	.11	.086	1.04	<.020	--	<.100	<.10	1.27	1100	130
30...	23.9	103	.14	.10	.081	1.01	.030	--	<.100	<.10	1.23	--	--
FEB													
02-02	8.6	62	.08	--	<.020	.72	<.020	--	<.100	<.10	.97	--	--
FEB													
02-02	5.5	35	.05	.24	.185	.57	<.020	--	<.100	<.10	1.02	--	--
FEB													
02-02	4.5	32	.04	.14	.111	.54	<.020	--	<.100	<.10	.89	--	--
FEB													
02-02	5.4	40	.05	.26	.203	.55	<.020	--	<.100	<.10	.99	--	--
FEB													
06-06	9.1	71	.10	.08	.059	.98	<.020	--	<.100	<.10	1.06	--	--
FEB													
06-06	5.0	33	.04	.21	.161	.61	<.020	--	<.100	<.10	1.07	--	--
FEB													
06-06	3.8	31	.04	.15	.120	.72	<.020	--	<.100	.15	.88	--	--
FEB													
06-06	5.3	39	.05	.22	.171	.49	<.020	.322	.105	.14	1.03	--	--
FEB													
06-06	6.0	44	.06	.20	.158	.85	<.020	.399	.130	.14	1.10	--	--
09...	12.4	94	.13	.08	.062	.99	<.020	--	<.100	.10	1.17	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	2000	110
MAR													
10...	10.9	94	.13	--	<.020	.68	<.020	--	<.100	<.10	1.02	120	80
10...	11.0	95	.13	--	<.020	.68	<.020	--	<.100	<.10	.95	--	--
APR													
01...	7.5	68	.09	--	<.020	.49	.020	--	<.100	<.10	.60	4600	5900
01...	7.5	68	.09	--	<.020	.49	.020	--	<.100	<.10	1.60	--	--
APR													
12-12	7.2	58	.08	.11	.083	.55	.020	--	<.100	<.10	1.15	--	--
APR													
12-12	8.7	79	.11	.53	.408	.31	.020	--	<.100	<.10	.87	--	--
APR													
12-12	3.0	25	.03	.11	.084	.33	<.020	--	<.100	<.10	.69	--	--
APR													
12-12	3.4	28	.04	.05	.040	.49	<.020	--	<.100	<.10	1.05	--	--
APR													
12-12	4.0	34	.05	.04	.030	.53	<.020	--	<.100	<.10	1.04	--	--
APR													
13-13	4.4	39	.05	.04	.029	.56	.020	--	<.100	<.10	.88	--	--
14...	9.2	80	.11	.05	.039	.61	<.020	--	<.100	<.10	.96	--	--
14...	9.3	81	.11	.10	.078	.62	<.020	--	<.100	<.10	.83	3200	3000

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Total coliform, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)
OCT				
23...	--	68.7	<100	60
23...	9550	68.9	<100	70
NOV				
18-18	--	141	<100	60
NOV				
18-18	--	140	<100	70
NOV				
19-19	--	<100	250	20
NOV				
19-19	--	<100	180	10
NOV				
19-19	--	147	280	20
NOV				
19-19	--	117	340	20
DEC				
13-13	--	148	160	60
DEC				
13-13	--	125	170	60
DEC				
13-13	--	<100	160	40
DEC				
13-13	--	128	160	30
DEC				
14-14	--	131	170	40
JAN				
09-09	22800	62.9	<100	110
JAN				
09-09	98000	63.0	150	70
JAN				
09-09	44000	24.1	<100	110
JAN				
09-09	--	65.5	<100	110
30...	7510	55.8	140	70
30...	--	63.1	<100	80
FEB				
02-02	--	45.7	160	40
FEB				
02-02	--	45.0	250	20
FEB				
02-02	--	30.2	360	20
FEB				
02-02	--	40.0	380	20
FEB				
06-06	--	36.0	170	50
FEB				
06-06	--	16.8	340	20
FEB				
06-06	--	33.8	450	20
FEB				
06-06	--	26.9	580	20
FEB				
06-06	--	26.8	590	30
09...	--	30.6	<100	70
09...	16400	--	--	--
MAR				
10...	1500	14.6	160	60
10...	--	42.8	160	70
APR				
01...	>2400k	36.7	230	50
01...	--	58.5	220	50
APR				
12-12	--	36.6	110	40
APR				
12-12	--	89.6	200	60
APR				
12-12	--	34.8	320	20
APR				
12-12	--	33.2	250	20
APR				
12-12	--	39.2	270	20
APR				
13-13	--	33.9	300	30
14...	--	48.7	170	60
14...	77000	65.8	170	60

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
MAY													
01-01	0504	0506	9	J	81345	5.57	4.7	5.5	--	6.8	--	7.2	153
MAY													
01-01	2216	2218	9	J	81345	5.55	4.2	7.7	--	6.2	--	7.0	101
MAY													
01-01	2301	2303	9	J	81345	5.79	11	110	--	8.0	--	6.9	68
MAY													
01-01	2346	2348	9	J	81345	6.45	50	940	--	8.1	--	6.7	51
MAY													
02-02	0031	0033	9	J	81345	8.30	275	890	--	7.0	--	6.7	55
MAY													
02-02	0116	0118	9	J	81345	7.62	179	460	--	7.8	--	6.6	39
11...	1215	--	9	9	81345	5.48	2.8	4.6	749	8.8	100	7.2	143
11...	1230	--	9	9	81345	5.48	2.8	5.5	749	8.8	100	7.2	134
MAY													
16-16	1756	1758	9	J	81345	5.62	5.5	32	--	8.6	--	7.6	114
MAY													
16-16	1841	1843	9	J	81345	5.99	19	220	--	8.2	--	7.3	109
MAY													
16-16	1926	1928	9	J	81345	7.67	186	510	--	6.9	--	7.2	81
MAY													
16-16	2011	2013	9	J	81345	6.91	93	350	--	7.4	--	6.9	56
25...	0825	--	9	9	81345	5.44	2.4	2.7	748	7.7	88	7.2	145
25...	0830	--	9	9	81345	5.44	2.4	2.5	748	7.6	87	7.2	145
MAY													
31-31	0656	0658	9	J	81345	5.91	15	330	--	7.2	--	6.7	95
MAY													
31-31	0741	0743	9	J	81345	5.90	15	290	--	7.4	--	6.7	92
MAY													
31-31	0826	0828	9	J	81345	7.39	149	440	--	7.1	--	6.6	67
MAY													
31-31	0911	0913	9	J	81345	6.70	72	270	--	7.4	--	6.4	46
JUN													
07-07	1820	1822	9	J	81345	6.00	20	85	--	7.6	--	6.7	115
JUN													
07-07	1849	1851	9	J	81345	6.39	45	98	--	7.9	--	6.8	132
JUN													
07-07	1919	1921	9	J	81345	6.23	33	65	--	7.9	--	6.9	135
JUN													
07-07	2019	2021	9	J	81345	6.03	21	51	--	7.1	--	6.8	127
JUN													
07-07	2119	2121	9	J	81345	5.88	14	50	--	6.5	--	6.6	109
JUN													
14-14	1357	1359	9	J	81345	6.03	21	140	--	7.0	--	--	131
JUN													
14-14	1427	1429	9	J	81345	6.63	66	220	--	7.0	--	--	114
JUN													
14-14	1457	1459	9	J	81345	6.38	44	370	--	7.0	--	--	94
JUN													
14-14	1557	1559	9	J	81345	6.04	22	240	--	7.1	--	--	72
JUN													
14-14	1657	1659	9	J	81345	5.88	14	140	--	7.0	--	--	69
JUN													
15-15	1531	1533	9	J	81345	5.79	20	--	--	--	--	--	--
JUN													
15-15	1601	1603	9	J	81345	6.06	23	--	--	--	--	--	--
JUN													
15-15	1631	1633	9	J	81345	5.98	19	--	--	--	--	--	--
JUN													
15-15	1701	1703	9	J	81345	7.76	198	--	--	--	--	--	--
24...	0755	--	9	J	81345	5.59	4.9	35	748	6.6	78	7.2	85
24...	0800	--	9	J	81345	5.59	4.9	33	748	6.5	77	7.0	86
JUL													
21...	0740	--	9	9	81345	5.43	2.3	4.7	745	7.4	86	7.0	144
21...	0745	--	9	9	81345	5.43	2.3	2.9	746	7.5	87	7.2	144
AUG													
18...	0810	--	9	9	81345	5.41	2.1	9.8	740	7.5	87	7.1	134
18...	0815	--	9	9	81345	5.41	2.1	4.3	740	7.5	87	7.0	134
SEP													
14...	0900	--	9	9	81345	5.44	2.4	1.6	749	7.8	88	6.3	138

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
MAY													
01-01	17.7	48	9	13.9	3.29	2.83	.5	8.38	26	39.6	.1	10.3	23.2
MAY													
01-01	19.0	21	4	6.86	1.03	2.96	.4	3.90	25	17.1	<.02	3.19	10.2
MAY													
01-01	18.9	14	3	4.20	.80	2.68	.3	2.13	21	11.3	<.02	2.34	6.71
MAY													
01-01	18.6	12	3	3.88	.64	2.61	.1	.94	12	9.6	<.02	1.47	3.88
MAY													
02-02	18.9	13	2	4.06	.76	2.87	.2	1.31	14	11.2	<.02	1.78	4.06
MAY													
02-02	18.9	16	2	4.75	.88	3.40	.3	2.31	20	13.3	<.02	2.15	4.45
11...	20.5	49	7	14.2	3.26	2.78	.5	8.60	26	41.6	.1	9.87	24.7
11...	20.5	57	16	16.8	3.65	3.21	.6	10.5	27	41.4	.1	10.1	30.7
MAY													
16-16	22.0	34	5	10.2	2.13	4.03	.5	6.36	26	29.2	<.02	7.58	16.3
MAY													
16-16	21.4	18	7	5.53	1.02	3.69	.2	2.33	18	11.3	<.02	3.25	5.45
MAY													
16-16	22.8	16	5	4.81	.85	4.05	.2	1.84	16	10.5	<.02	2.53	4.28
MAY													
16-16	23.0	15	5	4.51	.79	3.88	.3	2.30	20	9.8	<.02	2.39	3.71
25...	21.0	56	13	16.4	3.52	3.21	.6	10.7	28	42.6	.1	9.71	29.6
25...	21.0	48	5	13.5	3.42	2.81	.5	7.99	25	42.8	.1	9.72	22.4
MAY													
31-31	21.4	31	5	9.18	1.86	3.16	.4	4.98	24	26.1	M	5.20	14.0
MAY													
31-31	21.3	16	4	4.98	.84	2.98	.3	2.66	23	11.9	<.02	2.60	5.05
MAY													
31-31	21.2	14	5	4.47	.70	2.93	.3	2.28	22	9.5	<.02	1.93	3.97
MAY													
31-31	21.2	14	5	4.45	.71	2.91	.2	1.80	18	9.5	<.02	1.93	4.33
JUN													
07-07	21.7	39	4	11.5	2.48	2.72	.5	6.54	25	34.7	.1	7.49	16.8
JUN													
07-07	21.6	47	7	13.7	3.13	2.81	.5	7.95	25	39.7	.1	9.52	19.5
JUN													
07-07	21.7	47	7	13.7	3.10	2.96	.5	8.26	26	39.7	.1	9.85	19.9
JUN													
07-07	21.6	43	12	12.8	2.75	3.84	.5	7.01	24	31.4	.1	7.98	17.6
JUN													
07-07	21.8	36	12	11.0	2.06	4.00	.4	5.31	22	24.4	M	5.67	12.2
JUN													
14-14	--	47	7	14.3	2.65	4.03	.6	9.85	29	39.4	.1	8.3	21.9
JUN													
14-14	--	43	9	13.5	2.35	3.53	.5	7.89	26	34.9	M	6.6	18.0
JUN													
14-14	--	36	9	11.6	1.75	3.20	.4	5.89	24	27.3	<.01	4.7	14.6
JUN													
14-14	--	33	9	11.0	1.21	3.03	.3	4.09	20	23.1	<.01	2.4	11.4
JUN													
14-14	--	31	9	10.6	1.13	3.15	.3	3.82	19	21.9	<.01	2.1	10.7
JUN													
15-15	--	30	6	9.90	1.34	3.40	.4	4.93	24	24.1	<.01	3.1	15.4
JUN													
15-15	--	23	3	7.60	1.02	3.29	.4	4.29	25	19.8	<.01	2.4	14.8
JUN													
15-15	--	25	5	8.00	1.15	3.15	.4	4.12	24	19.6	<.01	2.6	13.4
JUN													
15-15	--	25	6	7.80	1.25	3.60	.4	4.05	23	18.5	<.01	3.6	10.4
24...	23.0	28	2	8.40	1.59	3.54	.3	3.58	20	25.6	<.01	3.6	10.2
24...	23.0	27	1	8.20	1.63	3.41	.3	3.70	20	26.1	<.01	3.6	10.1
JUL													
21...	21.5	44	4	12.6	3.04	2.77	.6	8.40	28	40.3	.1	9.5	17.4
21...	21.5	45	4	12.6	3.15	2.70	.5	8.07	27	40.3	M	9.4	17.9
AUG													
18...	21.0	45	5	13.3	2.93	2.91	.5	7.61	25	40.2	M	8.0	19.5
18...	21.0	43	2	12.5	2.83	2.84	.5	7.41	26	40.5	.1	8.1	18.9
SEP													
14...	20.5	--	--	--	--	--	--	--	--	40.6	.1	5.84	--

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
MAY													
01-01	9.8	99	.13	.06	.049	.74	.030	--	<.100	<.10	1.07	--	--
MAY													
01-01	5.2	47	.06	.07	.052	.84	<.020	--	<.100	<.10	1.44	--	--
MAY													
01-01	3.8	33	.04	--	<.020	.65	<.020	--	<.100	<.10	1.30	--	--
MAY													
01-01	3.0	24	.03	--	<.020	.44	.020	--	<.100	<.10	1.74	--	--
MAY													
02-02	3.1	28	.04	.07	.054	.57	<.020	--	<.100	<.10	1.05	--	--
MAY													
02-02	3.6	33	.04	.04	.031	.62	<.020	--	<.100	<.10	.93	--	--
11...	9.9	101	.14	.04	.031	.57	<.020	--	<.100	<.10	.78	260	270
11...	9.9	113	.15	.05	.040	.58	<.020	--	<.100	<.10	.78	--	--
MAY													
16-16	8.2	76	.10	.06	.048	.62	.020	.429	.140	.20	2.17	--	--
MAY													
16-16	5.9	38	.05	.06	.049	.73	.030	.429	.140	.20	2.14	--	--
MAY													
16-16	5.8	34	.05	.06	.044	.65	.030	.797	.260	.32	2.26	--	--
MAY													
16-16	5.7	33	.04	.06	.043	.61	.030	.675	.220	.30	2.21	--	--
25...	8.3	110	.15	.04	.034	.62	<.020	--	<.100	<.10	.69	--	--
25...	8.3	97	.13	.04	.029	.61	<.020	--	<.100	<.10	.67	220	410
MAY													
31-31	6.3	63	.09	--	<.020	.64	<.020	--	<.100	<.10	1.68	--	--
MAY													
31-31	4.9	35	.05	--	<.020	.82	<.020	--	<.100	<.10	1.81	--	--
MAY													
31-31	4.2	29	.04	--	<.020	.62	.040	--	<.100	<.10	1.24	--	--
MAY													
31-31	4.1	29	.04	--	<.020	.59	.040	--	<.100	<.10	1.33	--	--
JUN													
07-07	7.8	80	.11	--	<.020	.82	<.020	--	<.100	<.10	1.16	--	--
JUN													
07-07	8.8	93	.13	--	<.020	.83	<.020	--	<.100	.11	1.21	--	--
JUN													
07-07	9.3	95	.13	--	<.020	.91	<.020	--	<.100	.12	1.12	--	--
JUN													
07-07	10.1	88	.12	--	<.020	1.55	<.020	--	<.100	<.10	2.09	--	--
JUN													
07-07	9.7	73	.10	--	<.020	1.83	<.020	--	<.100	<.10	2.70	--	--
JUN													
14-14	9.0	101	.14	--	<.010	1.60	<.010	.307	.100	<.050	3.75	--	--
JUN													
14-14	7.5	85	.12	--	<.010	1.08	<.010	--	<.050	<.050	1.81	--	--
JUN													
14-14	6.5	70	.10	--	<.010	1.30	<.010	--	<.050	<.050	2.11	--	--
JUN													
14-14	5.0	58	.08	--	<.010	1.21	<.010	.307	.100	.100	2.21	--	--
JUN													
14-14	4.6	54	.07	--	<.010	1.09	<.010	.368	.120	.100	1.75	--	--
JUN													
15-15	4.6	60	.08	--	<.010	.64	<.010	--	<.050	<.050	.71	--	--
JUN													
15-15	5.0	54	.07	--	<.010	.80	<.010	--	<.050	<.050	1.07	--	--
JUN													
15-15	3.9	52	.07	--	<.010	.68	<.010	.307	.100	<.050	.72	--	--
JUN													
15-15	4.6	52	.07	--	<.010	1.20	<.010	--	<.050	<.050	2.10	--	--
24...	5.0	53	.07	--	<.010	.35	<.010	--	<.050	<.050	.43	--	--
24...	5.0	53	.07	--	<.010	.35	<.010	--	<.050	<.050	--	3900	11000
JUL													
21...	8.7	89	.12	.03	.020	.52	<.010	--	<.050	<.050	--	--	--
21...	8.7	89	.12	.03	.020	.52	<.010	--	<.050	<.050	.79	170	200k
AUG													
18...	7.7	88	.12	--	--	.52	<.010	--	--	--	--	--	--
18...	7.7	87	.12	--	--	.54	<.010	--	--	--	--	190	340
SEP													
14...	9.9	--	--	.04	.030	.29	<.020	--	<.100	<.10	--	140	480

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
MAY				
01-01	--	19.8	<100	70
MAY				
01-01	--	52.2	<100	40
MAY				
01-01	--	23.5	120	30
MAY				
01-01	--	55.8	110	20
MAY				
02-02	--	48.2	170	20
MAY				
02-02	--	42.0	280	20
11...	15000	20.1	<100	80
11...	--	92.1	<100	90
MAY				
16-16	--	32.0	<100	60
MAY				
16-16	--	43.4	<100	30
MAY				
16-16	--	50.7	130	20
MAY				
16-16	--	25.3	<100	20
25...	--	65.5	<100	90
25...	20000	47.5	<100	80
MAY				
31-31	--	33.9	<100	50
MAY				
31-31	--	49.4	<100	30
MAY				
31-31	--	51.5	<100	20
MAY				
31-31	--	8.5	<100	20
JUN				
07-07	--	39.1	<100	70
JUN				
07-07	--	<2.5	<100	80
JUN				
07-07	--	15.9	<100	80
JUN				
07-07	--	56.5	<100	70
JUN				
07-07	--	58.4	<100	60
JUN				
14-14	--	--	<50	80
JUN				
14-14	--	--	<50	80
JUN				
14-14	--	--	<50	60
JUN				
14-14	--	--	<50	50
JUN				
14-14	--	--	<50	50
JUN				
15-15	--	--	<50	60
JUN				
15-15	--	--	200	50
JUN				
15-15	--	--	270	50
JUN				
15-15	--	--	130	40
24...	--	--	190	40
24...	140000	--	200	40
JUL				
21...	--	--	<50	70
21...	2900	--	<50	70
AUG				
18...	--	--	<50	70
18...	16000	--	<50	70
SEP				
14...	20200	--	--	--

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
23...	1031	--	9	9	80020	5.44	2.6	2.9	755	8.1	7.2	141	14.5
23...	1051	--	9	9	80020	5.44	2.6	2.0	755	8.1	7.2	141	15.0
NOV													
19-19	0057	0059	9	J	80020	7.02	105	400	--	6.8	6.9	60	17.9
NOV													
19-19	0142	0144	9	J	80020	8.37	286	650	--	6.8	6.7	49	18.1
JAN													
09-09	0951	1011	9	J	80020	5.85	13	15	744	11.1	7.2	131	6.5
JAN													
09-09	1036	1041	9	J	80020	5.82	12	17	744	11.2	7.2	130	2.5
30...	0901	--	9	9	80020	5.60	5.3	3.6	739	11.5	6.9	147	5.5
30...	0926	--	9	9	80020	5.60	5.3	4.4	739	11.6	6.9	147	5.5
FEB													
09...	1331	--	9	9	80020	5.64	6.3	8.5	--	11.8	--	65	6.5
09...	1346	--	9	9	80020	5.64	6.3	8.5	--	12.4	--	65	6.5
MAR													
10...	1201	--	9	9	80020	5.57	4.2	3.0	748	12.6	7.3	144	11.0
10...	1216	--	9	9	80020	5.57	4.2	2.8	748	12.6	7.3	144	11.0
APR													
01...	1216	--	9	9	80020	5.56	4.2	15	743	9.2	7.0	105	12.5
14...	0816	--	9	J	80020	5.63	6.0	19	743	9.7	7.1	121	10.5
14...	0831	--	9	J	80020	5.62	5.5	19	743	9.7	7.1	121	10.5
MAY													
11...	1216	--	9	9	80020	5.48	2.8	4.6	749	8.8	7.2	143	20.5
11...	1231	--	9	9	80020	5.48	2.8	5.5	749	8.8	7.2	134	20.5
25...	0826	--	9	9	80020	5.44	2.4	2.7	748	7.7	7.2	145	21.0
25...	0831	--	9	9	80020	5.44	2.4	2.5	748	7.6	7.2	145	21.0
JUN													
24...	0756	--	9	J	80020	5.59	4.9	35	748	6.6	7.2	85	23.0
24...	0801	--	9	J	80020	5.59	4.9	33	748	6.5	7.0	86	23.0
JUL													
21...	0741	--	9	9	80020	5.43	2.3	4.7	745	7.4	7.0	144	21.5
21...	0746	--	9	9	80020	5.43	2.3	2.9	746	7.5	7.2	144	21.5
AUG													
18...	0811	--	9	9	80020	5.41	2.1	9.8	740	7.5	7.1	134	21.0
18...	0816	--	9	9	80020	5.41	2.1	4.3	740	7.5	7.0	134	21.0
SEP													
14...	0901	--	9	9	80020	5.44	2.4	1.6	749	7.8	6.3	138	20.5

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT									
23...	2	<.04	<.8	.6	<.08	41.4	.62	<.2	3.2
23...	E2n	<.04	<.8	.7	<.08	40.4	.57	<.2	3.3
NOV									
19-19	103	<.04	E.5n	2.2	.89	44.5	.68	<.2	6.7
NOV									
19-19	100	<.04	E.4n	1.9	1.09	16.7	.53	<.2	6.1
JAN									
09-09	5	<.04	<.8	.9	.13	64.6	.69	<.2	7.7
JAN									
09-09	5	<.04	<.8	1.1	.14	60.9	.68	<.2	7.8
30...	3	<.04	<.8	.8	.13	79.6	.46	<.2	7.0
30...	3	<.04	<.8	.9	.10	81.2	.45	<.2	7.2
FEB									
09...	4	<.04	<.8	1.0	.15	85.4	.59	<.2	8.4
09...	4	<.04	<.8	1.0	.18	81.6	.57	<.2	7.9
MAR									
10...	4	<.04	<.8	.9	.11	59.6	.50	<.2	3.5
10...	3	<.04	<.8	.9	.11	59.9	.50	<.2	3.5
APR									
01...	9	<.04	<.8	4.0	.58	130	.80	<.2	11.3
14...	7	<.04	<.8	1.7	.55	77.4	.68	<.2	6.4
14...	7	<.04	<.8	1.6	.50	76.4	.62	<.2	6.3
MAY									
11...	3	<.04	<.8	.9	.11	50.4	.69	<.2	2.1
11...	3	.12	<.8	.9	.11	50.3	.86	<.2	2.3
25...	3	<.04	<.8	.9	.10	54.3	.67	<.2	2.4
25...	3	<.04	<.8	.9	.10	48.8	.62	<.2	2.3
JUN									
24...	12	<.04	<.8	3.0	.78	39.2	.75	<.2	5.9
24...	12	<.04	4.1	3.0	.77	42.9	.87	<.2	11.7
JUL									
21...	2	<.04	<.8	1.2	E.04n	47.1	.61	<.2	2.2
21...	2	<.04	<.8	1.0	E.05n	47.4	.59	<.2	1.8
AUG									
18...	3	<.04	<.8	.9	<.08	51.8	.27	<.2	3.8
18...	2	<.04	<.8	.9	E.05n	63.7	.28	<.2	2.6
SEP									
14...	3	<.04	<.8	1.0	<.08	50.4	.37	<.2	4.1

Date	Time	Medium code	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
23...	1051	9	--	9	80020	5.44	2.0	755	8.1	80	7.2	141	15.0
JAN													
09-09	0951	9	1011	J	80020	5.85	15	744	11.1	90	7.2	131	6.5
30...	0901	9	--	9	80020	5.60	3.6	739	11.5	94	6.9	147	5.5
FEB													
09...	1346	9	--	9	80020	5.64	8.5	--	12.4	--	--	65	6.5
MAR													
10...	1201	9	--	9	80020	5.57	3.0	748	12.6	116	7.3	144	11.0
APR													
01...	1201	9	--	9	80020	5.56	12	743	9.2	89	7.0	105	12.5
14...	0831	9	--	J	80020	5.62	19	743	9.7	89	7.1	121	10.5
MAY													
11...	1216	9	--	9	80020	5.48	4.6	749	8.8	100	7.2	143	20.5
25...	0831	9	--	9	80020	5.44	2.5	748	7.6	87	7.2	145	21.0
JUN													
24...	0801	9	--	J	80020	5.59	33	748	6.5	77	7.0	86	23.0
JUL													
21...	0746	9	--	9	80020	5.43	2.9	746	7.5	87	7.2	144	21.5
AUG													
18...	0816	9	--	9	80020	5.41	4.3	740	7.5	87	7.0	134	21.0
SEP													
14...	0901	9	--	9	80020	5.44	1.6	749	7.8	88	6.3	138	20.5

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)
OCT													
23...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5
JAN													
09-09	E.1	<.5	<.5	<.5	E1	M	<5	<1	<1	E1	<1	<2	E.1
30...	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5
FEB													
09...	<.5	<.5	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5
MAR													
10...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5
APR													
01...	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	E3	<1	<2	E1.6
14...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2	<.5
MAY													
11...	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5
25...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5
JUN													
24...	E.1	<.5	<.5	<.5	E1	<1	<5	<1	<1	<5	<1	<2	E.1
JUL													
21...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG													
18...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
SEP													
14...	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5

Date	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)
OCT													
23...	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	.5	E.1	<.5	<1	<.5
JAN													
09-09	<.5	E.1	<.5	<.5	E.1	E1	E1	M	<.5	E.3	E.1	<1	M
30...	<.5	E.1	<.5	<.5	E.1	<2	<2	<1	E.5	E.3	<.5	<1	<.5
FEB													
09...	<.5	E.1	<.5	<.5	<.5	<2	<2	<1	E.5	E.2	<.5	<1	<.5
MAR													
10...	<.5	<.5	<.5	<.5	M	<2	<2	<1	E.5	E.1	M	<1	<.5
APR													
01...	<.5	E.1	<.5	<.5	<.5	<2	<2	<1	<.5	E.7	M	<1	M
14...	<.5	E.1	M	<.5	E.1	<2	<2	<1	.8	E.1	M	M	<.5
MAY													
11...	<.5	E.1	<.5	<.5	<.5	<2	<2	M	.9	E.1	M	<1	<.5
25...	<.5	E.2	<.5	<.5	<.5	<2	<2	<1	.7	E.2	E.1	<1	<.5
JUN													
24...	<.5	E.1	<.5	<.5	<.5	E2	E2	M	<.5	E.2	<.5	M	<.5
JUL													
21...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG													
18...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
SEP													
14...	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	E.5t	E.1t	<.5	<1	<.5

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)
OCT													
23...	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5
JAN													
09-09	<.5	E2	<1.00	E.1	<.5	E2	M	<.5	<1	M	M	<.5	M
30...	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	E.1	<.5	<.5
FEB													
09...	<.5	M	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	E.1	<.5	<.5
MAR													
10...	<.5	M	<1.00	M	<.5	E2	<1	<.5	<1	<.5	M	<.5	<.5
APR													
01...	<.5	<2	E.1600	E.2	<.5	<5	<1	<.5	<1	<.5	<.5	E.1	<.5
14...	<.5	E2	<1.00	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5
MAY													
11...	<.5	<2	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5
25...	<.5	<2	<1.00	E.2	<.5	<5	<1	<.5	<1	<.5	E.1	<.5	<.5
JUN													
24...	<.5	2	<1.00	E.4	E.1	E4	M	<.5	M	E.1	E.1	<.5	<.5
JUL													
21...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG													
18...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
SEP													
14...	<.5	Mt	<1.00	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5

Date	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)
OCT													
23...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.3	<.5
JAN													
09-09	M	<.5	<.5	E.2	<.5	<.5	<.5	<.5	M	<2	M	E.3	<.5
30...	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	<2	<.5	.7	<.5
FEB													
09...	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5
MAR													
10...	M	<.5	<.5	E.1	<.5	<.5	<.5	<.5	<1	<2	<.5	E.4	<.5
APR													
01...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.7	<.5
14...	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	E1	M	E.3	<.5
MAY													
11...	<.5	<.5	<.5	E.1	<.5	E.1	<.5	<.5	<1	<2	<.5	.6	<.5
25...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5
JUN													
24...	<.5	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	M	<.5	.5	<.5
JUL													
21...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG													
18...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
SEP													
14...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT											
23...	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
JAN											
09-09	M	<.5	<.5	E.1	M	E.1	E.1	7.0	E.1	E.1	<1.00
30...	<.5	<.5	<.5	E.1	M	<.5	M	E.2	E.1	<.5	<1.00
FEB											
09...	<.5	<.5	<.5	<.5	M	<.5	E.1	E.3	<.5	E.1	<1.00
MAR											
10...	M	<.5	<.5	E.1	M	<.5	M	E.1	M	E.1	<1.00
APR											
01...	<.5	<.5	<.5	E.3	<1	<.5	E.2	3.2	E.1	E.1	<1.00
14...	M	<.5	<.5	E.1	<1	<.5	E.1	.7	E.1	E.1	<1.00
MAY											
11...	M	M	<.5	<.5	<1	<.5	E.1	<.5	E.1	E.1	<1.00
25...	E.2	<.5	<.5	<.5	<1	<.5	E.1	<.5	<.5	<.5	<1.00
JUN											
24...	E.1	<.5	<.5	<.5	M	<.5	E.1	.9	E.2	E.1	<1.00
JUL											
21...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
AUG											
18...	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r	--r
SEP											
14...	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
23...	1015	--	1	9	81350	5.44	2.6	2.9	755	8.1	80	7.2	141
OCT													
26-26	0757	0858	1	J	81350	5.70	8.2	320	--	--	--	7.0	108
OCT													
26-26	0926	1058	1	J	81350	6.06	23	260	--	--	--	7.2	115
OCT													
26-26	1126	1228	1	J	81350	6.09	25	290	--	--	--	7.2	119
OCT													
26-26	1256	1328	1	J	81350	6.27	37	400	--	--	--	7.0	81
NOV													
18-18	2026	2242	1	J	81350	5.88	15	15	--	6.3	--	7.0	124
NOV													
18-19	2326	0013	1	J	81350	6.27	37	38	--	6.5	--	7.0	144
NOV													
19-19	0056	0058	1	J	81350	7.02	105	400	--	6.8	--	6.9	60
NOV													
19-19	0141	0143	1	J	81350	8.37	286	650	--	6.8	--	6.7	49
NOV													
19-19	0226	0313	1	J	81350	9.95	543	530	--	7.0	--	6.6	38
NOV													
19-19	0356	0443	1	J	81350	7.21	127	300	--	7.0	--	6.6	46
DEC													
13-13	1752	1839	1	J	81350	5.70	8.2	24	--	11.6	--	7.2	116
DEC													
13-13	1922	2054	1	J	81350	6.22	33	17	--	11.6	--	7.2	109
DEC													
13-13	2137	2309	1	J	81350	6.05	23	31	--	10.6	--	7.2	99
DEC													
13-14	2352	0039	1	J	81350	5.97	19	38	--	10.8	--	7.0	69
DEC													
14-14	0124	0211	1	J	81350	6.15	29	77	--	11.2	--	7.0	64
JAN													
09-09	1037	1042	1	J	81350	5.82	12	17	744	11.2	84	7.2	130
30...	0927	--	1	9	81350	5.60	5.3	4.4	739	11.6	95	6.9	147
FEB													
02-02	1558	1645	1	J	81350	6.25	35	110	--	12.4	--	7.0	106
FEB													
02-02	1728	1813	1	J	81350	7.17	122	210	--	12.0	--	6.9	80
FEB													
02-02	1858	1945	1	J	81350	6.75	77	300	--	12.4	--	6.7	46
FEB													
06-06	0824	0911	1	J	81350	5.90	15	74	--	11.5	--	7.0	96
FEB													
06-06	0954	1041	1	J	81350	7.15	120	260	--	11.5	--	6.8	73
FEB													
06-06	1124	1211	1	J	81350	7.90	218	410	--	11.9	--	6.7	27
FEB													
06-06	1254	1341	1	J	81350	6.98	101	280	--	11.9	--	6.7	27
FEB													
06-06	1424	1556	1	J	81350	6.46	51	160	--	11.6	--	6.8	30
09...	1332	--	1	9	81350	5.64	6.3	8.7	--	11.8	--	--	65
MAR													
10...	1217	--	1	9	81350	5.57	4.2	3.0	748	12.6	116	7.3	144
APR													
01...	1217	--	1	9	81350	5.56	4.2	15	743	9.2	89	7.0	105
14...	0817	--	1	J	81350	5.63	6.0	19	743	9.7	89	7.1	121
MAY													
11...	1232	--	1	9	81350	5.48	2.8	5.5	749	8.8	100	7.2	134
MAY													
16-16	1928	1930	1	J	81350	7.67	186	510	--	6.9	--	7.2	81
MAY													
16-16	2013	2015	1	J	81350	6.91	93	350	--	7.4	--	6.9	56
25...	0827	--	1	9	81350	5.44	2.4	2.7	748	7.7	88	7.2	145
JUN													
14-14	1359	1401	1	J	81350	6.03	21	140	--	7.0	--	--	131
JUN													
14-14	1429	1431	1	J	81350	6.63	66	220	--	7.0	--	--	114
JUN													
14-14	1459	1501	1	J	81350	6.38	44	370	--	7.0	--	--	94
JUN													
14-14	1559	1601	1	J	81350	6.04	22	240	--	7.1	--	--	72
JUN													
14-14	1659	1701	1	J	81350	5.88	14	140	--	7.0	--	--	69

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT 23...	14.5	3.1	1.0	8.0	670	2	1.4	95	76	37	7.8	64	21
OCT 26-26	16.1	3.4	.2	1.1	490	M	<.1	28	6	9	1.0	32	11
OCT 26-26	16.2	2.2	.2	1.5	440	M	<.1	7	3	5	.600	23	7
OCT 26-26	16.6	3.4	.2	1.0	550	M	<.1	15	3	6	.600	31	9
OCT 26-26	17.2	3.4	.4	1.1	470	M	<.1	13	5	10	1.0	36	11
NOV 18-18	17.0	3.7	1.4	5.6	590	1	.7	18	13	30	2.4	44	24
NOV 18-19	17.4	6.1	.3	2.0	640	2	.3	18	6	16	1.6	48	25
NOV 19-19	17.9	7.8	.8	3.1	710	3	.6	40	15	37	3.1	80	31
NOV 19-19	18.1	7.5	1.2	3.3	700	2	.6	43	15	40	3.3	89	30
NOV 19-19	18.1	5.0	.4	1.8	610	1	.3	22	7	19	1.7	53	15
NOV 19-19	17.9	5.4	.5	3.1	530	2	.3	27	10	26	2.2	58	20
DEC 13-13	7.0	2.2	<.2	.2	430	<1	<.1	10	2	2	.500	20	4
DEC 13-13	7.2	2.9	<.1	.4	530	<1	<.1	14	2	3	.600	29	5
DEC 13-13	8.2	2.5	<.1	.3	520	<1	.1	8	2	3	.400	25	5
DEC 13-14	7.7	3.2	<.1	.3	540	<1	.1	9	2	4	.500	27	6
DEC 14-14	7.2	3.5	.1	.5	470	<1	.2	15	4	6	.800	25	7
JAN 09-09	2.5	7.5	2.2	4.0	510	2	.9	87	29	50	4.5	94	30
30...	5.5	8.4	1.6	4.8	960	3	.7	75	48	55	5.3	87	40
FEB 02-02	5.3	2.8	<.1	.5	420	<1	.3	14	3	6	.670	29	9
FEB 02-02	5.8	4.7	.7	3.3	530	1	.5	38	9	23	1.8	79	16
FEB 02-02	4.6	3.6	.1	1.5	490	<1	.4	26	5	14	1.2	50	12
FEB 06-06	6.5	6.7	1.5	3.1	580	2	.4	46	10	34	2.5	84	37
FEB 06-06	7.1	7.3	1.4	4.2	900	2	.6	46	11	37	2.7	110	32
FEB 06-06	6.8	8.4	1.8	6.2	500	2	.6	61	15	51	3.8	130	36
FEB 06-06	7.0	2.8	<.1	1.0	410	<1	.4	17	4	8	.790	32	8
FEB 06-06	7.7	5.1	1.2	4.3	470	1	.4	44	7	23	2.0	63	18
09...	6.5	11	1.0	6.0	490	3	.7	79	13	60	6.1	92	68
MAR 10...	11.0	3.9	.9	3.1	450	2	.7	63	19	57	4.2	54	23
APR 01...	12.5	7.1	5.5	6.6	530	2	1.0	73	57	91	6.4	120	36
14...	10.5	12	1.9	8.0	470	3	.4	170	17	76	6.1	120	64
MAY 11...	20.5	8.2	.9	5.7	520	3	<.2	--o	20	50	5.8	95	50
MAY 16-16	22.8	6.2	2.2	2.9	520	2	.6	42	10	39	2.7	93	14
MAY 16-16	23.0	7.3	2.8	5.0	520	2	.6	54	15	59	3.7	120	21
25...	21.0	7.4	2.8	7.3	580	3	.7	110	27	62	7.6	110	31
JUN 14-14	--	4.6	.8	1.3	590	1	.2	25	8	19	1.7	45	16
JUN 14-14	--	5.2	1.4	1.7	530	1	.3	31	8	23	1.7	59	17
JUN 14-14	--	7.1	3.2	4.2	530	2	.6	47	12	54	3.2	110	27
JUN 14-14	--	8.8	5.3	6.6	470	2	.9	67	15	78	4.1	150	35
JUN 14-14	--	7.3	6.5	8.9	390	2	.8	59	11	76	3.4	120	30

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT													
23...	14000	.09	7	59	1	<.5	340	<50	.120	68	540	53	2
OCT													
26-26	660	.03	1	13	M	<.5	89	<50	.095	26	75	<50	726
OCT													
26-26	220	.03	<1	4	M	<.5	110	<50	.050	15	29	<50	639
OCT													
26-26	240	.01	M	11	M	<.5	89	<50	.058	17	36	<50	2810
OCT													
26-26	350	.02	<1	7	M	<.5	83	<50	.110	28	50	<50	2800
NOV													
18-18	2600	--o	1	19	M	<2	440	<150	.150	39	170	<150	89
NOV													
18-19	530	.05	<1	9	M	<.5	100	<50	.200	41	77	<50	1800
NOV													
19-19	890	.06	<1	25	M	<1	110	<100	.320	85	160	<100	1370
NOV													
19-19	690	.10	2	25	M	<1	100	<100	.390	94	180	<100	1190
NOV													
19-19	320	.02	<1	12	M	<1	90	<100	.200	48	91	<100	1120
NOV													
19-19	440	--o	<1	120	M	<1	100	<100	.260	61	120	<100	398
DEC													
13-13	100	<.02	<1	3	<.2	<1	70	<100	.051	15	14	<100	115000
DEC													
13-13	140	<.01	<1	4	M	<.5	80	<50	.072	19	21	<50	9140
DEC													
13-13	90	<.01	<1	3	M	<.5	80	<50	.044	13	21	<50	3260
DEC													
13-14	110	<.01	<1	3	M	<.5	90	<50	.051	12	23	<50	3820
DEC													
14-14	170	.04	<1	9	M	<.5	80	<50	.082	23	37	<50	5070
JAN													
09-09	4400	.17	4	44	1	<1	65	<100	.290	95	470	<100	7
30...	6000	--o	3	37	M	<1	100	<100	.430	97	460	<100	3
FEB													
02-02	220	.04	<1	4	M	<1	67	<100	.089	21	35	<100	3270
FEB													
02-02	530	.10	2	14	M	<1	94	<100	.210	51	170	<100	716
FEB													
02-02	250	.04	<1	9	M	<2	83	<150	.150	36	79	<150	893
FEB													
06-06	920	--o	1	17	M	<1	180	<100	.240	58	230	<100	208
FEB													
06-06	680	.08	1	19	M	<1	110	<100	.320	75	210	<100	522
FEB													
06-06	800	--o	1	25	M	<1	98	<100	.350	94	280	<100	285
FEB													
06-06	180	.03	<1	5	M	<1	71	<100	.089	23	47	<100	1620
FEB													
06-06	390	.04	1	14	M	<1	150	<100	.170	52	160	<100	175
09...	840	--o	3	32	1	<1	150	<100	.340	97	280	<100	3
MAR													
10...	2800	--o	3	29	M	<1	180	<100	.190	59	250	<100	2
APR													
01...	11000	.08	4	36	3	<2	150	<150	.380	99	510	<150	4
14...	1000	.23	15	95	1	<.5	140	<50	.430	120	300	<50	5
MAY													
11...	3000	.06	--o	--o	1	<1	220	<100	.310	75	270	<100	3
MAY													
16-16	640	.07	M	20	1	<1	72	<100	.290	84	200	<100	495
MAY													
16-16	1100	--o	2	29	2	<1	98	<100	.350	98	290	<100	222
25...	3400	.10	7	56	2	<1	280	<100	.330	99	330	<100	2
JUN													
14-14	710	.07	M	11	M	<.5	110	<50	.220	44	100	<50	1190
JUN													
14-14	680	.09	M	14	M	<1	120	<100	.180	44	130	<100	722
JUN													
14-14	1000	.09	2	25	1	<2	180	<150	.340	82	280	<150	283
JUN													
14-14	1200	--o	4	35	2	<2	220	<150	.420	110	410	<150	121
JUN													
14-14	780	--o	6	31	3	<2	290	<150	.330	110	350	<150	101

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
JUN													
15-15	1531	1533	1	J	81350	5.79	20	--	--	--	--	--	--
JUN													
15-15	1603	1605	1	J	81350	6.06	23	--	--	--	--	--	--
JUN													
15-15	1631	1633	1	J	81350	5.98	19	--	--	--	--	--	--
JUN													
15-15	1703	1705	1	J	81350	7.76	198	--	--	--	--	--	--
24...	0757	--	1	J	81350	5.59	4.9	35	748	6.6	78	7.2	85
JUL													
21...	0742	--	1	9	81350	5.43	2.3	4.7	745	7.4	86	7.0	144
AUG													
18...	0812	--	1	9	81350	5.41	2.1	9.8	740	7.5	87	7.1	134

Date	Temper-ature, water, deg C (00010)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
JUN													
15-15	--	8.6	1.6	4.3	570	3	.3	31	9	37	2.9	90	46
JUN													
15-15	--	10	.6	2.9	650	4	.2	22	6	26	2.4	67	54
JUN													
15-15	--	12	1.0	3.8	650	4	.2	31	9	37	3.0	71	63
JUN													
15-15	--	4.1	.6	1.4	450	1	.2	22	5	18	1.3	47	11
24...	23.0	12	2.0	10	630	3	.6	100	16	77	6.3	150	48
JUL													
21...	21.5	6.4	2.0	7.1	650	2	1.0	180	27	68	6.3	92	32
AUG													
18...	21.0	7.9	1.3	5.8	590	3	.5	160	17	47	5.3	77	44

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
JUN													
15-15	1800	--o	2	17	M	<.5	190	<50	.280	59	190	<50	288
JUN													
15-15	800	.08	M	10	M	M	110	<50	.260	47	100	<50	1390
JUN													
15-15	810	.09	1	16	M	<1	140	<100	.350	74	140	<100	512
JUN													
15-15	280	.05	<1	10	M	<.5	80	<50	.150	37	83	<50	3010
24...	880	.16	8	71	1	M	70	<50	.520	150	320	<50	10
JUL													
21...	4300	.17	18	110	1	<1	240	<100	.260	83	310	<100	2
AUG													
18...	1500	.11	15	98	1	2	260	<100	.300	77	210	<100	3

Remark codes used in this table:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Null value qualifier codes used in this table:
o -- Insufficient amount of water
r -- Sample ruined in preparation
u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL
t -- Below the long-term MDL

APALACHICOLA RIVER BASIN
2004 Water Year

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA

LOCATION.—Lat 33°42'54", long 84°29'26", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at bridge on Childress DR, 1.8 miles upstream of confluence of Utoy Creek, 0.4 miles south of Cascade DR, and 0.6 miles east of Interstate 285.

DRAINAGE AREA.—9.28 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 28, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples with no medium code are surface water. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
17...	0950	9	9	81345	2.83	3.6	3.8	--	9.9	95	7.2	155	13.0
17...	1005	9	9	81345	2.83	3.6	3.1	--	10.2	98	7.2	155	13.5
JAN													
15...	1120	9	9	81345	2.73	4.5	60	744	8.9	78	6.9	176	8.5
15...	1200	9	9	81345	2.73	4.5	76	744	8.6	76	7.0	187	9.0
30...	1010	9	9	81345	2.72	6.6	4.0	741	11.9	97	6.9	153	5.5
30...	1045	9	9	81345	2.72	6.6	3.8	741	11.8	96	6.9	153	5.5
FEB													
09...	1115	9	9	81345	2.80	9.2	--	--	--	--	--	--	--
09...	1130	9	9	81345	2.80	9.2	--	--	--	--	--	--	--
MAR													
10...	1100	9	9	81345	2.83	6.0	3.0	751	11.8	109	7.2	151	11.0
10...	1115	9	9	81345	2.83	6.0	2.9	751	11.7	108	7.2	151	11.0
APR													
01...	1030	9	9	81345	2.83	6.2	6.1	743	10.5	100	7.1	132	12.0
01...	1045	9	9	81345	2.83	6.2	6.5	743	10.4	99	7.1	132	12.0
14...	1045	9	9	81345	2.87	7.2	17	743	10.3	96	7.0	121	11.0
14...	1100	9	9	81345	2.87	7.2	16	743	10.4	97	7.1	122	11.0
MAY													
11...	0845	9	9	81345	2.70	5.2	4.9	749	8.5	95	7.0	131	20.0
11...	0900	9	9	81345	2.70	5.2	4.7	749	8.4	93	7.0	135	19.5
25...	1055	9	9	81345	2.80	5.6	4.8	748	8.4	101	7.2	146	23.5
25...	1100	9	9	81345	2.80	5.6	3.5	748	8.4	100	7.1	148	23.0
JUN													
24...	1040	9	J	81345	2.87	8.2	39	750	7.7	92	7.0	96	23.5
24...	1045	9	J	81345	2.87	8.2	41	750	7.6	91	7.0	95	23.5
JUL													
22...	0910	9	9	81345	2.50	3.7	6.6	747	9.1	108	7.3	151	23.0
22...	0915	9	9	81345	2.50	3.7	2.8	747	9.2	110	7.3	151	23.0
AUG													
18...	0940	9	9	81345	2.62	3.1	3.4	742	8.4	99	7.2	149	22.0
18...	0945	9	9	81345	2.62	3.1	3.5	742	8.4	99	7.2	149	22.0
SEP													
21...	1215	9	9	81345	2.73	E4.5	16	750	8.7	95	7.0	152	19.0

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA—continued.

Date	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
OCT													
17...	49	14	12.8	4.05	3.19	.6	9.16	27	34.9	M	8.04	20.4	22.1
17...	48	12	12.5	4.03	3.09	.6	8.74	27	35.4	M	8.07	19.9	22.2
JAN													
15...	81	19	23.6	5.25	3.90	.9	18.0	31	62.3	.1	27.1	18.4	31.2
15...	83	21	24.6	5.33	3.96	.9	18.5	31	62.3	M	27.4	19.5	31.2
30...	63	36	16.8	5.18	3.32	.5	9.97	24	27.2	.5	13.8	16.4	44.5
30...	66	49	17.7	5.28	3.81	.7	12.4	28	16.6	.4	11.4	14.5	61.0
FEB													
09...	44	14	11.7	3.66	2.48	.4	6.55	23	30.1	<.02	7.58	18.3	21.0
09...	44	14	11.6	3.61	2.49	.4	6.53	23	30.0	<.02	7.23	18.1	20.6
MAR													
10...	55	22	14.8	4.45	2.85	.5	8.55	24	33.7	<.02	9.14	12.3	21.6
10...	50	16	13.0	4.18	2.33	.4	7.10	23	33.5	<.02	9.19	19.1	21.1
APR													
01...	43	11	11.6	3.35	2.74	.4	6.59	24	31.5	M	7.36	16.4	16.8
01...	43	12	11.7	3.41	2.76	.4	6.63	24	31.5	M	7.08	16.6	16.5
14...	41	11	11.3	3.11	3.01	.4	6.55	24	29.7	M	6.14	17.1	17.9
14...	40	10	10.7	3.05	2.91	.4	5.62	22	29.6	M	6.03	16.9	17.0
MAY													
11...	42	10	11.3	3.33	2.89	.4	6.47	24	32.0	.1	6.76	18.7	18.6
11...	44	12	12.0	3.50	2.92	.4	6.00	21	32.0	.1	6.34	20.0	17.5
25...	45	10	12.2	3.58	3.07	.5	8.12	26	35.2	.1	7.73	21.3	18.9
25...	48	13	12.8	3.82	3.00	.5	7.49	24	35.0	.1	7.68	22.9	18.9
JUN													
24...	30	8	8.30	2.13	3.25	.3	4.28	22	22.0	M	3.9	12.1	11.1
24...	28	6	8.00	2.05	3.09	.3	4.03	21	22.2	M	3.9	11.3	11.1
JUL													
22...	48	12	12.7	3.89	2.90	.5	8.13	26	35.8	M	7.2	18.6	19.4
22...	46	10	12.5	3.61	2.88	.5	8.13	26	35.9	M	7.2	17.1	19.4
AUG													
18...	47	12	12.7	3.58	3.19	.6	9.03	28	34.2	M	6.9	20.4	20.4
18...	47	13	12.7	3.66	2.99	.6	8.68	27	34.1	M	7.0	20.5	20.3
SEP													
21...	--	--	--	--	--	--	--	--	36.6	M	6.32	--	19.0

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA—continued.

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
OCT													
17...	104	.14	.03	.025	.64	<.020	--	<.100	<.10	.82	--	--	--
17...	103	.14	--	<.020	.64	<.020	--	<.100	<.10	.80	740	400	21400
JAN													
15...	174	.24	.39	.304	1.43	.070	1.35	.439	<.10	1.41	--	--	--
15...	176	.24	1.34	1.04	1.41	<.020	--	<.100	<.10	2.25	58000	5300k	>24000k
30...	134	.18	.07	.054	1.46	<.020	--	<.100	<.10	1.15	1300	410	15700
30...	146	.20	.08	.061	1.67	.080	--	<.100	<.10	1.21	--	--	--
FEB													
09...	94	.13	.05	.042	.96	<.020	--	<.100	<.10	1.16	--	--	--
09...	93	.13	.06	.044	.92	<.020	--	<.100	.10	1.14	1400	220k	4760
MAR													
10...	97	.13	.04	.030	.75	<.020	--	<.100	<.10	.80	1100	190	4100
10...	100	.14	--	<.020	.72	<.020	--	<.100	<.10	.83	--	--	--
APR													
01...	87	.12	.03	.020	.58	<.020	--	<.100	<.10	.75	360	220	17000
01...	86	.12	--	<.020	.56	<.020	--	<.100	<.10	.67	--	--	--
14...	86	.12	.04	.034	.60	<.020	--	<.100	<.10	.76	1500	1900	41000
14...	83	.11	.17	.129	.59	<.020	--	<.100	<.10	1.39	--	--	--
MAY													
11...	89	.12	.03	.026	.44	<.020	--	<.100	<.10	.49	--	--	--
11...	90	.12	.03	.025	.43	<.020	--	<.100	<.10	.38	390	1200	29000
25...	99	.13	.05	.042	.56	<.020	--	<.100	<.10	.69	--	--	--
25...	100	.14	.06	.046	.55	<.020	--	<.100	<.10	.74	390	300	41000
JUN													
24...	60	.08	--	<.010	.41	<.010	--	<.050	<.050	1.68	--	--	--
24...	59	.08	--	<.010	.40	<.010	--	<.050	<.050	.91	3000	3700	140000
JUL													
22...	96	.13	--	<.010	.38	<.010	--	<.050	<.050	--	--	--	--
22...	94	.13	--	<.010	.37	<.010	--	<.050	<.050	.99	110	230	69000
AUG													
18...	99	.13	--	--	.51	<.010	--	--	--	--	--	--	--
18...	99	.13	--	--	.51	<.010	--	--	--	--	130	180	17000
SEP													
21...	--	--	--	<.020	.73	<.020	--	<.100	<.10	--	270	400	>24000

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA—continued.

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT		
17...	<100	70
17...	<100	70
JAN		
15...	100	110
15...	<100	110
30...	160	70
30...	140	80
FEB		
09...	<100	70
09...	<100	70
MAR		
10...	<100	90
10...	<100	80
APR		
01...	<100	70
01...	<100	70
14...	<100	70
14...	<100	60
MAY		
11...	<100	70
11...	<100	80
25...	<100	80
25...	<100	80
JUN		
24...	<50	50
24...	<50	50
JUL		
22...	<50	80
22...	<50	80
AUG		
18...	<50	80
18...	<50	80
SEP		
21...	--	--

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
17...	0951	9	80020	2.83	3.6	3.8	--	9.9	7.2	155	13.0	2	<.04
17...	1006	9	80020	2.83	3.6	3.1	--	10.2	7.2	155	13.5	2	<.04
JAN													
15...	1121	9	80020	2.73	4.5	60	744	8.9	6.9	176	8.5	7	<.04
15...	1201	9	80020	2.73	4.5	76	744	8.6	7.0	187	9.0	11	<.04
30...	1011	9	80020	2.72	6.6	4.0	741	11.9	6.9	153	5.5	7	E.03n
30...	1046	9	80020	2.72	6.6	3.8	741	11.8	6.9	153	5.5	7	E.03n
FEB													
09...	1116	9	80020	2.80	9.2	--	--	--	--	--	--	7	E.02n
09...	1131	9	80020	2.80	9.2	--	--	--	--	--	--	8	E.02n
MAR													
10...	1101	9	80020	2.83	6.0	3.0	751	11.8	7.2	151	11.0	6	<.04
10...	1116	9	80020	2.83	6.0	2.9	751	11.7	7.2	151	11.0	7	<.04
APR													
01...	1046	9	80020	2.83	6.2	6.5	743	10.4	7.1	132	12.0	8	E.03n
14...	1046	9	80020	2.87	7.2	17	743	10.3	7.0	121	11.0	10	<.04
14...	1101	9	80020	2.87	7.2	16	743	10.4	7.1	122	11.0	10	<.04
MAY													
11...	0846	9	80020	2.70	5.2	4.9	749	8.5	7.0	131	20.0	5	<.04
11...	0901	9	80020	2.70	5.2	4.7	749	8.4	7.0	135	19.5	5	<.04
25...	1056	9	80020	2.80	5.6	4.8	748	8.4	7.2	146	23.5	5	E.04n
25...	1101	9	80020	2.80	5.6	3.5	748	8.4	7.1	148	23.0	5	<.04
JUN													
24...	1041	J	80020	2.87	8.2	39	750	7.7	7.0	96	23.5	9	<.04
24...	1046	J	80020	2.87	8.2	41	750	7.6	7.0	95	23.5	11	<.04
JUL													
22...	0911	9	80020	2.50	3.7	6.6	747	9.1	7.3	151	23.0	3	<.04
22...	0916	9	80020	2.50	3.7	2.8	747	9.2	7.3	151	23.0	3	<.04
AUG													
18...	0941	9	80020	2.62	3.1	3.4	742	8.4	7.2	149	22.0	3	<.04
18...	0946	9	80020	2.62	3.1	3.5	742	8.4	7.2	149	22.0	3	<.04
SEP													
21...	1216	9	80020	2.73	E4.5	16	750	8.7	7.0	152	19.0	3	E.03n

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
17...	<.8	1.8	<.08	74.9	.62	<.2	6.7
17...	<.8	1.7	<.08	71.5	.66	<.2	3.1
JAN							
15...	<.8	2.2	E.07n	113	1.40	<.2	7.4
15...	<.8	3.4	.10	104	1.29	<.2	6.2
30...	<.8	1.4	E.04n	142	1.08	<.2	10.7
30...	<.8	1.3	E.05n	144	1.08	<.2	10.5
FEB							
09...	<.8	1.6	E.05n	109	1.06	<.2	9.7
09...	<.8	1.5	E.06n	118	1.04	<.2	9.8
MAR							
10...	<.8	1.5	E.04n	114	.95	<.2	5.6
10...	<.8	1.6	E.06n	117	.98	<.2	5.7
APR							
01...	<.8	2.5	.10	127	.98	<.2	10.3
14...	<.8	2.8	.19	65.0	.92	<.2	6.3
14...	<.8	2.9	.17	67.6	.87	<.2	6.0
MAY							
11...	<.8	3.3	.09	65.0	.67	<.2	3.9
11...	<.8	2.7	E.06n	64.6	.75	<.2	3.4
25...	<.8	2.1	E.05n	92.4	.54	<.2	2.9
25...	<.8	2.0	E.05n	93.1	.54	<.2	2.9
JUN							
24...	E.5n	4.3	.20	24.9	.74	<.2	3.4
24...	<.8	4.8	.20	25.8	.78	<.2	3.3
JUL							
22...	<.8	1.8	<.08	81.3	.82	<.2	2.3
22...	<.8	1.7	<.08	88.1	.80	<.2	2.4
AUG							
18...	<.8	2.0	<.08	65.7	.46	<.2	3.7
18...	<.8	1.8	<.08	65.2	.40	<.2	2.6
SEP							
21...	<.8	1.8	<.08	129	.81	<.2	6.5

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)
OCT													
17...	1006	80020	2.83	3.6	--	10.2	--	7.2	155	13.5	<.5mc	<.5	<.5
JAN													
15...	1201	80020	2.73	4.5	744	8.6	76	7.0	187	9.0	E.1	<.5	<.5
30...	1011	80020	2.72	6.6	741	11.9	97	6.9	153	5.5	E.1	<.5	<.5
FEB													
09...	1131	80020	2.80	9.2	--	--	--	--	--	--	<.5	<.5	<.5
MAR													
10...	1101	80020	2.83	6.0	751	11.8	109	7.2	151	11.0	<.5	<.5	<.5
APR													
01...	1031	80020	2.83	6.2	743	10.5	100	7.1	132	12.0	<.5	<.5	<.5
14...	1046	80020	2.87	7.2	743	10.3	96	7.0	121	11.0	<.5	M	M
MAY													
11...	0901	80020	2.70	5.2	749	8.4	93	7.0	135	19.5	<.5	<.5	<.5
25...	1101	80020	2.80	5.6	748	8.4	100	7.1	148	23.0	<.5	<.5	<.5
JUN													
24...	1046	80020	2.87	8.2	750	7.6	91	7.0	95	23.5	<.5	<.5	<.5
JUL													
22...	0916	80020	2.50	3.7	747	9.2	110	7.3	151	23.0	<.5	<.5	<.5
AUG													
18...	0946	80020	2.62	3.1	742	8.4	99	7.2	149	22.0	<.5	<.5	<.5
SEP													
21...	1216	80020	2.73	E4.5	750	8.7	95	7.0	152	19.0	<.5	<.5	<.5

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA—continued.

Date	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)
OCT													
17...	<.5	<2	<1	<5mc	<1	<1	<5mc	<1	<2	<.5	<.5	M	<.5
JAN													
15...	<.5	M	M	<5	<1	<1	E1	<1	<2	<.5	<.5	E.2	<.5
30...	<.5	M	M	<5	<1	<1	<5	<1	<2	E.1	<.5	E.1	M
FEB													
09...	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1	<.5
MAR													
10...	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5
APR													
01...	<.5	<2	M	<5	<1	<1	E1	<1	<2	E.6	<.5	M	M
14...	M	<2	M	<5	<1	<1	M	<1	<2	E.1	<.5	M	M
MAY													
11...	<.5	<2	<1	<5	<1	<1	M	<1	<2	E.1	<.5	<.5	M
25...	<.5	M	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1	<.5
JUN													
24...	<.5	M	<1	<5	<1	<1	<5	<1	<2	E.1	<.5	E.1	E.1
JUL													
22...	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	Mt
AUG													
18...	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5
SEP													
21...	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5

Date	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)
OCT													
17...	<.5	<.5	<2	<2	<1	.7	E.1	<.5	<1mc	<.5	<.5	<2	<1.00
JAN													
15...	<.5	E.1	<2	<2	<1	E.5	1.0	M	<1	<.5	<.5	E2	E.1800
30...	<.5	E.1	<2	<2	<1	.5	E.1	<.5	<1	M	<.5	E1	<1.00
FEB													
09...	<.5	<.5	<2	<2	<1	.5	E.1	<.5	<1	<.5	<.5	M	<1.00
MAR													
10...	<.5	M	<2	<2	<1	.5	E.2	M	<1	<.5	<.5	<2	<1.00
APR													
01...	<.5	M	<2	<2	<1	2.6	E.2	M	<1	M	<.5	<2	<1.00
14...	<.5	M	<2	<2	<1	.5	E.2	M	M	M	<.5	<2	<1.00
MAY													
11...	<.5	<.5	<2	<2	M	.7	E.1	M	<1	M	<.5	<2	<1.00
25...	<.5	<.5	E1	E1	<1	.7	E.2	E.1	<1	<.5	<.5	E1	<1.00
JUN													
24...	<.5	<.5	M	<2	M	E.5	E.1	M	M	<.5	<.5	M	<1.00
JUL													
22...	<.5	<.5	<2	<2	Mt	<.5	E.1t	Mt	<1	<.5	<.5	<2	<1.00
AUG													
18...	<.5	<.5	<2	<2	<1	E.2t	<.5	<.5	<1	<.5	<.5	<2	<1.00
SEP													
21...	<.5	<.5	<2	<2	<1	E.2t	E.1t	<.5	<1	<.5	<.5	<2	<1.00

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA—continued.

Date	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)
OCT													
17...	E.1	<.5	<5mc	<1mc	<.5mc	<1mc	<.5	E.1	<.5	<.5	<.5	<.5mc	<.5
JAN													
15...	E.1	<.5	<5	M	<.5	<1	<.5	E.1	E.1	<.5	<.5	<.5	<.5
30...	E.1	<.5	E2	M	<.5	<1	M	E.1	<.5	<.5	<.5	<.5	<.5
FEB													
09...	<.5	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	M	<.5	E.1
MAR													
10...	M	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	<.5	<.5	<.5
APR													
01...	E.1	<.5	<5	<1	<.5	<1	M	M	M	<.5	<.5	<.5	<.5
14...	E.1	M	E2	<1	<.5	<1	E.1	E.1	M	<.5	M	<.5	<.5
MAY													
11...	E.1	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5
25...	E.3	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5
JUN													
24...	E.2	<.5	<5	<1	<.5	<1	E.1	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
22...	E.1t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5	<.5	<.5
AUG													
18...	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5
SEP													
21...	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)
OCT													
17...	<.5	<.5	M	<.5	E.1	M	<2mc	<.5	<.5	<.5	<.5	<.5mc	<.5mc
JAN													
15...	.7	<.5	E.1	<.5	<.5	M	M	<.5	E.4	<.5	<.5	<.5	<.5
30...	E.1	<.5	<.5	<.5	<.5	M	<2	M	E.1	<.5	<.5	<.5	<.5
FEB													
09...	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.2	<.5	M	<.5	<.5
MAR													
10...	E.1	<.5	<.5	<.5	<.5	<1	M	<.5	.7	<.5	M	<.5	<.5
APR													
01...	E.1	<.5	<.5	<.5	<.5	M	E4	M	E1.9	<.5	<.5	M	<.5
14...	E.1	<.5	<.5	<.5	M	M	E1	E.1	E.5	<.5	E.1	M	<.5
MAY													
11...	<.5	<.5	<.5	<.5	<.5	M	M	M	.9	<.5	M	<.5	<.5
25...	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	E.3	<.5	M	<.5	<.5
JUN													
24...	E.1	<.5	E.1	<.5	<.5	M	E1	M	.7	E.2	E.1	<.5	<.5
JUL													
22...	<.5	<.5	<.5	<.5	<.5	Mt	<2	Mt	E.4t	<.5	Mt	<.5	<.5
AUG													
18...	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5
SEP													
21...	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<1.5	<.5	<.5	<.5	<.5

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA—continued.

Date	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT								
17...	<.5	M	<.5	<.5	<.5	<.5	M	<1.00mc
JAN								
15...	E.1	M	E.1	M	.7	M	E.1	<1.00
30...	E.1	M	<.5	M	E.2	<.5	E.1	<1.00
FEB								
09...	<.5	<1	<.5	E.1	E.2	E.1	E.1	<1.00
MAR								
10...	E.1	M	<.5	M	M	M	E.1	<1.00
APR								
01...	E.1	<1	<.5	M	E1.0	E.1	E.1	<1.00
14...	E.1	<1	<.5	E.1	.6	E.1	E.1	<1.00
MAY								
11...	E.1	<1	<.5	E.1	E.3	E.1	E.1	<1.00
25...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
JUN								
24...	<.5	<1	<.5	E.1	3.8	E.1	E.1	<1.00
JUL								
22...	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u
AUG								
18...	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u
SEP								
21...	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
17...	0950	1	9	81350	2.83	3.6	3.8	--	9.9	--	7.2	155	13.0
JAN													
15...	1122	1	9	81350	2.73	4.5	60	744	8.9	78	6.9	176	8.5
30...	1047	1	9	81350	2.72	6.6	3.8	741	11.8	96	6.9	153	5.5
FEB													
09...	1117	1	9	81350	2.80	9.2	--	--	--	--	--	--	--
MAR													
10...	1117	1	9	81350	2.83	6.0	2.9	751	11.7	108	7.2	151	11.0
APR													
01...	1047	1	9	81350	2.83	6.2	6.5	743	10.4	99	7.1	132	12.0
14...	1102	1	9	81350	2.87	7.2	16	743	10.4	97	7.1	122	11.0
MAY													
11...	0847	1	9	81350	2.70	5.2	4.9	749	8.5	95	7.0	131	20.0
25...	1057	1	9	81350	2.80	5.6	4.8	748	8.4	101	7.2	146	23.5
JUN													
24...	1042	1	J	81350	2.87	8.2	39	750	7.7	92	7.0	96	23.5
JUL													
22...	0912	1	9	81350	2.50	3.7	6.6	747	9.1	108	7.3	151	23.0
AUG													
18...	0942	1	9	81350	2.62	3.1	3.4	742	8.4	99	7.2	149	22.0
SEP													
21...	1217	1	9	81350	2.73	E4.5	16	750	8.7	95	7.0	152	19.0

02336706 SOUTH UTOY CREEK AT CHILDRESS DRIVE, NEAR BEN HILL, GA—continued.

Date	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)
OCT													
17...	6.4	.7	4.1	480	2	.3	97	19	88	3.2	44	23	1800
JAN													
15...	9.8	.7	2.5	640	3	.2	110	30	82	6.0	52	41	1700
30...	8.2	1.5	7.9	870	6	1.9	150	190	130	6.0	73	29	17000
FEB													
09...	8.9	.9	6.1	670	4	.7	100	24	110	5.4	81	34	1300
MAR													
10...	3.9	.5	4.2	380	3	.7	76	27	360	3.5	36	18	3000
APR													
01...	6.4	3.1	6.5	570	3	.9	100	59	180	5.4	180	25	9200
14...	12	1.1	7.1	540	3	.3	120	21	140	5.1	85	45	1200
MAY													
11...	7.9	.6	5.2	520	3	<.2	--o	22	140	4.6	90	32	2000
25...	9.5	1.1	5.1	680	3	.3	180	32	110	5.1	63	33	3500
JUN													
24...	13	1.0	7.3	520	3	.4	130	19	110	5.8	100	43	760
JUL													
22...	7.9	1.4	5.0	750	2	.7	120	27	86	4.7	87	26	3900
AUG													
18...	8.4	.9	5.6	560	2	1.2	400	24	130	4.6	82	25	2000
SEP													
21...	9.4	.9	7.2	530	3	.4	230	26	110	5.8	59	36	1500

Date	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT												
17...	.09	6	55	M	<.5	290	<50	.370	76	210	<50	3
JAN												
15...	.19	1	55	M	<.5	160	<50	.590	190	180	<50	15
30...	--o	7	74	2	<2	160	<150	.430	100	810	<150	2
FEB												
09...	--o	4	53	1	<1	190	<100	.430	120	310	<100	3
MAR												
10...	--o	4	43	M	1	230	<100	.220	63	240	<100	2
APR												
01...	--o	5	51	2	<1	230	<100	.320	89	430	<100	3
14...	.39	7	66	1	<.5	160	<50	.530	130	290	<50	5
MAY												
11...	.07	--o	--o	1	<1	270	<100	.470	100	270	<100	3
25...	.08	11	92	1	<.5	200	<50	.560	120	240	<50	4
JUN												
24...	.24	6	79	1	<.5	90	<50	.620	160	250	<50	13
JUL												
22...	.19	8	76	1	1	220	<100	.480	95	280	<100	2
AUG												
18...	.10	35	250	M	2	240	<100	.510	100	210	<100	3
SEP												
21...	.46	19	150	2	<1	290	<100	.580	130	260	<100	3

Remark cod Remark codes used in this table:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Null value qualifier codes used in this table:
o -- Insufficient amount of water
u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
c -- See laboratory comment
k -- Counts outside acceptable range
m -- Value is highly variable by this method
n -- Below the LRL and above the LT-MDL
t -- Below the long-term MDL

2004 Water Year

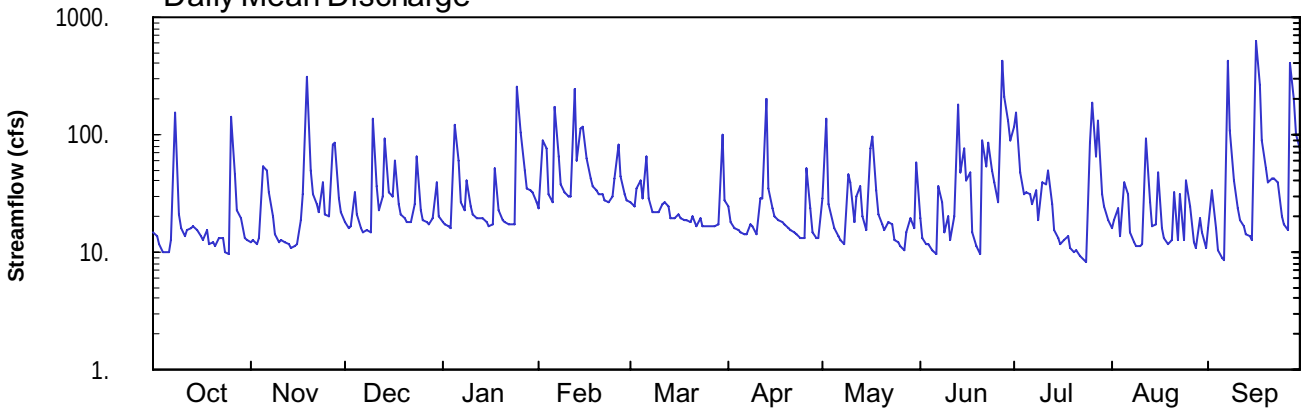
APALACHICOLA RIVER BASIN

02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA

Latitude: 33°44'36" Longitude: 084°34'06" Hydrologic Unit Code: 03130002

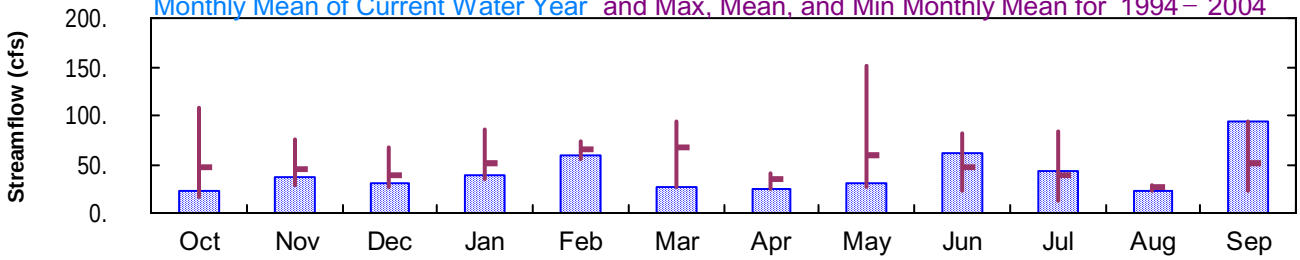
Fulton County Datum: 660.10 feet Drainage Area: 33.9 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1994 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'36", long 84°34'06", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on the upstream side of bridge on Great Southwest Parkway, 0.3 miles downstream from GA 70, and 0.3 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—33.9 square miles.

COOPERATION.—City of Atlanta**.**

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 30, 2002 to current year**.**

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 660.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 30, 2002 to current year**.**

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 660.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage height recorded, 19.59 feet, September 17; minimum gage height recorded, 2.82 feet, September 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 30, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91* CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	12	18	18	24	26	24	29	e19	119	16	16
2	14	13	16	18	90	25	18	137	e13	154	19	34
3	12	12	17	17	77	35	16	25	e12	47	24	16
4	10	13	32	16	31	41	16	19	12	31	13	10
5	9.9	53	21	123	27	29	15	16	10	32	e39	9.0
6	10	50	16	61	e175	65	14	14	9.6	31	e31	8.5
7	13	32	15	27	64	28	14	13	36	25	15	e418
8	152	21	15	23	38	22	17	12	e26	33	12	e107
9	21	14	15	40	32	21	17	47	e15	19	11	40
10	16	12	137	24	30	22	14	40	e20	39	11	23
11	14	13	37	21	29	25	28	18	e13	38	12	19
12	15	12	23	20	249	27	28	30	e20	50	e91	17
13	16	12	30	19	60	25	198	36	e176	25	26	14
14	17	11	94	19	111	19	34	20	e47	15	16	14
15	15	11	32	18	117	19	24	15	e77	13	17	13
16	14	12	29	17	62	21	20	76	41	12	48	e632
17	13	18	61	17	43	19	19	95	48	12	16	e266
18	15	32	25	51	37	19	18	e34	15	14	13	e90
19	12	e315	21	22	33	19	17	e21	11	11	12	e52
20	12	e49	19	19	31	18	16	17	9.7	10	13	40
21	11	32	18	18	30	20	15	15	88	10	32	42
22	13	26	18	17	27	17	15	18	53	9.3	13	e42
23	13	22	26	17	26	20	14	18	85	9.0	31	e38
24	10	39	66	17	29	17	13	13	49	8.4	13	e20
25	9.6	21	22	e253	42	17	13	12	39	86	40	18
26	141	20	19	e102	83	17	52	11	26	e187	24	15
27	45	83	18	49	44	17	23	11	421	65	12	e400
28	23	86	17	35	31	16	15	15	211	129	11	e201
29	19	29	19	34	28	17	13	e19	131	31	20	e101
30	13	22	40	32	---	100	13	e16	89	24	15	78
31	13	---	21	27	---	28	---	e59	---	19	11	---
TOTAL	726.5	1097	957	1191	1700	811	753	921	1822.3	1307.7	677	2793.5
MEAN	23.4	36.6	30.9	38.4	58.6	26.2	25.1	29.7	60.7	42.2	21.8	93.1
MAX	152	315	137	253	249	100	198	137	421	187	91	632
MIN	9.6	11	15	16	24	16	13	11	9.6	8.4	11	8.5
CFSM	0.69	1.08	0.91	1.13	1.73	0.77	0.74	0.88	1.79	1.24	0.64	2.75
IN.	0.80	1.20	1.05	1.31	1.86	0.89	0.83	1.01	2.00	1.43	0.74	3.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	46.5	44.0	38.0	50.1	64.4	68.1	35.5	58.7	47.7	38.0	26.0	50.3
MAX	108	75.0	68.2	86.6	74.1	94.6	41.6	151	81.8	84.2	28.2	93.1
(WY)	1996	1996	2003	1996	1995	1996	1995	2003	2003	2003	1995	2004
MIN	16.9	29.4	27.1	35.2	54.3	26.2	25.1	25.5	21.9	12.2	21.8	22.9
(WY)	1997	1997	1995	2003	2003	2004	2004	1995	1995	1995	2004	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	20396.5		14757.0			
ANNUAL MEAN	55.9		40.3		43.1	
HIGHEST ANNUAL MEAN					52.8	1996
LOWEST ANNUAL MEAN					36.1	1995
HIGHEST DAILY MEAN	1200	May 6	e 632	Sep 16	1700	Oct 4 1995
LOWEST DAILY MEAN	9.6	Oct 25	8.4	Jul 24	5.0	Jul 25 1995
ANNUAL SEVEN-DAY MINIMUM	11	Sep 7	10	Jul 18	6.3	Jul 19 1995
ANNUAL RUNOFF (CFSM)	1.65		1.19		1.27	
ANNUAL RUNOFF (INCHES)	22.38		16.19		17.25	
10 PERCENT EXCEEDS	103		87		70	
50 PERCENT EXCEEDS	28		20		24	
90 PERCENT EXCEEDS	13		12		12	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91* CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	2.95	3.06	3.06	3.13	3.16	3.14	3.17	---	3.73	2.98	2.95
2	2.97	2.95	3.04	3.05	3.52	3.14	3.06	3.83	---	3.91	3.01	3.19
3	2.93	2.94	3.04	3.04	3.50	3.24	3.04	3.15	---	3.34	3.08	2.97
4	2.90	2.96	3.21	3.03	3.21	3.30	3.02	3.07	2.96	3.21	2.94	2.88
5	2.90	3.26	3.10	3.67	3.16	3.18	3.01	3.03	2.93	3.20	3.18	2.85
6	2.90	3.33	3.03	3.41	4.42	3.42	3.00	3.00	2.91	3.19	3.23	2.84
7	2.96	3.20	3.02	3.17	3.44	3.18	3.00	2.97	3.12	3.12	2.96	6.80
8	3.88	3.07	3.02	3.13	3.27	3.12	3.05	2.96	---	3.21	2.91	4.41
9	3.08	2.98	3.01	3.28	3.22	3.11	3.04	3.19	---	3.07	2.89	3.25
10	3.01	2.95	3.81	3.14	3.20	3.11	3.00	3.25	---	3.17	2.89	3.08
11	2.98	2.95	3.25	3.10	3.19	3.15	3.17	3.06	---	3.23	2.91	3.02
12	3.00	2.95	3.12	3.08	4.41	3.16	3.13	3.13	---	3.27	3.97	2.99
13	3.01	2.94	3.18	3.08	3.42	3.14	4.15	3.22	---	3.14	3.12	2.96
14	3.02	2.92	3.59	3.08	3.69	3.08	3.24	3.09	---	3.02	2.99	2.94
15	3.00	2.93	3.22	3.06	3.73	3.08	3.14	3.02	---	2.99	2.97	2.92
16	2.98	2.94	3.19	3.04	3.44	3.11	3.09	3.35	3.27	2.96	3.26	6.70
17	2.95	3.04	3.41	3.05	3.31	3.08	3.07	3.60	3.31	2.97	2.98	18.48
18	2.99	3.14	3.15	3.35	3.26	3.07	3.06	---	3.01	3.00	2.93	9.31
19	2.94	9.08	3.10	3.12	3.23	3.07	3.05	---	2.95	2.94	2.90	3.47
20	2.94	3.56	3.08	3.07	3.21	3.06	3.03	3.05	2.91	2.92	2.92	3.26
21	2.93	3.21	3.06	3.06	3.20	3.09	3.02	3.02	3.41	2.93	3.15	3.28
22	2.96	3.15	3.06	3.05	3.17	3.04	3.01	3.05	3.35	2.91	2.93	3.44
23	2.96	3.11	3.12	3.05	3.16	3.08	3.00	3.05	3.50	2.90	3.13	3.33
24	2.90	3.26	3.43	3.05	3.19	3.04	2.99	2.98	3.31	2.88	2.92	3.29
25	2.89	3.10	3.12	5.24	3.29	3.04	2.98	2.97	3.22	3.31	3.12	3.00
26	3.79	3.09	3.07	4.08	3.55	3.04	3.33	2.95	3.15	5.50	3.08	2.97
27	3.29	3.48	3.06	3.36	3.31	3.04	3.12	2.93	5.17	3.44	2.92	5.48
28	3.10	3.56	3.05	3.24	3.21	3.04	3.01	2.98	4.21	3.77	2.89	12.78
29	3.06	3.19	3.07	3.23	3.18	3.05	2.98	---	3.79	3.17	3.02	4.60
30	2.96	3.11	3.28	3.22	---	3.62	2.98	---	3.55	3.10	2.96	3.50
31	2.95	---	3.10	3.17	---	3.18	---	---	---	3.02	2.89	---
MEAN	3.04	3.31	3.16	3.25	3.39	3.14	3.10	---	---	3.24	3.03	4.56
MAX	3.88	9.08	3.81	5.24	4.42	3.62	4.15	---	---	5.50	3.97	18.48
MIN	2.89	2.92	3.01	3.03	3.13	3.04	2.98	---	---	2.88	2.89	2.84

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91* CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	---	0.98	0.00	0.05
2	0.00	0.00	0.00	0.00	0.69	0.02	0.00	0.21	---	0.01	0.32	0.07
3	0.00	0.00	0.04	0.00	0.12	0.00	0.00	0.00	---	0.25	0.01	0.00
4	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	---	0.18	0.00	0.00
5	0.00	0.67	0.00	0.76	0.00	0.00	0.00	0.00	---	0.56	0.64	0.00
6	0.08	0.19	0.00	0.00	1.04	0.42	0.00	0.00	---	0.01	0.00	0.11
7	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.20	0.00	3.03
8	1.46	0.00	0.00	0.03	0.00	0.00	0.14	0.00	---	0.01	0.00	0.03
9	0.00	0.00	0.00	0.24	0.00	0.01	0.00	0.55	---	0.25	0.00	0.00
10	0.01	0.00	1.09	0.00	0.05	0.00	0.00	0.17	---	0.00	0.03	0.00
11	0.00	0.00	0.00	0.00	0.24	0.00	0.28	0.00	---	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.88	0.00	0.52	---	---	0.45	1.08	0.00
13	0.00	0.00	0.42	0.00	0.01	0.00	0.61	---	---	0.00	0.00	0.00
14	0.05	0.00	0.17	0.00	0.47	0.00	0.00	---	---	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.45	0.00	0.00	---	---	0.00	0.00	0.00
16	0.00	0.01	0.25	0.00	0.00	0.11	0.00	---	0.38	0.00	0.00	4.19
17	0.13	0.16	0.10	0.28	0.00	0.00	0.00	---	0.01	0.06	0.00	0.12
18	0.00	1.11	0.00	0.09	0.00	0.00	0.00	---	0.00	0.01	0.00	0.00
19	0.00	1.45	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
21	0.00	0.00	0.00	0.00	0.03	0.04	0.00	0.00	0.35	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.01	0.00
23	0.00	0.00	0.62	0.00	0.00	0.00	0.00	---	0.70	0.00	0.00	0.00
24	0.00	0.28	0.00	0.02	0.05	0.00	0.00	0.00	0.03	0.00	0.00	0.00
25	0.00	0.00	0.00	2.29	---	0.00	0.00	0.00	0.04	2.22	0.09	0.00
26	3.01	0.00	0.00	0.01	---	0.00	0.74	0.00	0.00	0.05	0.00	0.00
27	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	2.81	0.18	0.00	2.85
28	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.06	0.35	0.01	0.27	0.00
29	0.00	0.00	0.08	0.00	0.00	0.00	0.00	---	0.00	0.00	0.31	0.00
30	0.00	0.00	0.19	0.00	---	0.97	0.07	---	0.41	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.18	---	---	---	0.03	0.00	---
TOTAL	4.91	5.00	3.29	3.72	---	1.75	2.36	---	---	5.46	3.01	10.45

APALACHICOLA RIVER BASIN
2004 Water Year

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY NEAR ATLANTA, GA

LOCATION.—Lat 33°44'36", long 84°34'06", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on the upstream side of bridge on Great Southwest Parkway, 0.3 miles downstream from GA 70, and 0.3 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—33.9 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—June 28, 1963 to July 25, 1995, February 2, 2000 to December 11, 2000, April 10, 2003 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: April 10, 2003 to current year.
pH: April 10, 2003 to current year.
WATER TEMPERATURE: April 10, 2003 to current year.
DISSOLVED OXYGEN: April 10, 2003 to current year.
TURBIDITY: April 10, 2003 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance, which is fair, and for turbidity and dissolved oxygen, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 217 microsiemens, April 15, 2004; minimum recorded, 21 microsiemens, September 17, 2004.
pH: Maximum recorded, 7.7 units, on several days; minimum recorded, 5.8 units, September 28, 29, 2004.
WATER TEMPERATURE: Maximum recorded, 28.7°C, August 2, 2004; minimum recorded, 3.2°C, December 21, 2003.
DISSOLVED OXYGEN: Maximum recorded, 12.9 mg/L, February 2, 2004; minimum recorded, <0.5 mg/L, September 18, 2004.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY NEAR ATLANTA, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 217 microsiemens, April 15; minimum recorded, 21 microsiemens, September 17.

pH: Maximum recorded, 7.7 units, on several days; minimum recorded, 5.8 units, September 28, 29.

WATER TEMPERATURE: Maximum recorded, 28.7°C, August 2; minimum recorded, 3.2°C, December 21.

DISSOLVED OXYGEN: Maximum recorded, 12.9 mg/L, February 2; minimum recorded, <0.5 mg/L, September 18.

TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	126	124	125	119	112	115	---	---	---	115	110	112
2	128	124	126	125	117	121	130	---	---	121	115	118
3	141	126	132	128	121	125	131	129	130	126	121	123
4	146	141	143	124	119	121	131	107	119	131	124	128
5	145	136	142	132	37	112	124	119	121	124	51	94
6	145	138	143	101	71	88	124	119	121	88	57	74
7	143	136	139	114	98	107	128	124	126	104	88	97
8	137	35	75	123	114	117	131	128	130	113	104	109
9	112	86	100	138	123	131	132	128	130	113	86	106
10	128	112	122	141	135	138	132	53	80	111	105	107
11	139	128	133	144	138	140	98	67	85	117	108	113
12	147	128	136	144	138	141	111	98	106	122	117	119
13	129	128	129	145	139	143	116	75	106	122	120	122
14	133	128	129	146	140	144	109	74	82	125	122	124
15	131	124	127	146	139	143	99	83	93	127	124	126
16	133	129	131	145	138	142	110	86	104	130	127	129
17	141	131	137	145	---	---	111	77	97	132	120	131
18	147	137	142	---	---	---	107	93	101	130	103	117
19	148	140	144	---	---	---	118	107	113	117	109	113
20	145	139	142	---	---	---	129	117	122	128	117	123
21	145	133	139	---	---	---	127	121	123	133	128	131
22	144	126	138	---	---	---	123	122	122	136	133	135
23	141	123	128	---	---	---	123	71	116	136	134	135
24	142	136	140	---	---	---	114	71	92	137	135	136
25	146	137	141	---	---	---	106	90	98	136	56	86
26	144	29	88	80	77	78	115	106	111	95	61	78
27	81	60	71	80	47	70	120	114	118	---	90	---
28	94	81	88	---	52	---	124	119	121	---	---	---
29	102	93	96	---	---	---	125	110	122	---	105	---
30	112	102	110	---	---	---	116	94	108	117	109	113
31	117	111	114	---	---	---	117	110	114	122	117	120
MONTH	148	29	124	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	124	122	122	124	122	123	118	110	115	132	67	124
2	128	41	106	126	124	126	120	116	118	114	55	71
3	96	61	77	126	105	115	125	119	122	115	89	104
4	112	96	105	110	106	107	127	125	126	125	115	120
5	120	112	117	128	110	119	130	127	128	129	124	127
6	121	49	79	132	69	110	130	127	128	129	123	126
7	90	61	77	115	100	108	129	126	128	134	125	128
8	105	90	98	124	115	120	131	114	126	135	127	132
9	110	105	108	127	124	125	129	125	127	134	67	120
10	113	110	112	127	119	126	129	127	128	114	83	104
11	113	95	112	120	116	118	128	76	115	---	---	---
12	95	44	63	120	116	117	122	51	114	---	---	---
13	98	69	86	125	119	120	133	44	87	115	80	102
14	100	75	86	139	125	133	162	116	139	129	115	124
15	87	59	79	134	130	132	217	158	185	123	120	121
16	99	69	85	133	127	130	176	153	162	128	51	116
17	111	99	106	130	128	129	161	138	153	90	50	67
18	117	111	115	130	126	128	138	123	126	94	---	---
19	122	117	120	129	125	127	136	123	126	116	---	---
20	123	122	122	130	124	127	136	129	131	125	116	121
21	124	122	123	131	125	128	133	131	132	128	124	127
22	125	124	125	132	130	131	134	131	132	129	116	126
23	126	124	125	132	123	128	134	132	133	135	124	129
24	126	123	125	131	127	130	134	131	133	131	128	129
25	126	113	122	130	125	128	135	132	133	133	129	131
26	120	85	99	130	126	128	135	54	112	134	131	133
27	108	93	100	130	126	128	117	111	114	140	133	135
28	118	108	114	131	127	129	122	115	119	141	129	137
29	122	118	119	132	129	130	127	122	124	137	111	122
30	---	---	---	139	48	90	130	127	128	---	104	---
31	---	---	---	111	87	100	---	---	---	---	---	---
MONTH	128	41	104	139	48	122	217	44	128	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	103	33	73	98	95	96	148	141	143
2	---	---	---	84	48	67	99	75	94	166	112	129
3	122	---	---	107	76	94	101	89	96	125	111	117
4	128	122	124	132	97	115	103	100	102	134	124	127
5	134	127	129	125	58	114	101	59	91	135	130	133
6	132	128	129	126	112	119	79	74	76	139	134	136
7	132	49	117	128	61	120	90	79	85	135	25	60
8	110	90	103	124	81	106	96	89	92	103	78	86
9	116	110	113	132	107	126	102	96	99	99	84	92
10	125	116	120	133	87	127	105	102	104	118	99	109
11	130	123	126	106	82	93	104	102	103	130	118	124
12	134	127	130	119	64	103	105	46	63	154	129	138
13	134	95	118	112	80	98	81	59	72	147	122	127
14	117	85	101	125	112	119	93	81	88	135	127	130
15	122	42	101	131	124	127	100	93	97	131	129	130
16	93	68	80	135	130	132	96	55	71	132	21	81
17	103	78	91	137	133	134	118	90	108	---	---	---
18	114	103	109	134	129	132	123	118	122	71	40	49
19	118	114	116	138	133	135	129	123	126	86	49	70
20	124	118	120	137	132	135	131	108	126	83	79	81
21	125	70	110	137	130	134	133	110	118	85	83	84
22	101	74	85	138	129	134	121	112	116	85	84	85
23	105	64	91	138	131	135	122	73	100	86	84	85
24	98	71	82	138	132	135	119	103	109	139	85	115
25	109	98	105	139	28	125	128	78	115	139	137	138
26	108	98	102	66	42	56	103	83	93	138	136	137
27	115	43	88	79	66	73	120	103	113	138	32	100
28	80	48	68	81	48	62	131	116	125	---	---	---
29	87	62	73	85	70	78	137	69	116	---	---	---
30	110	47	90	92	85	89	134	115	125	---	---	---
31	---	---	---	95	90	93	141	130	138	---	---	---
MONTH	---	---	---	139	28	109	141	46	103	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.9	6.6	6.7	6.7	6.5	6.6	---	---	---	6.8	6.7	6.8
2	7.0	6.7	6.8	6.7	6.5	6.6	---	---	---	6.7	6.7	6.7
3	7.0	6.7	6.8	6.7	6.5	6.6	7.1	7.1	7.1	6.8	6.6	6.7
4	6.9	6.6	6.7	6.7	6.5	6.6	7.1	7.0	7.1	7.0	6.8	6.9
5	6.9	6.6	6.7	6.9	6.4	6.6	7.1	7.0	7.0	7.1	6.9	7.0
6	6.9	6.5	6.6	6.7	6.6	6.6	7.1	7.0	7.0	7.1	7.0	7.0
7	6.8	6.5	6.7	7.2	6.7	7.2	7.1	7.1	7.1	7.2	7.1	7.2
8	6.6	6.2	6.4	7.3	7.1	7.2	7.1	7.0	7.1	7.2	7.2	7.2
9	6.6	6.4	6.5	7.2	7.1	7.1	7.1	7.0	7.0	7.2	7.1	7.2
10	6.8	6.6	6.6	7.2	7.0	7.1	7.1	6.8	6.9	7.1	7.1	7.1
11	6.8	6.6	6.7	7.2	7.1	7.1	7.0	6.9	6.9	7.2	7.1	7.1
12	6.8	6.6	6.7	7.2	7.0	7.1	7.0	6.9	7.0	7.2	7.1	7.2
13	6.9	6.7	6.7	7.2	7.0	7.1	7.0	6.9	7.0	7.2	7.1	7.1
14	6.9	6.6	6.8	7.1	6.9	7.1	7.0	6.8	6.9	7.2	7.1	7.2
15	6.9	6.7	6.7	7.1	7.0	7.0	7.0	6.9	6.9	7.2	7.0	7.2
16	6.9	6.7	6.7	7.1	7.0	7.0	6.9	6.8	6.9	7.2	7.1	7.2
17	6.8	6.6	6.7	---	---	---	7.0	6.8	6.9	7.2	7.2	7.2
18	6.8	6.5	6.6	---	---	---	6.9	6.8	6.9	7.2	7.0	7.2
19	6.7	6.5	6.6	---	---	---	6.9	6.9	6.9	7.0	6.9	6.9
20	6.8	6.5	6.6	---	---	---	6.9	6.9	6.9	7.1	6.9	7.0
21	6.8	6.6	6.7	---	---	---	7.0	6.9	6.9	7.2	7.0	7.1
22	6.9	6.6	6.7	---	---	---	6.9	6.7	6.8	7.2	7.0	7.2
23	7.0	6.6	6.8	---	---	---	6.9	6.7	6.8	7.2	7.0	7.2
24	6.8	6.6	6.6	---	---	---	6.9	6.6	6.7	7.2	6.9	7.0
25	6.8	6.5	6.6	---	---	---	6.7	6.6	6.7	7.2	7.0	7.0
26	6.6	6.2	6.5	6.6	6.6	6.6	6.8	6.6	6.8	7.1	7.0	7.1
27	6.7	6.5	6.6	6.9	6.6	6.6	6.8	6.6	6.6	---	---	---
28	6.8	6.7	6.8	---	---	---	6.7	6.6	6.6	---	---	---
29	6.9	6.7	6.8	---	---	---	6.8	6.6	6.6	---	---	---
30	6.8	6.6	6.7	---	---	---	6.8	6.6	6.8	7.0	7.0	7.0
31	6.8	6.6	6.6	---	---	---	6.8	6.6	6.7	7.0	7.0	7.0
MAX	7.0	6.7	6.8	---	---	---	---	---	---	---	---	---
MIN	6.6	6.2	6.4	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.0	7.0	7.0	7.2	7.1	7.1	7.1	7.1	7.1	7.2	7.0	7.1
2	7.0	6.7	7.0	7.2	7.1	7.2	7.2	7.1	7.1	7.1	6.6	6.9
3	6.9	6.9	6.9	7.3	7.1	7.2	7.2	7.1	7.1	7.1	7.0	7.1
4	7.0	6.9	7.0	7.3	7.2	7.2	7.3	7.1	7.2	7.2	7.1	7.1
5	7.0	7.0	7.0	7.3	7.2	7.2	7.3	7.1	7.2	7.2	7.1	7.1
6	7.0	6.7	6.8	7.2	7.0	7.1	7.2	7.1	7.1	7.2	7.1	7.1
7	6.9	6.8	6.9	7.2	7.0	7.1	7.3	7.1	7.1	7.2	7.1	7.2
8	7.0	6.9	7.0	7.3	7.1	7.2	7.2	7.0	7.1	7.3	7.1	7.2
9	7.0	7.0	7.0	7.3	7.1	7.2	7.3	7.1	7.2	7.3	6.7	7.2
10	7.0	7.0	7.0	7.3	7.2	7.2	7.3	7.1	7.2	7.1	6.9	7.0
11	7.0	7.0	7.0	7.3	7.1	7.2	7.2	6.9	7.1	---	---	---
12	7.0	6.7	6.8	7.3	7.2	7.2	7.1	6.7	7.0	---	---	---
13	6.9	6.8	6.9	7.4	7.2	7.2	6.9	6.5	6.8	7.1	7.0	7.0
14	7.0	6.9	6.9	7.3	7.1	7.2	7.0	6.7	6.9	7.2	7.1	7.2
15	7.0	6.8	6.9	7.4	7.1	7.2	7.0	6.7	6.8	7.2	7.1	7.1
16	7.0	6.9	6.9	7.4	7.0	7.2	7.1	6.7	6.9	7.2	6.5	7.1
17	7.0	7.0	7.0	7.4	7.1	7.2	7.1	6.8	6.9	6.9	6.6	6.8
18	7.0	7.0	7.0	7.3	7.1	7.2	7.1	6.8	6.9	---	---	---
19	7.1	7.0	7.0	7.4	7.1	7.2	7.2	6.9	7.1	---	---	---
20	7.2	7.1	7.1	7.5	7.1	7.2	7.2	7.1	7.2	7.2	7.1	7.1
21	7.2	7.1	7.2	7.6	7.1	7.2	7.3	7.1	7.2	7.2	7.1	7.2
22	7.2	7.1	7.1	7.4	7.2	7.2	7.3	7.2	7.2	7.2	7.1	7.1
23	7.1	7.1	7.1	7.4	7.1	7.2	7.3	7.2	7.2	7.2	7.1	7.1
24	7.2	7.1	7.1	7.5	7.1	7.2	7.3	7.2	7.2	7.2	7.1	7.1
25	7.2	7.1	7.1	7.6	7.1	7.2	7.3	7.2	7.2	7.3	7.1	7.2
26	7.1	7.0	7.0	7.7	7.1	7.2	7.2	6.8	7.1	7.3	7.1	7.2
27	7.0	7.0	7.0	7.6	7.1	7.2	7.1	7.0	7.0	7.3	7.1	7.2
28	7.1	7.0	7.1	7.7	7.1	7.2	7.2	7.0	7.1	7.3	6.9	7.2
29	7.1	7.1	7.1	7.5	7.1	7.2	7.2	7.1	7.1	7.3	7.0	7.0
30	---	---	---	7.2	6.8	6.9	7.2	7.1	7.1	---	---	---
31	---	---	---	7.1	6.9	7.0	---	---	---	---	---	---
MAX	7.2	7.1	7.2	7.7	7.2	7.2	7.3	7.2	7.2	---	---	---
MIN	6.9	6.7	6.8	7.1	6.8	6.9	6.9	6.5	6.8	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	6.9	6.4	6.8	6.9	6.8	6.9	7.2	6.9	7.0
2	---	---	---	6.8	6.5	6.7	7.0	6.6	6.9	7.2	6.8	6.9
3	---	---	---	6.8	6.8	6.8	7.0	6.8	6.8	6.9	6.8	6.8
4	7.2	7.0	7.1	6.8	6.7	6.8	6.9	6.8	6.8	6.9	6.8	6.9
5	7.2	7.0	7.1	7.0	6.7	6.8	7.1	6.7	6.9	7.0	6.9	7.0
6	7.3	7.0	7.1	7.0	6.7	6.8	6.8	6.7	6.8	7.0	6.9	6.9
7	7.2	6.5	7.1	7.0	6.8	7.0	6.9	6.8	6.9	6.9	6.4	6.6
8	7.0	6.8	6.9	7.0	6.8	6.9	7.0	6.9	6.9	6.9	6.7	6.9
9	7.1	7.0	7.0	7.0	6.9	7.0	7.0	6.9	6.9	7.0	6.9	6.9
10	7.1	7.0	7.0	7.0	6.7	7.0	6.9	6.9	6.9	7.0	6.9	7.0
11	7.1	7.0	7.0	6.8	6.6	6.8	7.0	6.9	6.9	7.0	6.9	7.0
12	7.2	7.0	7.0	7.0	6.5	6.9	6.9	6.6	6.6	7.0	7.0	7.0
13	7.2	6.8	7.0	6.7	6.5	6.6	6.8	6.7	6.8	7.1	7.0	7.0
14	7.0	6.8	7.0	7.1	6.7	7.0	6.9	6.8	6.8	7.1	7.0	7.0
15	7.1	6.6	7.0	7.2	7.0	7.0	7.0	6.8	6.9	7.2	7.0	7.0
16	6.9	6.7	6.8	7.2	7.0	7.1	7.2	6.6	6.8	7.0	6.1	7.0
17	7.0	6.9	6.9	7.2	7.0	7.1	7.0	6.8	7.0	---	---	---
18	7.0	6.9	7.0	7.3	7.0	7.1	7.1	7.0	7.0	6.7	6.1	6.2
19	7.1	7.0	7.0	7.4	7.0	7.1	7.1	7.0	7.0	6.9	6.6	6.8
20	7.2	7.0	7.1	7.5	7.0	7.1	7.2	6.8	7.0	6.9	6.8	6.9
21	7.2	6.5	7.0	7.6	7.0	7.1	7.1	6.8	6.9	6.9	6.9	6.9
22	6.8	6.7	6.8	7.6	7.0	7.1	7.0	6.8	6.9	6.9	6.9	6.9
23	7.0	6.6	6.9	7.4	7.0	7.1	7.1	6.8	6.9	6.9	6.9	6.9
24	7.0	6.7	6.9	7.2	7.0	7.0	7.0	6.8	6.9	7.0	6.9	6.9
25	7.1	6.9	7.0	7.4	6.3	7.0	7.1	6.8	7.0	7.0	7.0	7.0
26	7.0	6.9	7.0	6.8	6.2	6.6	6.8	6.8	6.8	7.1	7.0	7.0
27	7.1	6.3	7.0	6.9	6.8	6.8	7.0	6.8	6.9	7.0	6.2	7.0
28	6.9	6.4	6.8	6.8	6.4	6.7	7.0	6.9	7.0	6.2	5.8	6.0
29	7.7	6.6	6.7	6.9	6.8	6.8	7.0	6.7	6.9	6.3	5.8	6.1
30	6.9	6.5	6.9	6.9	6.8	6.9	7.0	6.9	6.9	6.4	6.1	6.1
31	---	---	---	6.9	6.8	6.9	7.0	6.9	7.0	---	---	---
MAX	---	---	---	7.6	7.0	7.1	7.2	7.0	7.0	---	---	---
MIN	---	---	---	6.7	6.2	6.6	6.8	6.6	6.6	---	---	---

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.7	15.3	16.8	17.5	14.1	15.6	---	---	---	8.2	5.7	6.7
2	18.0	14.9	16.2	17.6	14.2	15.7	---	---	---	9.6	7.0	8.3
3	16.9	13.8	15.2	17.6	14.1	15.7	7.7	7.0	7.3	11.9	8.7	10.4
4	18.0	14.0	15.8	18.3	15.6	16.9	7.4	6.7	7.0	13.6	11.1	12.2
5	19.0	15.1	16.9	22.2	17.6	19.0	7.5	6.7	7.1	14.9	12.0	13.7
6	19.5	16.9	18.1	21.0	19.6	20.1	7.2	6.0	6.8	12.0	7.1	9.3
7	19.6	18.0	18.7	19.9	17.8	19.0	7.3	5.2	6.1	7.1	4.1	5.2
8	19.4	18.5	18.9	17.8	16.0	17.0	7.4	5.0	5.9	4.7	3.6	4.1
9	19.9	18.6	19.2	16.4	14.0	15.4	8.2	5.6	6.9	5.7	4.7	5.4
10	19.9	18.7	19.2	14.8	12.6	13.6	11.3	7.8	10.1	5.7	4.4	5.3
11	19.0	18.3	18.6	14.8	11.7	13.1	9.4	6.7	7.8	5.4	3.4	4.3
12	20.5	18.1	19.1	16.6	12.7	14.4	7.7	5.9	6.7	6.3	3.7	4.8
13	20.6	18.3	19.4	15.3	11.4	13.9	7.4	6.3	6.7	8.2	5.1	6.5
14	21.0	18.1	19.8	11.8	9.5	10.6	7.1	6.3	6.7	8.8	6.4	7.5
15	18.3	15.7	17.2	12.4	8.9	10.4	7.8	5.9	6.9	9.8	7.7	8.8
16	17.2	13.9	15.5	13.7	10.0	11.7	9.4	6.0	7.3	8.5	6.2	7.2
17	15.9	13.5	14.7	---	---	---	9.6	6.9	8.1	7.8	6.2	6.8
18	16.2	13.5	14.7	---	---	---	7.1	5.2	6.3	9.5	7.6	8.7
19	16.7	13.1	14.8	---	---	---	7.4	5.5	6.5	9.4	5.5	7.8
20	17.2	13.6	15.2	---	---	---	5.8	4.0	5.0	6.0	4.1	4.9
21	18.1	14.3	16.1	---	---	---	5.3	3.2	4.1	6.5	3.8	4.8
22	18.0	15.3	16.6	---	---	---	6.3	3.6	4.7	6.9	4.2	5.2
23	17.8	15.0	16.3	---	---	---	10.7	4.8	6.8	6.4	4.3	5.1
24	17.1	14.2	15.5	---	---	---	9.8	7.3	9.0	7.7	4.0	5.6
25	17.6	14.8	15.9	---	---	---	7.3	5.3	6.1	9.9	6.6	8.4
26	18.0	16.0	17.2	10.6	8.1	9.3	6.7	4.6	5.5	6.6	6.1	6.2
27	17.9	15.7	17.2	13.4	9.5	11.2	6.9	4.6	5.5	6.7	6.0	---
28	15.7	13.9	14.5	---	---	---	7.3	4.9	5.9	---	---	---
29	15.5	13.1	14.2	---	---	---	9.3	5.8	7.4	---	---	---
30	16.1	12.7	14.2	---	---	---	10.3	7.6	8.9	7.3	4.8	6.0
31	16.8	13.5	15.0	---	---	---	7.9	5.9	6.9	6.9	4.9	5.9
MONTH	21.0	12.7	16.7	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	4.9	5.9	13.8	9.2	11.4	13.9	10.5	12.2	20.3	18.2	19.1
2	6.5	4.7	5.9	15.9	13.0	14.4	15.8	10.8	12.9	20.0	18.0	19.2
3	7.5	5.1	6.1	15.7	14.2	14.8	17.9	12.5	14.6	18.0	14.8	16.3
4	7.1	5.1	6.2	16.6	14.3	15.3	17.1	12.7	14.3	17.7	13.6	15.4
5	6.7	6.1	6.6	17.3	15.3	16.2	17.0	11.7	13.8	19.5	14.4	16.6
6	7.8	6.6	7.1	17.5	16.1	16.9	18.2	12.2	14.7	21.9	16.5	18.8
7	7.8	5.4	6.6	17.1	13.8	15.4	18.7	13.3	15.6	22.8	17.5	19.8
8	6.6	4.2	5.5	14.5	11.3	13.0	18.5	15.3	16.5	23.6	18.0	20.5
9	7.0	5.7	6.2	12.4	9.9	11.1	19.5	14.8	16.7	23.7	19.1	21.0
10	7.8	6.3	6.9	13.2	9.1	10.7	18.1	14.0	16.0	22.7	19.9	21.1
11	8.6	7.7	8.1	13.4	9.0	10.9	16.9	15.2	16.1	---	---	---
12	8.3	6.8	7.3	14.4	10.3	11.9	18.2	15.8	16.7	---	---	---
13	9.2	6.5	7.7	14.6	10.4	12.0	16.2	12.5	14.7	22.0	20.5	21.1
14	9.2	8.2	8.7	15.7	11.9	13.4	14.6	11.0	12.5	22.5	20.3	21.0
15	8.9	8.2	8.6	17.1	13.8	15.2	16.6	11.8	13.9	23.1	19.8	21.1
16	8.3	7.3	7.9	18.1	14.7	16.0	18.3	13.2	15.4	23.7	17.9	21.1
17	8.4	7.1	7.8	16.9	13.2	14.7	19.5	14.5	16.6	22.7	19.7	20.5
18	9.3	6.5	7.8	14.2	12.1	13.1	20.6	15.5	17.7	---	---	---
19	9.7	6.3	8.1	18.0	12.1	14.5	21.2	16.6	18.5	22.5	---	---
20	10.1	7.8	9.0	18.8	13.9	15.9	21.1	17.4	18.9	23.5	20.5	21.8
21	12.6	10.1	11.0	18.1	12.7	15.9	20.0	17.2	18.4	25.1	20.9	22.7
22	11.3	8.4	9.8	14.4	10.1	12.1	21.6	17.0	18.9	23.5	21.9	22.5
23	9.4	8.8	9.2	14.1	9.1	11.1	22.1	17.7	19.6	24.9	21.2	22.6
24	10.5	9.3	10	15.5	9.7	12.1	22.5	17.9	19.9	24.7	20.7	22.5
25	10.4	8.7	9.8	17.8	11.7	14.1	22.3	18.3	20.1	25.8	21.3	23.2
26	8.7	5.7	6.4	19.8	14.0	16.3	19.8	17.7	19.1	25.9	21.9	23.6
27	7.4	5.8	6.5	19.2	14.9	16.8	19.1	15.8	17.2	26.1	21.8	23.6
28	9.6	5.5	7.4	21.0	15.2	17.7	19.2	14.5	16.5	25.4	21.8	23.3
29	10.3	7.1	8.7	18.7	16.3	17.2	20.0	15.3	17.4	23.8	22.2	22.9
30	---	---	---	18.2	15.1	16.6	19.6	17.7	18.5	---	---	---
31	---	---	---	16.9	12.6	14.8	---	---	---	---	---	---
MONTH	12.6	4.2	7.7	21.0	9.0	14.2	22.5	10.5	16.5	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	25.1	22.6	23.2	27.0	24.3	25.4	24.7	23.1	23.8
2	---	---	---	23.6	22.5	23.1	28.7	24.2	25.6	24.0	22.9	23.3
3	22.3	---	---	24.5	22.9	23.6	26.9	24.3	25.4	23.9	22.6	23.1
4	24.1	20.3	21.9	27.1	23.1	24.2	27.3	23.8	25.4	24.2	21.6	22.8
5	23.9	19.6	21.6	27.1	23.8	25.0	27.9	23.7	25.1	24.2	21.7	22.9
6	24.4	20.6	22.3	26.1	23.7	24.7	25.5	23.2	24.5	23.3	22.0	22.6
7	24.3	21.0	22.1	25.6	23.2	24.2	24.8	21.6	23.0	23.1	21.8	22.6
8	22.9	21.5	22.1	25.9	23.4	24.3	24.2	20.3	22.2	23.1	22.4	22.7
9	23.2	21.6	22.2	26.8	23.4	24.4	23.5	20.3	21.9	23.8	21.6	22.5
10	25.2	21.5	23.1	26.3	23.6	24.8	22.3	21.1	21.7	23.9	21.9	22.6
11	26.6	22.1	24.1	26.9	24.5	25.5	23.6	20.4	21.9	24.1	21.5	22.6
12	27.2	22.9	24.9	27.4	24.5	25.3	23.4	21.8	22.6	24.2	21.6	22.7
13	25.6	23.4	24.2	26.9	24.1	25.3	23.0	20.6	21.8	23.3	21.5	22.3
14	25.4	23.4	24.2	27.9	24.2	25.6	23.2	19.3	21.0	22.8	20.6	21.6
15	26.0	23.6	24.2	27.0	23.9	25.1	23.5	19.9	21.5	21.6	20.7	21.2
16	26.1	23.5	24.5	25.9	22.6	24.1	24.2	21.9	22.8	23.3	21.4	22.3
17	25.9	23.5	24.7	25.1	22.9	23.8	25.1	21.8	23.2	---	22.4	---
18	27.4	24.2	25.4	26.7	23.2	24.6	25.0	21.7	23.3	22.4	21.0	21.8
19	27.8	24.1	25.6	26.3	22.6	24.2	24.9	21.6	23.2	21.0	19.1	19.9
20	27.6	23.5	25.1	25.6	21.9	23.7	26.1	22.0	23.7	19.6	18.3	18.9
21	26.6	23.7	24.5	26.3	22.1	24.0	24.3	22.9	23.5	19.8	17.9	18.7
22	27.6	23.8	24.8	26.5	22.6	24.5	25.5	22.7	23.8	20.1	17.9	18.8
23	25.7	23.9	24.5	27.5	23.3	25.2	24.6	23.2	23.8	20.7	18.0	19.2
24	24.2	23.5	23.9	27.4	23.6	25.4	25.3	22.6	23.9	21.5	18.9	20.1
25	25.3	23.3	24.2	27.2	24.1	25.4	24.4	23.0	23.6	21.8	19.4	20.5
26	24.4	23.1	23.7	25.8	23.7	24.9	24.9	22.8	23.7	21.5	19.3	20.4
27	25.0	22.8	23.6	25.7	24.7	25.2	25.6	22.6	23.9	21.2	19.9	20.3
28	24.2	22.9	23.6	25.2	23.7	24.5	25.9	22.9	24.3	21.1	20.0	20.5
29	23.8	22.8	23.3	25.3	23.9	24.5	26.5	23.1	24.2	20.9	20.0	20.4
30	23.8	22.5	23.1	26.5	23.8	24.8	26.0	23.2	24.4	20.2	18.9	19.6
31	---	---	---	26.4	24.1	25.0	25.9	22.9	24.3	---	---	---
MONTH	---	---	---	27.9	21.9	24.6	28.7	19.3	23.5	---	17.9	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	9.2	7.1	8.2	---	---	---	10.3	9.0	9.8
2	---	---	---	9.0	7.1	7.8	---	---	---	10.1	7.4	9.2
3	---	---	---	8.9	7.1	7.7	10.9	10.6	10.7	10.0	7.2	8.7
4	---	---	---	8.4	6.3	7.2	11.0	10.6	10.8	---	---	---
5	---	---	---	---	---	---	10.8	10.5	10.6	---	---	---
6	---	---	---	---	---	---	10.9	10.6	10.7	---	---	---
7	---	---	---	---	---	---	11.2	10.9	11.0	---	---	---
8	---	---	---	8.2	7.3	7.8	11.2	10.8	11.0	---	---	---
9	---	---	---	8.4	7.2	7.7	11.0	10.4	10.7	---	---	---
10	7.4	7.0	7.2	8.9	7.3	8.1	10.5	9.4	9.9	---	---	---
11	7.6	6.6	7.1	9.2	7.8	8.3	10.5	9.8	10.2	---	---	---
12	7.5	6.1	6.9	8.7	6.8	7.8	11.1	10.4	10.7	---	---	---
13	7.8	7.1	7.4	7.9	6.1	7.2	11.0	10.3	10.7	---	---	---
14	7.7	6.8	7.2	9.5	7.5	8.5	11.3	10.4	10.9	---	---	---
15	8.3	7.0	7.7	9.8	7.7	8.8	11.2	10.4	10.8	---	---	---
16	9.0	8.0	8.4	10.1	7.9	9.0	11.2	10.1	10.7	---	---	---
17	9.0	7.6	8.2	---	---	---	10.8	10.0	10.4	---	---	---
18	9.0	7.1	8.0	---	---	---	11.3	9.8	10.8	---	---	---
19	8.6	6.6	7.5	---	---	---	11.2	10.3	10.7	---	---	---
20	8.4	6.4	7.3	---	---	---	11.6	10.6	11.1	---	---	---
21	8.8	6.3	7.3	---	---	---	12.2	10.7	11.6	---	---	---
22	8.7	6.5	7.2	---	---	---	12.1	10.7	11.5	---	---	---
23	9.3	6.9	8.0	---	---	---	11.4	9.8	10.8	---	---	---
24	9.3	6.6	7.5	---	---	---	10.3	9.2	9.9	---	---	---
25	9.4	6.0	7.4	---	---	---	11.2	9.9	10.7	---	---	---
26	8.9	5.8	7.6	---	---	---	11.6	10.3	11.0	---	---	---
27	9.1	8.5	8.7	---	---	---	11.5	9.9	11.0	---	---	---
28	10.1	9.1	9.7	---	---	---	11.5	10.3	10.8	---	---	---
29	10.4	9.4	9.8	---	---	---	11.0	9.4	10.4	---	---	---
30	9.7	8.6	9.1	---	---	---	10.4	9.1	9.7	12.1	11.6	11.9
31	9.7	8.2	8.8	---	---	---	10.9	8.3	9.8	12.2	11.6	11.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.3	11.8	12.0	10.7	9.5	10.2	10.2	9.1	9.6	10.4	9.2	9.7
2	12.9	11.6	12.0	9.9	8.9	9.4	10.4	9.2	9.8	10.0	8.9	9.6
3	12.3	11.5	12.0	10.1	8.9	9.4	10.3	8.8	9.5	10.8	9.7	10.4
4	12.3	11.5	11.9	9.9	8.7	9.3	10.6	8.9	9.7	11.4	10.6	11.0
5	11.8	11.6	11.7	9.5	8.6	8.9	10.6	9.4	9.9	---	---	---
6	12.1	11.4	11.7	9.3	8.4	8.8	10.5	8.9	9.7	---	---	---
7	12.1	11.4	11.7	10.0	8.4	9.3	10.5	8.8	9.5	---	---	---
8	12.7	11.9	12.3	10.8	9.2	10.0	9.5	8.4	8.8	---	---	---
9	12.3	11.8	12.0	11.2	9.9	10.6	9.9	8.3	8.9	---	---	---
10	12.0	11.4	11.7	11.6	10.2	10.8	10.0	8.4	9.1	---	---	---
11	11.4	11.1	11.3	11.7	10.0	10.7	9.3	7.9	8.7	---	---	---
12	12.0	11.3	11.7	11.4	9.8	10.5	8.7	7.7	8.1	---	---	---
13	11.9	10.9	11.5	11.6	9.9	10.6	9.8	7.3	8.6	---	---	---
14	11.5	10.9	11.2	11.5	9.1	10.3	10.5	9.3	9.9	---	---	---
15	11.5	10.9	11.1	11.1	8.8	9.8	10.3	9.1	9.7	---	---	---
16	11.7	11.2	11.4	10.8	8.6	9.4	9.8	8.5	9.2	---	---	---
17	11.8	11.2	11.5	11.4	8.8	9.9	9.7	8.5	9.3	---	---	---
18	11.9	11.0	11.4	11.6	9.2	10.2	9.9	8.9	9.2	---	---	---
19	11.8	10.4	11.1	11.5	8.7	10.2	9.9	8.8	9.2	---	---	---
20	10.9	10.1	10.5	11.7	8.7	10.0	10.1	8.8	9.3	---	---	---
21	10.3	9.8	10.1	11.3	8.3	9.8	10.3	9.1	9.6	---	---	---
22	10.9	10.0	10.4	11.7	9.3	10.5	10.4	9.2	9.7	---	---	---
23	10.9	10.2	10.5	11.6	10.0	10.7	10.4	9.2	9.6	---	---	---
24	10.5	10.1	10.3	11.9	9.9	10.7	10.5	9.1	9.7	---	---	---
25	10.6	10.0	10.3	11.8	9.3	10.4	10.6	9.2	9.7	---	---	---
26	11.8	10.5	11.3	11.4	8.8	9.9	10.0	9.1	9.5	---	---	---
27	11.6	11.1	11.4	11.2	8.7	9.7	10.2	9.4	9.8	---	---	---
28	11.8	10.7	11.3	11.1	8.4	9.5	11.0	9.9	10.4	---	---	---
29	11.5	10.4	10.9	10.9	8.3	9.3	10.9	9.7	10.3	---	---	---
30	---	---	---	9.4	7.7	8.5	10.4	8.8	9.9	---	---	---
31	---	---	---	9.5	7.7	8.7	---	---	---	---	---	---
MONTH	12.9	9.8	11.3	11.9	7.7	9.9	11.0	7.3	9.5	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.2	7.8	8.0	8.0	7.3	7.6	7.7	5.9	6.8
2	---	---	---	8.1	7.8	8.0	8.3	6.8	7.6	7.7	6.5	7.1
3	---	---	---	8.1	7.5	7.8	8.0	7.1	7.6	7.7	6.7	7.1
4	8.5	7.8	8.1	7.8	7.3	7.5	8.5	7.0	7.6	8.1	6.8	7.3
5	8.9	7.8	8.3	8.0	6.9	7.5	8.9	7.2	7.8	8.5	6.6	7.5
6	9.1	7.8	8.3	7.7	7.3	7.4	7.6	7.1	7.4	8.4	6.9	7.5
7	9.1	7.8	8.2	8.3	7.6	7.8	8.4	7.3	7.8	8.7	6.9	7.7
8	8.4	7.6	8.0	7.9	6.9	7.5	9.0	7.8	8.3	8.0	7.2	7.8
9	8.5	7.9	8.2	7.9	6.7	7.5	9.2	7.7	8.3	8.3	7.7	8.0
10	8.7	7.4	8.1	8.3	7.2	7.6	8.8	7.6	8.1	8.2	7.8	7.9
11	8.5	7.0	7.7	7.6	7.1	7.3	9.5	7.5	8.3	8.3	7.7	8.0
12	8.5	6.7	7.5	8.0	6.7	7.3	9.0	7.5	8.0	8.4	7.6	7.9
13	8.3	6.6	7.4	7.3	6.4	7.0	8.1	7.5	7.9	8.7	7.8	8.1
14	8.2	7.2	7.7	7.7	6.8	7.2	8.5	7.7	8.1	9.0	7.8	8.3
15	8.4	7.1	7.7	8.1	7.1	7.4	8.7	7.7	8.2	9.2	7.9	8.5
16	7.5	6.9	7.3	8.7	7.2	7.7	8.3	7.1	7.5	9.1	8.0	8.5
17	7.8	6.3	7.2	8.8	7.3	7.7	7.7	7.1	7.3	8.2	---	---
18	7.8	7.1	7.4	9.2	7.1	7.9	7.9	7.1	7.4	8.8	<0.5	0.9
19	---	---	---	9.8	7.1	8.0	8.2	7.2	7.6	9.8	---	---
20	---	---	---	10.4	7.1	8.4	8.4	6.3	7.4	---	---	---
21	---	---	---	10.6	6.9	8.4	7.4	6.5	7.0	---	---	---
22	---	---	---	10.7	6.7	8.3	7.7	6.6	7.0	---	---	---
23	---	---	---	10.5	6.5	7.9	7.3	6.6	7.0	---	---	---
24	---	---	---	10.5	6.5	8.0	7.5	6.3	7.0	---	---	---
25	---	---	---	10.6	6.4	8.1	7.8	6.6	7.3	---	---	---
26	---	---	---	7.3	6.7	7.1	7.3	6.8	7.0	---	---	---
27	---	---	---	7.4	7.0	7.3	7.6	6.6	7.1	---	---	---
28	---	---	---	7.6	7.1	7.4	7.7	6.0	6.9	---	---	---
29	---	---	---	7.7	7.2	7.4	7.2	5.5	6.2	---	---	---
30	8.0	7.6	7.9	7.7	7.2	7.5	7.1	6.1	6.7	---	---	---
31	---	---	---	7.8	7.2	7.4	7.5	6.2	6.6	---	---	---
MONTH	---	---	---	10.7	6.4	7.7	9.5	5.5	7.5	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	35	6.9	8.6	---	---	---	---	---	---	27	11	15
2	13	7.2	8.6	---	---	---	---	<5.0	---	34	13	25
3	11	7.6	8.7	---	---	---	8.0	<5.0	5.3	86	6.8	41
4	16	7.0	9.2	---	---	---	29	<5.0	16	20	<5.0	6.5
5	15	6.5	8.4	640	---	---	61	6.3	9.4	760	<5.0	36
6	59	6.5	9.6	200	22	35	7.9	<5.0	4.9	210	25	50
7	33	7.2	9.6	31	7.9	12	5.6	<5.0	4.1	25	12	16
8	750	16	160	11	5.2	6.7	6.6	<5.0	4.5	17	10	12
9	58	16	28	11	<5.0	5.4	7.0	3.5	4.4	34	11	25
10	16	8.4	10	11	<5.0	6.0	520	<5.0	160	24	12	13
11	14	---	---	7.0	<5.0	4.8	120	20	48	14	10	11
12	---	---	---	6.0	<5.0	3.9	21	9.0	13	39	11	12
13	---	---	---	---	<5.0	---	78	7.4	14	25	12	14
14	---	---	---	18	<5.0	4.8	190	34	78	53	12	15
15	---	---	---	13	<5.0	---	42	14	22	41	12	15
16	---	---	---	---	---	---	77	9.6	14	68	14	18
17	---	---	---	---	<5.0	---	290	35	55	63	15	16
18	---	---	---	---	---	---	39	12	17	85	28	44
19	---	---	---	---	---	---	32	11	14	33	17	21
20	---	---	---	---	---	---	42	11	14	20	15	17
21	---	---	---	---	---	---	---	---	---	30	15	18
22	---	---	---	---	---	---	---	---	---	25	16	19
23	---	---	---	---	---	---	---	---	---	41	18	22
24	---	---	---	---	---	---	---	22	---	46	21	24
25	---	---	---	---	---	---	55	12	18	450	21	190
26	---	---	---	200	40	70	46	---	---	180	35	68
27	---	---	---	370	41	73	---	---	---	42	---	---
28	---	---	---	270	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	66	---	---
30	---	---	---	---	---	---	---	---	---	20	5.5	7.0
31	---	---	---	---	---	---	---	12	---	60	4.2	8.1
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.5	<5.0	3.7	6.0	<5.0	4.7	29	5.1	7.8	130	8.7	30
2	530	<5.0	8.7	17	<5.0	4.8	12	<5.0	5.8	1700	43	100
3	270	25	61	46	<5.0	17	13	<5.0	5.5	45	10	18
4	26	7.3	12	26	9.9	13	9.9	<5.0	5.0	100	7.6	11
5	15	<5.0	5.7	17	<5.0	7.9	17	<5.0	4.5	130	7.4	27
6	600	13	160	110	5.1	35	7.8	<5.0	4.3	66	6.2	9.5
7	120	18	35	28	5.9	9.9	36	<5.0	6.1	80	7.7	30
8	20	7.9	11	9.0	<5.0	5.6	67	<5.0	14	32	7.5	10
9	11	5.1	6.8	6.0	<5.0	3.9	29	<5.0	3.8	1600	5.6	9.5
10	120	5.1	7.8	12	<5.0	3.9	15	<5.0	3.3	1000	32	79
11	35	<5.0	6.8	13	<5.0	6.1	110	<5.0	14	290	---	---
12	980	25	130	18	5.1	6.8	390	<5.0	5.8	---	---	---
13	64	15	26	24	5.4	6.5	1800	58	280	440	28	72
14	90	16	48	10	<5.0	4.2	62	16	30	53	12	16
15	140	20	42	12	<5.0	3.8	38	8.3	14	110	12	15
16	65	12	23	44	<5.0	4.7	34	6.2	8.5	>2200	11	14
17	22	7.4	9.8	17	<5.0	5.6	27	5.8	8.0	1500	83	330
18	10	5.2	6.9	30	<5.0	5.3	11	<5.0	6.9	340	---	---
19	8.4	5.1	6.6	26	<5.0	6.8	12	5.9	6.9	---	16	---
20	15	5.5	6.9	35	<5.0	5.3	12	5.7	6.7	42	12	22
21	13	5.2	6.5	14	<5.0	4.6	24	5.7	9.2	28	10	14
22	9.6	<5.0	5.5	11	<5.0	4.1	31	5.6	7.3	51	9.7	17
23	10	<5.0	5.1	64	<5.0	9.1	38	5.4	8.1	30	13	22
24	33	5.5	8.8	21	<5.0	5.2	11	<5.0	6.0	18	7.8	10
25	44	5.1	13	47	<5.0	4.4	8.5	<5.0	5.5	16	7.7	9.5
26	42	20	29	22	<5.0	3.7	150	<5.0	47	20	7.6	11
27	28	9.4	16	25	<5.1	5.4	48	8.2	15	24	7.7	11
28	25	5.0	6.0	27	<5.0	3.5	60	5.2	8.7	93	7.8	11
29	8.3	<5.0	5.1	13	<5.0	4.1	72	5.8	12	700	19	42
30	---	---	---	270	<5.0	83	84	5.4	12	---	33	---
31	---	---	---	47	8.2	14	---	---	---	---	---	---
MAX	980	25	160	270	9.9	83	1800	58	280	---	---	---
MIN	5.5	2.9	3.7	6.0	5.0	3.5	7.8	5.0	3.3	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	1400	88	190	31	5.2	6.5	64	<5.0	6.7
2	---	---	---	1100	53	140	180	<5.0	6.6	650	20	48
3	---	7.3	---	100	21	37	43	11	21	84	7.3	12
4	13	6.9	9.4	72	13	18	---	---	---	42	<5.0	7.1
5	11	6.3	8.1	340	10	18	---	---	---	16	<5.0	6.2
6	12	5.6	7.3	130	21	49	---	---	---	13	<5.0	5.9
7	390	5.5	8.4	390	8.3	14	---	---	---	1200	13	240
8	290	20	50	650	19	58	---	---	---	150	28	57
9	23	9.7	15	86	11	21	---	---	---	78	11	18
10	16	6.5	9.8	590	8.8	12	---	---	---	18	6.4	8.4
11	47	7.7	11	420	17	56	---	---	---	40	5.1	7.2
12	27	7.3	9.7	610	14	19	---	---	---	56	<5.0	5.7
13	84	7.3	41	240	16	49	---	---	---	10	<5.0	4.5
14	130	16	40	21	8.4	11	---	---	---	12	<5.0	5.2
15	860	13	21	14	6.6	8.2	---	---	---	20	<5.0	4.6
16	430	39	80	21	6.1	9.8	---	61	---	2200	<5.0	38
17	440	37	90	23	5.7	7.5	55	9.5	26	---	---	---
18	110	12	22	10	5.8	7.6	21	7.5	11	---	---	---
19	64	9.9	16	10	<5.0	5.3	11	5.3	6.8	---	---	---
20	16	6.0	8.6	12	5.3	7.0	79	5.9	8.1	---	---	---
21	>2200	5.9	9.8	16	5.3	7.8	110	8.9	56	---	---	---
22	540	54	110	14	<5.0	7.5	20	5.3	7.5	---	---	---
23	1800	22	46	22	<5.0	8.2	290	5.1	68	---	---	---
24	990	44	92	66	<5.0	8.7	44	8.0	16	---	<5.0	---
25	240	25	65	1800	<5.0	4.5	1100	5.9	8.7	11	<5.0	6.0
26	120	34	47	1800	74	160	280	28	69	23	5.1	7.9
27	1700	30	40	150	27	50	29	8.4	13	---	<5.0	---
28	1100	160	280	1300	39	120	38	5.9	8.1	---	---	---
29	2000	72	130	42	14	21	97	6.2	20	---	---	---
30	2000	31	52	26	10	14	32	13	22	---	---	---
31	---	---	---	29	6.9	11	21	5.4	7.5	---	---	---
MAX	---	---	---	1800	88	190	---	---	---	---	---	---
MIN	---	---	---	10	5.0	4.5	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'36", long 84°34'06", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, on the upstream side of the bridge on Great Southwest PKWY, 0.3 miles downstream from GA 70, and 0.3 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—33.9 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—June 22 1963 to July 25, 1995, January 27, 2000 to December 11, 2000, March 28, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples with out a medium code are also surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
23...	0830	--	9	9	81345	3.00	15	7.0	758	7.8	77	7.2	131
23...	0915	--	9	9	81345	3.01	16	7.1	758	7.7	77	7.2	131
JAN													
08...	1215	--	9	9	81345	3.12	22	8.4	753	13.5	104	6.9	119
08...	1235	--	9	9	81345	3.12	22	8.2	753	13.5	104	6.9	119
15...	0910	--	9	9	81345	3.06	18	8.5	744	11.0	96	6.7	131
15...	0930	--	9	9	81345	3.06	18	24	744	11.1	97	6.8	131
FEB													
02-02	1633	1635	9	J	81345	3.89	150	91	--	13.0	--	6.9	55
FEB													
02-02	1900	1902	9	J	81345	3.96	163	110	--	12.7	--	6.8	113
FEB													
02-02	2135	2137	9	J	81345	4.78	317	440	--	12.8	--	6.8	73
FEB													
03-03	0035	0037	9	J	81345	4.01	172	240	--	12.6	--	6.9	64
05...	1045	--	9	9	81345	3.17	27	8.0	749	11.0	91	7.0	119
05...	1100	--	9	9	81345	3.16	26	9.0	749	11.0	91	7.0	119
FEB													
06-06	0915	0917	9	J	81345	3.60	4.5	270	741	12.5	105	6.8	62
FEB													
06-06	0930	0940	9	J	81345	3.75	124	84	741	11.9	101	6.7	64
FEB													
06-06	0940	0945	9	J	81345	3.74	122	88	741	11.9	101	6.7	64
FEB													
06-06	1112	1114	9	J	81345	4.13	193	500	741	12.5	106	6.9	60
FEB													
06-06	1115	1135	9	J	81345	4.20	206	240	741	11.9	101	6.7	82
FEB													
06-06	1146	1150	9	J	81345	4.20	206	280	741	12.4	105	6.8	71
09...	0950	--	9	9	81345	3.22	32	8.3	757	11.8	95	6.6	122
09...	1000	--	9	9	81345	3.22	32	8.4	757	11.8	95	6.6	123
MAR													
04...	1250	--	9	9	81345	3.32	44	14	749	10.3	106	7.2	109
04...	1300	--	9	9	81345	3.31	41	14	749	10.4	107	7.2	109
24...	0930	--	9	9	81345	3.04	17	12	761	11.8	107	7.7	130
24...	0945	--	9	9	81345	3.04	17	13	763	11.9	108	7.6	130
APR													
26-26	0616	0618	9	J	81345	3.51	75	130	--	9.5	--	6.9	100
APR													
26-26	1549	1551	9	J	81345	3.56	85	55	--	9.6	--	7.1	118
APR													
26-26	1946	1948	9	J	81345	3.54	83	60	--	9.5	--	7.1	119
MAY													
01-01	2315	2317	9	J	81345	3.69	111	110	--	9.8	--	7.1	92
MAY													
02-02	0320	0322	9	J	81345	5.67	497	1500	--	9.0	--	6.7	62
MAY													
02-02	0450	0452	9	J	81345	5.05	375	870	--	9.1	--	6.6	60
MAY													
02-02	0750	0752	9	J	81345	4.05	179	350	--	9.6	--	6.7	56
MAY													
16-16	1958	2000	9	J	81345	4.22	210	3300	--	3.6	--	7.1	124
MAY													
16-16	2128	2130	9	J	81345	5.69	5.1	1600	--	4.5	--	6.5	53
MAY													
16-16	2258	2300	9	J	81345	4.42	246	820	--	4.5	--	6.7	65
MAY													
17-17	0028	0030	9	J	81345	3.95	161	620	--	4.6	--	6.7	67
MAY													
17-17	0214	0216	9	J	81345	3.68	109	440	--	5.0	--	6.7	64
MAY													
17-17	1300	1302	9	J	81345	3.79	133	400	--	4.4	--	6.8	68
MAY													
17-17	1446	1448	9	J	81345	3.70	113	160	--	4.5	--	6.8	69
MAY													
17-17	1615	1617	9	J	81345	4.16	198	670	--	4.5	--	6.8	61

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
OCT													
23...	15.0	40	--	10.5	3.34	3.03	.5	7.26	27	40.3	M	6.60	18.5
23...	15.0	41	.0	10.6	3.44	3.06	.5	7.67	27	40.2	M	6.70	19.0
JAN													
08...	4.0	63	36	16.9	5.04	3.40	.6	11.5	27	27.2	.5	14.3	15.2
08...	4.0	67	49	18.1	5.24	3.92	.7	12.7	28	17.4	.4	11.4	14.1
15...	8.5	49	14	12.7	4.14	2.53	.4	6.94	22	34.5	.1	9.05	14.3
15...	8.5	36	2	10.6	2.34	2.65	.4	5.68	24	33.6	<.02	8.18	12.9
FEB													
02-02	5.1	14	3	3.99	.90	1.02	.3	2.85	29	10.4	<.02	3.11	5.87
FEB													
02-02	5.3	34	16	8.92	2.87	2.02	.4	5.18	24	17.8	<.02	6.96	12.4
FEB													
02-02	4.9	23	7	6.22	1.69	2.04	.4	3.93	25	15.8	<.02	4.59	8.64
FEB													
03-03	5.3	21	5	5.70	1.56	2.06	.3	3.45	24	15.5	<.02	3.53	7.62
05...	6.5	36	5	9.55	2.94	2.31	.5	6.23	26	31.5	<.02	6.77	18.5
05...	6.5	37	6	9.76	3.00	2.32	.5	6.70	27	31.3	<.02	7.37	18.6
FEB													
06-06	6.8	18	5	5.18	1.24	1.41	.3	3.28	26	13.2	<.02	3.73	8.17
FEB													
06-06	7.0	19	5	5.35	1.34	1.44	.3	3.49	27	14.4	<.02	3.77	8.14
FEB													
06-06	7.0	19	5	5.47	1.37	1.50	.4	3.58	27	14.5	<.02	3.76	8.32
FEB													
06-06	6.9	19	7	5.39	1.40	1.49	.3	3.03	24	11.8	<.02	3.45	7.25
FEB													
06-06	7.0	21	8	5.81	1.62	1.70	.3	3.27	23	12.8	<.02	3.89	8.09
FEB													
06-06	7.0	24	9	6.42	1.82	1.86	.3	3.22	21	14.6	<.02	4.62	9.18
09...	6.0	37	5	9.77	2.95	2.35	.4	6.25	26	31.2	<.02	6.68	18.5
09...	5.7	36	5	9.70	2.94	2.36	.5	6.41	26	31.2	<.02	6.65	18.5
MAR													
04...	16.0	40	10	10.6	3.32	2.61	.5	6.60	25	30.8	<.02	6.53	12.0
04...	16.0	36	4	9.28	2.98	2.14	.4	5.42	24	31.5	<.02	6.05	17.1
24...	11.0	42	4	11.3	3.19	2.31	.5	7.70	27	37.5	.1	8.45	16.2
24...	11.0	43	6	11.8	3.34	2.51	.6	8.33	28	37.3	<.02	8.35	16.7
APR													
26-26	20.0	25	6	7.31	1.63	2.16	.4	4.29	25	18.7	M	3.91	10.6
APR													
26-26	19.0	37	6	10.1	2.88	2.85	.5	6.86	27	30.8	.1	6.39	17.3
APR													
26-26	18.5	37	7	10.2	2.72	3.40	.5	7.06	27	29.4	M	6.42	16.1
MAY													
01-01	20.0	22	7	6.22	1.56	2.07	.5	4.92	30	15.5	M	4.09	10.3
MAY													
02-02	19.0	19	3	5.42	1.39	2.68	.3	3.40	25	16.2	M	3.22	8.04
MAY													
02-02	19.0	19	6	5.54	1.28	2.93	.4	3.78	26	13.0	<.02	2.85	6.85
MAY													
02-02	19.0	16	4	4.54	1.04	2.69	.3	3.00	25	11.7	<.02	2.39	5.35
MAY													
16-16	21.5	37	--	9.91	2.85	3.45	.5	7.27	28	36.6	.1	6.38	20.2
MAY													
16-16	18.0	18	4	5.07	1.34	3.33	.3	3.28	24	14.7	<.02	3.41	8.75
MAY													
16-16	19.5	23	9	6.87	1.48	3.96	.4	4.98	28	14.1	M	4.48	10.2
MAY													
17-17	20.0	22	7	6.40	1.38	3.82	.4	4.32	26	14.4	<.02	4.59	8.12
MAY													
17-17	20.0	23	11	6.88	1.41	4.18	.4	4.76	27	12.5	<.02	3.87	8.18
MAY													
17-17	22.0	22	10	6.97	1.19	3.49	.4	4.85	28	12.3	M	3.16	7.25
MAY													
17-17	21.5	21	4	5.92	1.42	3.03	.4	3.83	25	16.9	M	3.76	9.35
MAY													
17-17	21.0	17	3	4.97	1.19	3.17	.3	3.33	25	14.0	M	2.80	9.12

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)
OCT													
23...	10.6	86	.12	.06	.046	.26	<.020	<.100	<.10	.49	--	--	--
23...	10.9	87	.12	.05	.040	.26	<.020	<.100	<.10	.47	750	930k	23600
JAN													
08...	44.1	135	.18	.08	.066	1.48	<.020	<.100	<.10	.58	320	170	4570
08...	61.0	146	.20	.08	.065	1.70	<.020	<.100	<.10	.56	--	--	--
15...	22.2	98	.13	.08	.060	1.11	<.020	<.100	.20	.71	--	--	--
15...	8.6	74	.10	.07	.055	.55	<.020	<.100	<.10	.65	150	150	2300
FEB													
02-02	5.3	31	.04	.15	.113	.33	<.020	<.100	<.10	.56	--	--	--
FEB													
02-02	23.2	75	.10	.23	.175	.44	<.020	<.100	<.10	.82	--	--	--
FEB													
02-02	10.3	50	.07	.08	.065	.55	<.020	<.100	<.10	.81	--	--	--
FEB													
03-03	7.4	43	.06	.15	.117	.48	<.020	<.100	<.10	.84	--	--	--
05...	11.9	80	.11	.18	.138	.59	<.020	<.100	<.10	.80	--	--	--
05...	12.2	82	.11	.08	.061	.58	<.020	<.100	<.10	.82	4600	1900	11000
FEB													
06-06	6.6	40	.05	.11	.083	.49	<.020	<.100	<.10	.70	--	--	--
FEB													
06-06	6.7	41	.06	.14	.108	.47	<.020	<.100	<.10	.81	1400	700	3020
FEB													
06-06	6.8	42	.06	.14	.109	.48	<.020	<.100	<.10	.78	--	--	--
FEB													
06-06	9.4	41	.06	.10	.078	.36	<.020	<.100	<.10	.59	--	--	--
FEB													
06-06	11.0	45	.06	.14	.107	.38	<.020	<.100	<.10	.65	850	970	2600
FEB													
06-06	13.0	51	.07	.15	.114	.41	<.020	<.100	<.10	.74	--	--	--
09...	12.4	81	.11	.11	.083	.65	<.020	<.100	<.10	.86	1000	140	4060
09...	12.6	81	.11	.11	.087	.65	<.020	<.100	<.10	.90	--	--	--
MAR													
04...	9.9	72	.10	--	<.020	.31	<.020	<.100	<.10	.41	110	97	1850
04...	9.9	73	.10	--	<.020	.31	<.020	<.100	<.10	.54	--	--	--
24...	12.6	86	.12	--	<.020	.25	<.020	<.100	<.10	.28	540	230	3800
24...	12.5	88	.12	--	<.020	.25	<.020	<.100	<.10	.34	--	--	--
APR													
26-26	10.1	54	.07	.04	.032	.55	.030	<.100	<.10	1.20	--	--	--
APR													
26-26	13.3	81	.11	.08	.065	.52	.030	<.100	<.10	.82	--	--	--
APR													
26-26	14.0	81	.11	.07	.055	.68	.050	<.100	<.10	1.01	--	--	--
MAY													
01-01	7.2	48	.06	--	<.020	.42	.020	<.100	<.10	1.11	--	--	--
MAY													
02-02	7.9	46	.06	.07	.053	.91	<.020	<.100	<.10	1.83	--	--	--
MAY													
02-02	6.9	41	.06	.07	.057	.53	.030	<.100	<.10	1.08	--	--	--
MAY													
02-02	5.4	34	.05	.07	.052	.45	.020	<.100	<.10	.98	--	--	--
MAY													
16-16	10.6	85	.12	.03	.027	.43	<.020	<.100	<.10	1.00	--	--	--
MAY													
16-16	10.0	47	.06	.07	.051	.52	.020	<.100	<.10	1.67	--	--	--
MAY													
16-16	8.9	53	.07	.05	.040	.58	<.020	<.100	<.10	1.70	--	--	--
MAY													
17-17	8.1	49	.07	.05	.037	.89	<.020	<.100	<.10	1.80	--	--	--
MAY													
17-17	7.7	48	.07	.05	.035	.85	<.020	<.100	<.10	1.52	--	--	--
MAY													
17-17	6.8	44	.06	.04	.030	.55	.020	<.100	<.10	1.75	--	--	--
MAY													
17-17	7.9	48	.06	.05	.040	.49	.020	<.100	<.10	.99	--	--	--
MAY													
17-17	6.2	43	.06	.05	.039	.53	.030	<.100	<.10	.99	--	--	--

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
OCT			
23...	84.4	<100	70
23...	85.8	<100	70
JAN			
08...	60.2	180	70
08...	56.7	110	80
15...	41.6	150	60
15...	<30.0	<100	50
FEB			
02-02	35.7	<100	20
FEB			
02-02	41.5	150	60
FEB			
02-02	33.0	210	40
FEB			
03-03	26.6	230	30
05...	38.1	150	60
05...	62.2	170	60
FEB			
06-06	28.6	160	30
FEB			
06-06	28.2	<100	30
FEB			
06-06	39.9	<100	30
FEB			
06-06	33.1	110	30
FEB			
06-06	28.0	<100	30
FEB			
06-06	18.1	100	40
09...	38.8	100	60
09...	38.7	<100	60
MAR			
04...	19.6	120	80
04...	34.5	110	70
24...	71.5	200	80
24...	86.5	160	90
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
MAR			
30-30	--	--	--
APR			
26-26	46.7	170	50
APR			
26-26	68.9	190	70
APR			
26-26	73.4	140	70
MAY			
01-01	96.1	<100	40
MAY			
02-02	74.5	120	40
MAY			
02-02	91.6	140	40
MAY			
02-02	66.4	190	30
MAY			
16-16	31.6	<100	70
MAY			
16-16	42.2	330	30
MAY			
16-16	54.8	360	40
MAY			
17-17	13.7	<100	40
MAY			
17-17	49.6	130	40
MAY			
17-17	79.1	<100	40
MAY			
17-17	27.6	<100	40
MAY			
17-17	39.7	360	30

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
MAY													
17-17	1746	1748	9	J	81345	3.75	124	680	--	4.8	--	6.7	50
JUN													
15-15	1521	1523	9	J	81345	3.39	7.0	95	--	7.6	--	7.0	87
JUN													
15-15	1845	1847	9	J	81345	3.51	187	110	--	7.7	--	6.9	79
JUN													
15-15	2015	2017	9	J	81345	4.62	157	750	--	7.1	--	6.8	75
JUN													
15-15	2145	2147	9	J	81345	4.21	119	E900	--	E7.1	--	--	E62
JUN													
16-16	0045	0047	9	J	81345	3.68	63	360	--	7.3	--	6.7	68
JUN													
16-16	0215	0217	9	J	81345	3.53	49	240	--	7.3	--	6.7	67
JUN													
17-17	0115	0117	9	J	81345	3.54	28	160	--	7.5	--	7.0	92
JUN													
17-17	0245	0247	9	J	81345	3.76	126	130	--	7.7	--	7.0	94
JUN													
17-17	0415	0417	9	J	81345	3.67	107	250	--	7.5	--	6.9	82
JUN													
17-17	0545	0547	9	J	81345	3.54	81	290	--	7.5	--	6.9	77
JUL													
27...	0825	--	9	J	81345	3.49	71	50	750	7.2	89	7.0	87
27...	0830	--	9	J	81345	3.49	71	50	750	7.2	89	7.0	87
AUG													
02...	0825	--	9	9	81345	2.96	12	11	749	7.5	92	7.1	127
02...	0830	--	9	9	81345	2.96	12	10	749	7.4	90	7.1	127
16...	0910	--	9	J	81345	3.20	10	190	747	7.5	88	6.8	62
16...	0915	--	9	J	81345	3.20	30	190	747	7.5	88	6.8	62
SEP													
14...	0730	--	9	9	81345	2.95	11	4.6	752	7.8	88	7.0	125

Date	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)
MAY													
17-17	20.5	15	3	4.16	1.03	3.34	.3	2.49	22	12.1	<.02	2.28	8.00
JUN													
15-15	26.0	17	3	5.40	.92	3.21	.5	4.71	32	14.1	<.01	2.2	8.90
JUN													
15-15	24.0	29	7	8.30	1.89	3.00	.5	5.67	28	21.3	<.01	3.5	15.8
JUN													
15-15	24.5	25	5	7.40	1.59	3.34	.5	5.32	28	20.2	<.01	3.1	14.9
JUN													
15-15	--	21	6	6.20	1.35	3.50	.4	3.85	25	15.0	<.01	2.6	10.9
JUN													
16-16	24.0	22	6	6.50	1.38	3.43	.4	4.51	27	16.3	<.01	2.9	11.1
JUN													
16-16	24.0	22	6	6.50	1.40	3.53	.4	4.58	27	16.3	<.01	2.8	11.3
JUN													
17-17	24.5	34	7	9.90	2.21	3.65	.5	6.35	26	27.2	<.01	4.1	18.5
JUN													
17-17	25.0	36	7	10.6	2.27	3.88	.5	6.30	25	28.7	<.01	4.5	20.2
JUN													
17-17	24.0	27	5	8.10	1.66	3.36	.4	5.11	26	21.7	<.01	3.2	15.6
JUN													
17-17	24.0	22	2	6.40	1.50	3.06	.3	3.62	23	19.8	<.01	2.9	11.1
JUL													
27...	25.0	28	2	7.60	2.17	3.15	.4	4.85	25	26.0	<.01	3.5	13.7
27...	25.0	26	--	6.90	2.06	2.89	.3	3.99	23	25.8	<.01	3.5	13.1
AUG													
02...	24.5	41	3	11.4	3.09	3.15	.5	7.23	26	38.7	M	5.5	20.8
02...	24.0	43	4	11.8	3.15	3.19	.5	7.64	26	38.9	M	5.5	20.7
16...	22.0	19	3	5.30	1.27	2.61	.3	3.22	24	15.2	<.01	2.3	8.82
16...	22.0	19	4	5.40	1.27	2.71	.3	3.11	23	15.0	<.01	2.2	8.97
SEP													
14...	20.5	--	--	--	--	--	--	--	--	31.9	.1	5.48	--

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
MAY													
17-17	4.9	38	.05	.07	.055	.62	.020	--	<.100	<.10	.78	--	--
JUN													
15-15	4.9	42	.06	--	<.010	.63	<.010	--	<.050	<.050	--	--	--
JUN													
15-15	6.5	60	.08	--	<.010	.52	<.010	--	<.050	<.050	--	--	--
JUN													
15-15	7.7	59	.08	--	<.010	.68	<.010	--	<.050	<.050	.95	--	--
JUN													
15-15	8.6	49	.07	--	<.010	.69	<.010	--	<.050	<.050	1.55	--	--
JUN													
16-16	6.1	49	.07	--	<.010	.64	<.010	--	<.050	<.050	--	--	--
JUN													
16-16	6.1	49	.07	--	<.010	.59	<.010	.429	.140	.110	--	--	--
JUN													
17-17	7.9	71	.10	--	<.010	.38	<.010	--	<.050	<.050	--	--	--
JUN													
17-17	8.1	75	.10	--	<.010	.41	<.010	--	<.050	<.050	--	--	--
JUN													
17-17	7.1	59	.08	--	<.010	.41	<.010	--	<.050	<.050	--	--	--
JUN													
17-17	7.2	50	.07	--	<.010	.41	<.010	--	<.050	<.050	--	--	--
JUL													
27...	6.8	59	.08	.09	.070	.33	<.010	--	<.050	<.050	.48	--	--
27...	6.8	56	.08	.13	.100	.33	<.010	--	<.050	<.050	--	3200	4800k
AUG													
02...	10.5	87	.12	--	--	.36	<.010	--	--	--	--	--	--
02...	10.5	88	.12	--	--	.36	<.010	--	--	--	--	420	850k
16...	5.9	41	.06	--	--	.43	<.010	--	--	--	--	--	--
16...	5.8	41	.06	--	--	.42	<.010	--	--	--	--	20000	43000
SEP													
14...	6.5	--	--	--	<.020	.37	<.020	--	<.100	<.10	--	370	390

Date	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
MAY				
17-17	--	38.8	530	30
JUN				
15-15	--	--	<50	40
JUN				
15-15	--	--	<50	60
JUN				
15-15	--	--	200	60
JUN				
15-15	--	--	270	50
JUN				
16-16	--	--	300	50
JUN				
16-16	--	--	340	50
JUN				
17-17	--	--	140	70
JUN				
17-17	--	--	<50	80
JUN				
17-17	--	--	270	60
JUN				
17-17	--	--	540	40
JUL				
27...	--	--	<50	50
27...	129000	--	<50	50
AUG				
02...	--	--	<50	80
02...	24000	--	<50	80
16...	--	--	100	40
16...	690000	--	120	40
SEP				
14...	17800	--	--	--

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
23...	0831	9	80020	3.00	15	7.0	758	7.8	7.2	131	15.0	4	<.04
23...	0916	9	80020	3.01	16	7.1	758	7.7	7.2	131	15.0	4	<.04
JAN													
08...	1216	9	80020	3.12	22	8.4	753	13.5	6.9	119	4.0	8	.04
08...	1236	9	80020	3.12	22	8.2	753	13.5	6.9	119	4.0	10	E.04n
15...	0911	9	80020	3.06	18	8.5	744	11.0	6.7	131	8.5	5	.04
15...	0931	9	80020	3.06	18	24	744	11.1	6.8	131	8.5	6	E.04n
FEB													
02-02	1634	J	80020	3.89	150	91	--	13.0	6.9	55	5.1	13	.07
05...	1046	9	80020	3.17	27	8.0	749	11.0	7.0	119	6.5	9	.04
05...	1101	9	80020	3.16	26	9.0	749	11.0	7.0	119	6.5	10	E.04n
FEB													
06-06	0931	J	80020	3.75	124	84	741	11.9	6.7	64	7.0	13	.05
FEB													
06-06	0941	J	80020	3.74	122	88	741	11.9	6.7	64	7.0	14	.06
FEB													
06-06	1116	J	80020	4.20	206	240	741	11.9	6.7	82	7.0	15	.12
FEB													
06-06	1147	J	80020	4.20	206	280	741	12.4	6.8	71	7.0	15	.16
09...	0951	9	80020	3.22	32	8.3	757	11.8	6.6	122	6.0	10	E.04n
09...	1001	9	80020	3.22	32	8.4	757	11.8	6.6	123	5.7	8	E.04n
MAR													
04...	1251	9	80020	3.32	44	14	749	10.3	7.2	109	16.0	8	E.02n
04...	1301	9	80020	3.31	41	14	749	10.4	7.2	109	16.0	8	<.04
24...	0931	9	80020	3.04	17	12	761	11.8	7.7	130	11.0	7	E.03n
24...	0946	9	80020	3.04	17	13	763	11.9	7.6	130	11.0	7	E.04n
APR													
26-26	0617	J	80020	3.51	75	130	--	9.5	6.9	100	20.0	62	.05
MAY													
17-17	1301	J	80020	3.79	133	400	--	4.4	6.8	68	22.0	18	E.03n
MAY													
17-17	1616	J	80020	4.16	198	670	--	4.5	6.8	61	21.0	11	<.04
JUL													
27...	0826	J	80020	3.49	71	50	750	7.2	7.0	87	25.0	7	<.04
27...	0831	J	80020	3.49	71	50	750	7.2	7.0	87	25.0	8	<.04
AUG													
02...	0826	9	80020	2.96	12	11	749	7.5	7.1	127	24.5	4	<.04
02...	0831	9	80020	2.96	12	10	749	7.4	7.1	127	24.0	4	<.04
16...	0911	J	80020	3.20	30	190	747	7.5	6.8	62	22.0	14	<.04
16...	0916	J	80020	3.20	30	190	747	7.5	6.8	62	22.0	17	<.04
SEP													
14...	0731	9	80020	2.95	11	4.6	752	7.8	7.0	125	20.5	4	<.04

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT							
23...	<.8	.8	<.08	186	1.01	<.2	101
23...	<.8	1.0	<.08	179	.93	<.2	99.8
JAN							
08...	<.8	1.4	.09	216	1.15	<.2	205
08...	<.8	1.2	.10	214	.96	<.2	191
15...	<.8	.8	.10	257	1.02	<.2	167
15...	<.8	.8	E.08n	275	1.14	<.2	201
FEB							
02-02	<.8	1.7	.23	79.2	3.14	<.2	85.9
05...	<.8	1.2	.10	177	.97	<.2	173
05...	<.8	1.2	.11	174	.94	<.2	174
FEB							
06-06	<.8	1.6	.24	84.7	.66	<.2	84.8
FEB							
06-06	<.8	1.5	.23	87.8	.66	<.2	90.4
FEB							
06-06	<.8	2.0	.11	200	2.13	<.2	643
FEB							
06-06	<.8	2.3	.11	225	2.54	<.2	940
09...	<.8	1.4	.11	190	.99	<.2	164
09...	<.8	1.4	.09	192	1.00	<.2	163
MAR							
04...	<.8	1.3	E.08n	130	.86	<.2	84.8
04...	<.8	1.3	E.06n	134	.87	<.2	87.3
24...	<.8	1.1	.19	258	1.04	<.2	173
24...	<.8	1.1	.22	262	1.05	<.2	174
APR							
26-26	<.8	6.1	.47	195	1.59	<.2	114
MAY							
17-17	<.8	3.7	.34	85.0	.91	<.2	37.8
MAY							
17-17	<.8	2.8	.26	2.9	.55	<.2	6.5
JUL							
27...	<.8	1.7	.12	73.5	.62	<.2	18.6
27...	<.8	1.9	.11	70.5	.69	<.2	18.2
AUG							
02...	<.8	1.3	<.08	244	.87	<.2	77.5
02...	<.8	1.2	<.08	277	.87	<.2	78.7
16...	<.8	2.4	.24	44.3	.64	<.2	27.0
16...	<.8	2.4	.30	42.0	.61	<.2	25.2
SEP							
14...	<.8	1.5	<.08	224	.66	<.2	83.0

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)
OCT													
23...	0916	--	80020	3.01	7.1	758	7.7	77	7.2	131	15.0	<.5	<.5
JAN													
08...	1216	--	80020	3.12	8.4	753	13.5	104	6.9	119	4.0	<.5	<.5
15...	0931	--	80020	3.06	24	744	11.1	97	6.8	131	8.5	<.5	<.5
FEB													
05...	1101	--	80020	3.16	9.0	749	11.0	91	7.0	119	6.5	<.5	M
FEB													
06-06	0931	0941	80020	3.75	84	741	11.9	101	6.7	64	7.0	<.5	M
FEB													
06-06	1116	1136	80020	4.20	240	741	11.9	101	6.7	82	7.0	<.5	M
09...	0951	--	80020	3.22	8.3	757	11.8	95	6.6	122	6.0	<.5	<.5
MAR													
04...	1251	--	80020	3.32	14	749	10.3	106	7.2	109	16.0	<.5	<.5
24...	0931	--	80020	3.04	12	761	11.8	107	7.7	130	11.0	<.5	M
JUL													
27...	0831	--	80020	3.49	50	750	7.2	89	7.0	87	25.0	<.5	<.5
AUG													
02...	0831	--	80020	2.96	10	749	7.4	90	7.1	127	24.0	<.5	Mt
16...	0916	--	80020	3.20	190	747	7.5	88	6.8	62	22.0	<.5	<.5
SEP													
14...	0731	--	80020	2.95	4.6	752	7.8	88	7.0	125	20.5	<.5	<.5

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)
OCT													
23...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1
JAN													
08...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	M
15...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	M
FEB													
05...	<.5	M	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	M
FEB													
06-06	M	M	<2	<1	<5	<1	<1	<5	<1	<2	E.2	E.1	M
FEB													
06-06	M	M	<2	<1	<5	<1	<1	<5	<1	<2	E.2	<.5	<.5
09...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	M
MAR													
04...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5
24...	<.5	M	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	M
JUL													
27...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5
AUG													
02...	<.5	Mt	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5
16...	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	E.1t	<.5	Mt
SEP													
14...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5

Date	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)
OCT													
23...	<.5	<.5	<.5	<2	<2	<1	.5	M	<.5	<1	<.5	<.5	<2
JAN													
08...	M	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	M	<.5	M
15...	<.5	<.5	<.5	<2	<2	<1	E.4	M	<.5	<1	M	<.5	<2
FEB													
05...	<.5	<.5	E.1	<2	<2	<1	E.4	E.1	<.5	<1	<.5	<.5	<2
FEB													
06-06	<.5	<.5	<.5	<2	<2	<1	<.5	E.3	<.5	<1	M	<.5	<2
FEB													
06-06	<.5	<.5	E.1	<2	<2	<1	<.5	E.2	E.1	<1	M	<.5	<2
09...	<.5	<.5	<.5	<2	<2	<1	<.5	E.1	<.5	<1	<.5	<.5	<2
MAR													
04...	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<.5	<1	<.5	<.5	<2
24...	M	<.5	<.5	<2	<2	<1	.6	E.1	M	<1	M	<.5	<2
JUL													
27...	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<.5	<1	<.5	<.5	<2
AUG													
02...	<.5	<.5	<.5	<2	<2	<1	<.5	Mt	Mt	<1	<.5	<.5	Mt
16...	Mt	<.5	E.1t	E1t	E1t	Mt	<.5	E.1t	Mt	Mt	Mt	<.5	E1t
SEP													
14...	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<.5	<1	<.5	<.5	<2

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)
OCT													
23...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	E.1	<.5	<.5	<.5	<.5
JAN													
08...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	M	<.5	<.5	<.5	<.5
15...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	M	<.5	<.5	<.5	<.5
FEB													
05...	<1.00	E.1	<.5	<5	<1	<.5	<1	M	E.1	<.5	<.5	<.5	<.5
FEB													
06-06	<1.00	E.1	<.5	<5	<1	<.5	<1	E.1	<.5	<.5	<.5	M	<.5
FEB													
06-06	<1.00	E.1	<.5	<5	<1	<.5	<1	E.1	<.5	<.5	<.5	E.1	<.5
09...	<1.00	E.1	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
MAR													
04...	<1.00	<.5	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
24...	<1.00	M	<.5	<5	<1	<.5	<1	<.5	M	<.5	<.5	<.5	<.5
JUL													
27...	<1.00	<.5	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
AUG													
02...	<1.00	E.1t	<.5	<5	<1	<.5	<1	Mt	<.5	<.5	<.5	<.5	<.5
16...	<1.00	E.4t	<.5	E2t	Mt	<.5	Mt	Mt	Mt	<.5	<.5	Mt	<.5
SEP													
14...	<1.00	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5

Date	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)
OCT													
23...	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.2	<.5	<.5	<.5
JAN													
08...	<.5	<.5	<.5	<.5	<.5	E.1	M	M	M	E.2	<.5	M	<.5
15...	<.5	<.5	<.5	<.5	<.5	E.1	M	<2	M	<.5	<.5	<.5	<.5
FEB													
05...	<.5	E.1	<.5	M	<.5	E.1	M	<2	M	E.5	<.5	M	<.5
FEB													
06-06	<.5	E.1	<.5	M	<.5	E.1	M	<2	E.1	E.4	<.5	E.1	<.5
FEB													
06-06	<.5	E.1	<.5	<.5	<.5	E.1	M	<2	E.1	E.4	<.5	E.1	<.5
09...	<.5	<.5	<.5	<.5	<.5	E.1	<1	<2	<.5	<.5	<.5	<.5	<.5
MAR													
04...	<.5	<.5	<.5	<.5	<.5	M	<1	<2	<.5	.8	<.5	<.5	<.5
24...	<.5	<.5	<.5	<.5	<.5	E.1	M	<2	M	.7	<.5	<.5	<.5
JUL													
27...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5
AUG													
02...	<.5	<.5	<.5	<.5	<.5	Mt	<1	<2	Mt	E.2t	<.5	Mt	<.5
16...	<.5	E.1t	<.5	Mt	<.5	<.5	Mt	Mt	Mt	E.5t	E.1t	Mt	<.5
SEP													
14...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2	<.5	1.8	<.5	<.5	<.5

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)
OCT									
23...	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
JAN									
08...	<.5	<.5	<1	<.5	M	E.3	E.1	E.1	<1.00
15...	<.5	E.1	<1	<.5	M	E.2	M	E.1	<1.00
FEB									
05...	<.5	E.1	<1	<.5	M	.5	E.1	E.1	<1.00
FEB									
06-06	<.5	E.1	<1	<.5	E.1	E.4	<.5	E.1	<1.00
FEB									
06-06	<.5	E.1	<1	<.5	E.1	E.3	<.5	<.5	<1.00
09...	<.5	<.5	<1	<.5	<.5	E.3	E.1	<.5	<1.00
MAR									
04...	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	<1.00
24...	<.5	M	<1	<.5	M	<.5	M	M	<1.00
JUL									
27...	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u
AUG									
02...	<.5	Mt	<1	<.5	<.5	<.5	E.1t	<.5	--u
16...	<.5	E.1t	<1	<.5	E.1n	1.1	E.1t	E.1t	--u
SEP									
14...	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5	--u

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)
OCT													
23...	0900	--	1	9	81350	3.00	15	7.0	758	7.8	78	7.2	131
JAN													
08...	1215	--	1	9	81350	3.12	22	8.2	753	13.5	104	6.9	119
15...	0932	--	1	9	81350	3.06	18	8.5	744	11.0	96	6.7	131
FEB													
02-02	1903	2010	1	J	81350	4.36	236	260	--	12.6	--	6.8	118
FEB													
02-02	2138	2310	1	J	81350	4.54	269	390	--	12.8	--	6.8	72
FEB													
03-03	0038	0122	1	J	81350	3.98	166	240	--	12.6	--	6.9	52
05...	1047	--	1	9	81350	3.17	27	8.0	749	11.0	91	7.0	119
FEB													
06-06	0918	1014	1	J	81350	3.74	122	130	741	12.5	105	6.8	62
FEB													
06-06	0932	0942	1	J	81350	3.75	124	84	741	11.9	101	6.7	64
FEB													
06-06	0942	0947	1	J	81350	3.74	122	88	741	11.9	101	6.7	64
FEB													
06-06	1115	1137	1	J	81350	4.20	206	390	741	12.4	105	6.9	66
FEB													
06-06	1117	1137	1	J	81350	4.20	206	240	741	11.9	101	6.7	82
FEB													
06-06	1148	1152	1	J	81350	4.20	206	280	741	12.4	105	6.8	71
09...	1002	--	1	9	81350	3.22	32	8.4	757	11.8	95	6.6	123
MAR													
04...	1302	--	1	9	81350	3.31	41	14	749	10.4	107	7.2	109
24...	0947	--	1	9	81350	3.04	17	13	763	11.9	108	7.6	130
MAY													
02-02	0322	0324	1	J	81350	5.67	497	1500	--	9.0	--	6.7	62
MAY													
16-16	2000	2002	1	J	81350	4.22	210	3300	--	3.6	--	7.1	124
MAY													
16-16	2130	2132	1	J	81350	5.69	5.1	1600	--	4.5	--	6.5	53
MAY													
16-16	2300	2302	1	J	81350	4.42	246	820	--	4.5	--	6.7	65
MAY													
17-17	0030	0032	1	J	81350	3.95	161	620	--	4.6	--	6.7	67
MAY													
17-17	0216	0218	1	J	81350	3.68	109	440	--	5.0	--	6.7	64
MAY													
17-17	1303	1305	1	J	81350	3.79	133	400	--	4.4	--	6.8	68
MAY													
17-17	1448	1450	1	J	81350	3.70	113	160	--	4.5	--	6.8	69
MAY													
17-17	1618	1620	1	J	81350	4.16	198	670	--	4.5	--	6.8	61
MAY													
17-17	1748	1750	1	J	81350	3.75	124	680	--	4.8	--	6.7	50
JUN													
07-07	1633	1635	1	J	81350	3.76	126	160	--	8.4	--	6.8	79
JUN													
07-07	2033	2035	1	J	81350	3.65	103	170	--	7.9	--	6.9	89
JUN													
07-07	2203	2205	1	J	81350	3.85	143	210	--	8.0	--	7.0	116
JUN													
07-07	2311	2313	1	J	81350	3.67	107	370	--	7.8	--	6.9	93
JUN													
15-15	1521	1849	1	J	81350	3.45	64	100	--	7.6	--	7.0	83
JUN													
15-15	2017	2019	1	J	81350	4.62	284	750	--	7.1	--	6.8	75
JUN													
15-15	2147	2149	1	J	81350	4.21	208	E900	--	E7.1	--	--	E62
JUN													
16-16	0049	0219	1	J	81350	3.60	94	300	--	7.3	--	6.7	68
JUL													
27...	0827	--	1	J	81350	3.49	71	50	750	7.2	89	7.0	87
AUG													
02...	0827	--	1	9	81350	2.96	12	11	749	7.5	92	7.1	127
16...	0912	--	1	J	81350	3.20	30	190	747	7.5	88	6.8	62
SEP													
14...	0732	--	1	9	81350	2.95	11	4.6	752	7.8	88	7.0	125

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Temperature, water, deg C (00010)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)
OCT													
23...	15.0	7.3	.7	10	790	3	1.1	84	140	58	9.3	44	14
JAN													
08...	4.0	11	1.5	7.8	680	6	.8	140	180	100	8.2	84	38
15...	8.5	13	1.0	4.6	610	6	.3	91	25	130	6.1	87	57
FEB													
02-02	5.3	9.4	.7	3.6	680	4	1.0	76	30	81	4.7	69	38
FEB													
02-02	4.9	10	1.0	4.3	640	3	.6	59	22	74	4.3	80	41
FEB													
03-03	5.2	9.6	2.1	6.8	560	3	.5	82	21	89	4.8	100	43
05...	6.5	10	1.4	8.3	650	4	.9	120	21	110	7.7	130	37
FEB													
06-06	6.8	11	.6	4.5	530	4	1.1	79	31	73	5.0	67	45
FEB													
06-06	7.0	8.8	1.0	4.3	490	3	.6	82	20	67	3.8	67	34
FEB													
06-06	7.0	9.4	1.1	4.5	510	3	.6	85	20	59	3.9	71	41
FEB													
06-06	6.9	8.9	1.5	4.8	480	3	1.1	80	21	70	4.2	74	43
FEB													
06-06	7.0	10	.6	3.9	590	4	.7	83	26	56	4.5	60	34
FEB													
06-06	7.0	9.1	.5	4.2	620	4	.8	84	26	53	4.0	59	33
09...	5.7	11	.7	8.6	600	5	1.0	110	25	99	7.9	92	39
MAR													
04...	16.0	8.4	<.2	4.3	550	4	.8	100	41	100	5.8	48	26
24...	11.0	9.7	.6	5.7	550	4	.7	91	28	140	7.4	120	42
MAY													
02-02	19.0	11	.4	5.1	600	3	.6	75	25	85	5.1	81	39
MAY													
16-16	21.5	9.1	1.7	3.7	730	3	.6	67	24	64	4.5	63	19
MAY													
16-16	18.0	11	1.8	4.8	630	3	.5	77	21	120	5.0	92	25
MAY													
16-16	19.5	12	2.1	5.8	710	3	.4	92	27	120	5.7	100	32
MAY													
17-17	20.0	11	2.3	5.9	620	3	.3	79	23	110	5.3	110	28
MAY													
17-17	20.0	11	2.2	6.3	600	3	.4	84	23	110	5.3	100	32
MAY													
17-17	22.0	9.8	2.3	4.7	650	3	.8	75	22	94	4.6	94	29
MAY													
17-17	21.5	9.2	2.5	4.2	580	3	.3	67	20	79	4.5	82	21
MAY													
17-17	21.0	12	1.7	4.8	750	4	.4	89	26	94	5.7	84	36
MAY													
17-17	20.5	12	1.7	5.1	650	3	.3	80	21	72	5.3	76	30
JUN													
07-07	24.0	8.7	2.6	4.6	540	3	1.3	63	25	70	4.0	86	37
JUN													
07-07	22.0	9.1	2.0	4.8	520	3	.7	73	30	56	4.6	55	33
JUN													
07-07	22.5	9.1	1.9	4.4	510	3	.6	60	28	66	4.1	65	35
JUN													
07-07	22.5	12	1.9	4.6	520	3	.5	63	24	60	4.6	63	37
JUN													
15-15	25.0	7.9	2.6	6.0	520	3	1.0	59	22	63	4.2	77	37
JUN													
15-15	24.5	8.8	1.0	3.4	620	3	.3	55	19	55	4.0	58	27
JUN													
15-15	--	6.4	.6	2.3	810	2	.2	31	11	40	2.3	48	18
JUN													
16-16	24.0	8.9	2.2	6.5	680	2	.5	59	18	85	4.4	88	31
JUL													
27...	25.0	12	.8	7.4	1100	3	.3	120	26	63	5.9	69	37
AUG													
02...	24.5	8.7	1.0	11	610	3	.6	350	18	78	7.7	73	28
16...	22.0	15	1.0	6.8	520	5	.2	160	23	63	6.4	88	53
SEP													
14...	20.5	10	.9	8.2	540	4	.4	170	25	67	7.7	67	39

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)
OCT												
23...	34000	.07	9	77	M	4	260	<50	.340	120	9200	<50
JAN												
08...	10000	.22	6	83	1	<2	89	<150	.490	130	3300	<150
15...	760	.28	2	55	M	<1	81	<100	.570	140	1500	<100
FEB												
02-02	1900	.07	2	46	M	<1	230	<100	.420	100	3000	<100
FEB												
02-02	1300	.08	3	37	1	<1	160	<100	.450	100	540	<100
FEB												
03-03	1200	--o	3	38	2	<1	210	<100	.350	110	470	<100
05...	1300	--o	4	51	1	<.5	140	<50	.440	130	1100	<50
FEB												
06-06	1500	.03	2	54	M	<1	170	<100	.460	100	3300	<100
FEB												
06-06	1000	--o	3	37	1	<2	230	<150	.390	85	990	<150
FEB												
06-06	1100	--o	3	39	1	<2	240	<150	.410	88	1000	<150
FEB												
06-06	1200	--o	4	40	1	<1	310	<100	.310	84	970	<100
FEB												
06-06	1300	.13	2	48	M	<1	160	<100	.500	99	2700	<100
FEB												
06-06	1500	.13	1	48	M	<1	190	<100	.470	94	3700	<100
09...	1500	.07	8	58	1	<1	140	<100	.450	140	1200	<100
MAR												
04...	3300	.16	3	61	1	<1	87	<100	.470	110	1300	<100
24...	1700	.12	3	53	1	<1	180	<100	.470	130	2200	<100
MAY												
02-02	1700	--o	2	43	1	<1	120	<50	.580	120	450	<50
MAY												
16-16	2400	.10	2	38	M	<2	140	<150	.490	97	1200	<150
MAY												
16-16	1200	--o	1	46	1	<1	97	<100	.570	120	370	<100
MAY												
16-16	1600	.14	2	52	1	<1	130	<100	.640	130	360	<100
MAY												
17-17	1400	.12	2	47	1	<1	110	<100	.580	130	370	<100
MAY												
17-17	1300	.13	2	47	1	<1	140	<100	.570	130	380	<100
MAY												
17-17	1600	--o	3	42	1	<1	120	<100	.500	100	760	<100
MAY												
17-17	1400	--o	2	41	1	<2	160	<150	.460	100	630	<150
MAY												
17-17	1400	--o	2	47	1	<1	130	<100	.660	130	370	<100
MAY												
17-17	980	.10	2	50	1	<1	130	<100	.610	130	300	<100
JUN												
07-07	2300	--o	10	41	1	<2	150	<150	.420	70	1300	<150
JUN												
07-07	3300	--o	7	46	1	<2	210	<150	.430	80	1100	<150
JUN												
07-07	2900	--o	6	37	1	<1	250	<100	.430	79	860	<100
JUN												
07-07	1900	--o	7	37	1	<1	200	<100	.480	93	650	<100
JUN												
15-15	2500	.12	4	39	M	1	230	<100	.410	90	950	<100
JUN												
15-15	1200	.06	2	31	M	<1	130	<100	.500	96	420	<100
JUN												
15-15	630	.06	1	18	M	<.5	170	<50	.230	56	180	<50
JUN												
16-16	1100	.12	2	37	M	<1	180	<100	.450	120	420	<100
JUL												
27...	3200	.18	5	74	1	<.5	120	<50	.570	140	460	<50
AUG												
02...	1800	.13	31	220	1	<1	270	<100	.400	120	1400	<100
16...	1500	.13	11	97	1	1	110	<50	.670	160	530	<50
SEP												
14...	1800	.09	14	110	1	<1	270	<100	.510	120	1400	<100

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Remark codes used in this table:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Null value qualifier codes used in this table:
   o -- Insufficient amount of water
   u -- Unable to determine-matrix interference

Value qualifier codes used in this table:
   k -- Counts outside acceptable range
   n -- Below the LRL and above the LT-MDL
   t -- Below the long-term MDL

2004 Water Year

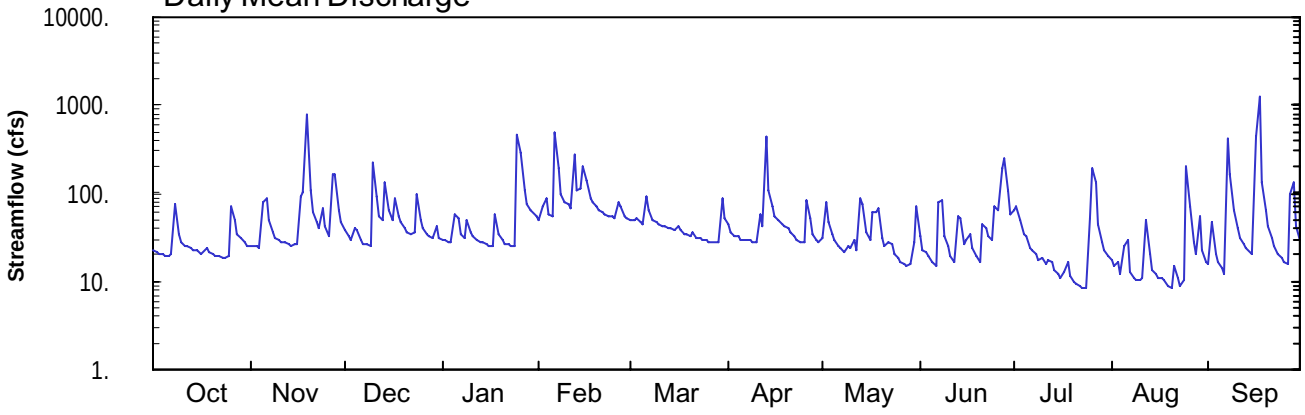
APALACHICOLA RIVER BASIN

02336968 NOSES CREEK AT POWDER SPRINGS RD,POWDER SPRINGS,GA

Latitude: 33°51'33" Longitude: 084°39'10" Hydrologic Unit Code: 03130002

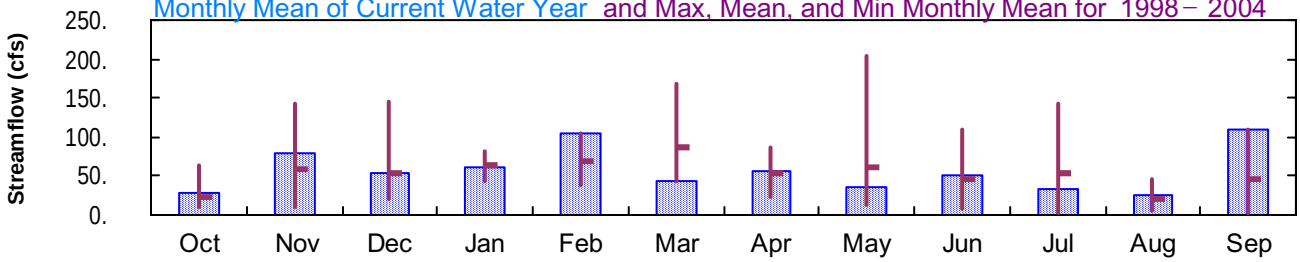
Cobb County Datum: 882.8 feet Drainage Area: 44.5 mi^2

Daily Mean Discharge

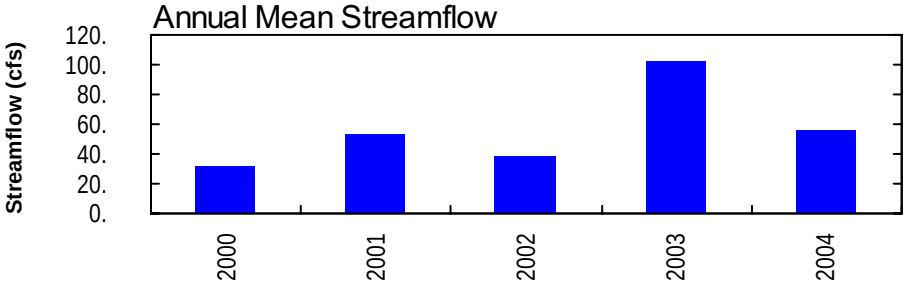


Monthly Statistics

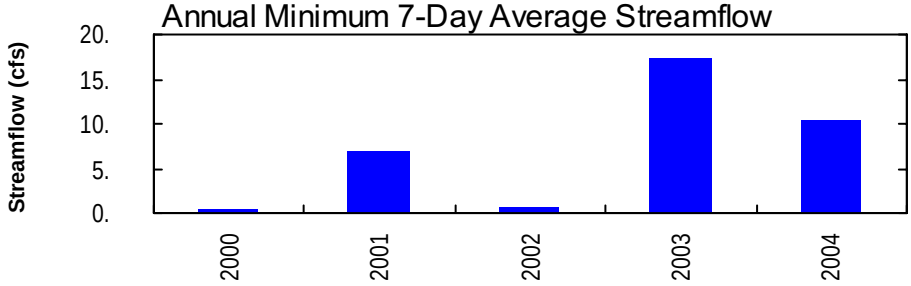
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1998 – 2004



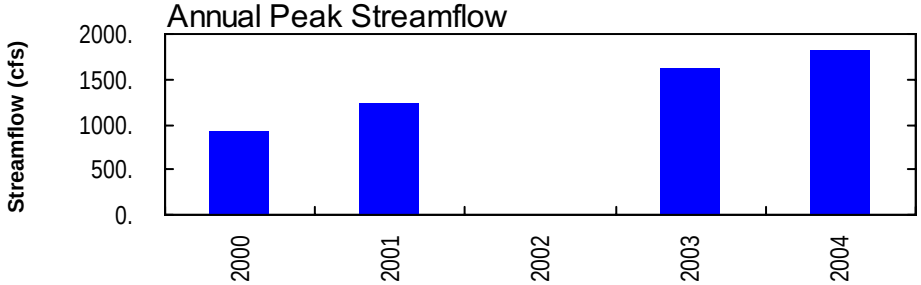
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02336968 NOSES CREEK AT POWDER SPRINGS ROAD, NEAR POWDER SPRINGS, GA

LOCATION.—Lat 33°51'33", long 84°39'10", referenced to North American Datum (NAD) of 1927, Cobb County, Hydrologic Unit 03130002, on the right downstream abutment, 1.9 miles east of Powder Springs, 0.2 miles north of Seaboard Coast Line Railway, and 3.2 miles above mouth.

DRAINAGE AREA.—44.5 square miles.

COOPERATION.—Cobb County Water System.

WATER–DISCHARGE RECORDS

PERIOD OF RECORD.—July 16, 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 882.8 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Cobb County).

REMARKS.—Records fair.

WATER–STAGE RECORDS

PERIOD OF RECORD.—July 16, 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 882.8 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Cobb County).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.29 feet, September 17; minimum gage-height recorded, 1.27 feet, July 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 18, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336968 NOSES CREEK AT POWDER SPRINGS RD,POWDER SPRINGS,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335133 LONGITUDE 0843910 NAD27 DRAINAGE AREA 44.5 CONTRIBUTING DRAINAGE AREA 44.5* DATUM 882.8 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	25	38	29	50	51	44	31	33	66	17	16
2	21	26	33	29	71	49	37	81	23	70	15	48
3	21	25	30	28	89	53	33	48	21	48	16	21
4	20	24	41	28	59	47	32	35	20	35	12	17
5	19	79	38	57	54	46	30	e30	16	32	25	14
6	19	89	30	52	489	94	29	e25	15	24	30	12
7	20	49	27	34	196	64	30	24	80	23	13	412
8	74	35	26	31	97	50	30	22	85	20	11	161
9	34	32	25	50	81	46	29	25	32	18	10	63
10	27	29	222	37	74	44	28	24	25	18	11	40
11	26	29	93	32	69	43	57	29	20	16	11	31
12	25	28	56	30	282	42	43	23	17	17	49	26
13	23	27	50	29	110	40	446	88	55	17	20	24
14	23	25	133	28	113	40	106	75	52	13	13	22
15	23	26	64	27	199	38	72	36	26	12	12	21
16	21	26	50	26	137	42	55	29	30	11	11	439
17	21	90	88	25	e90	38	50	60	34	13	11	1260
18	24	104	56	57	78	35	44	60	24	17	11	136
19	21	781	48	35	70	34	41	69	19	11	8.8	66
20	20	110	40	29	65	33	40	31	17	9.9	8.4	43
21	20	62	36	27	62	36	36	25	44	9.1	15	32
22	19	47	34	26	57	31	33	29	41	8.9	11	26
23	18	39	37	25	55	31	30	27	33	8.5	9.1	21
24	19	66	99	25	54	30	28	21	29	8.6	11	18
25	19	43	49	459	52	29	27	19	71	53	201	17
26	73	32	39	291	81	28	85	17	63	191	71	16
27	51	166	35	106	70	28	53	16	196	135	28	97
28	34	165	33	76	56	28	35	15	244	45	20	135
29	30	65	31	65	53	28	30	16	108	28	55	42
30	27	47	42	60	---	86	28	28	57	23	23	29
31	26	---	32	54	---	51	---	73	---	19	17	---
TOTAL	841	2391	1655	1907	3013	1335	1661	1131	1530	1020.0	776.3	3305
MEAN	27.1	79.7	53.4	61.5	104	43.1	55.4	36.5	51.0	32.9	25.0	110
MAX	74	781	222	459	489	94	446	88	244	191	201	1260
MIN	18	24	25	25	50	28	27	15	15	8.5	8.4	12
CFSM	0.61	1.79	1.20	1.38	2.33	0.97	1.24	0.82	1.15	0.74	0.56	2.48
IN.	0.70	2.00	1.38	1.59	2.52	1.12	1.39	0.95	1.28	0.85	0.65	2.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	22.3	57.6	52.5	64.2	69.1	87.1	52.7	60.5	45.6	52.9	20.8	46.5
MAX	64.2	144	147	82.8	104	169	87.5	205	109	144	45.8	110
(WY)	2003	2003	2003	2002	2004	2001	2003	2003	2003	2003	2003	2004
MIN	9.08	10.0	19.7	44.6	39.1	43.1	24.1	13.6	6.42	2.89	4.15	3.49
(WY)	1999	2002	2000	2000	2002	2004	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	31731		20565.3			
ANNUAL MEAN	86.9		56.2		53.0	
HIGHEST ANNUAL MEAN					103	2003
LOWEST ANNUAL MEAN					32.6	2000
HIGHEST DAILY MEAN	1290	Mar 6	1260	Sep 17	1290	Mar 6 2003
LOWEST DAILY MEAN	16	Sep 20	8.4	Aug 20	0.09	Aug 19 2000
ANNUAL SEVEN-DAY MINIMUM	17	Sep 15	10	Jul 18	0.35	Aug 13 2000
MAXIMUM PEAK FLOW			1820	Sep 17	2880	Jun 30 1999
MAXIMUM PEAK STAGE			12.29	Sep 17	12.60	Jun 30 1999
INSTANTANEOUS LOW FLOW			7.2	Jul 24	0.31	Sep 13 2002
ANNUAL RUNOFF (CFSM)	1.95		1.26		1.19	
ANNUAL RUNOFF (INCHES)	26.53		17.19		16.18	
10 PERCENT EXCEEDS	144		91		97	
50 PERCENT EXCEEDS	51		32		27	
90 PERCENT EXCEEDS	24		16		7.4	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336968 NOSES CREEK AT POWDER SPRINGS RD,POWDER SPRINGS,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335133 LONGITUDE 0843910 NAD27 DRAINAGE AREA 44.5 CONTRIBUTING DRAINAGE AREA 44.5* DATUM 882.8 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.53	1.62	2.09	1.96	2.14	2.15	2.06	1.86	1.89	2.35	1.60	1.57
2	1.51	1.63	2.02	1.95	2.40	2.13	1.95	2.56	1.73	2.41	1.54	2.07
3	1.51	1.60	1.97	1.94	2.66	2.19	1.90	2.11	1.69	2.12	1.57	1.68
4	1.50	1.60	2.13	1.94	2.28	2.11	1.89	1.93	1.66	1.93	1.46	1.58
5	1.49	2.20	2.09	2.31	2.20	2.08	1.84	---	1.57	1.89	1.65	1.51
6	1.49	2.47	1.97	2.28	5.48	2.69	1.84	---	1.53	1.75	1.82	1.46
7	1.51	1.97	1.92	2.04	3.69	2.34	1.85	1.74	2.24	1.72	1.49	5.11
8	2.26	1.79	1.90	1.98	2.75	2.15	1.85	1.70	2.55	1.67	1.43	3.37
9	1.77	1.73	1.89	2.26	2.56	2.10	1.83	1.75	1.89	1.61	1.40	2.33
10	1.66	1.69	3.76	2.07	2.48	2.06	1.81	1.75	1.76	1.62	1.40	2.01
11	1.62	1.68	2.78	2.00	2.40	2.04	2.23	1.83	1.66	1.56	1.41	1.87
12	1.61	1.66	2.33	1.97	4.32	2.03	2.04	1.72	1.59	1.58	2.08	1.79
13	1.58	1.64	2.25	1.95	2.91	2.01	5.45	2.51	2.19	1.58	1.66	1.74
14	1.58	1.62	3.18	1.93	2.93	2.00	2.85	2.46	2.17	1.49	1.50	1.70
15	1.57	1.64	2.44	1.92	3.69	1.97	2.44	1.95	1.79	1.46	1.46	1.68
16	1.53	1.64	2.25	1.89	3.18	2.04	2.22	1.84	1.84	1.42	1.42	4.65
17	1.54	2.45	2.72	1.89	---	1.97	2.14	2.26	1.91	1.47	1.43	9.73
18	1.59	2.49	2.34	2.34	2.52	1.93	2.06	2.24	1.73	1.58	1.40	3.23
19	1.54	7.48	2.22	2.05	2.42	1.92	2.02	2.36	1.65	1.43	1.34	2.50
20	1.52	2.95	2.12	1.95	2.36	1.90	2.00	1.87	1.58	1.38	1.32	2.22
21	1.51	2.42	2.06	1.92	2.31	1.95	1.94	1.77	1.98	1.35	1.52	2.06
22	1.49	2.22	2.04	1.91	2.24	1.87	1.89	1.81	2.01	1.34	1.41	1.96
23	1.48	2.11	2.07	1.88	2.21	1.86	1.85	1.80	1.89	1.32	1.35	1.86
24	1.48	2.45	2.82	1.88	2.20	1.85	1.82	1.68	1.83	1.32	1.38	1.81
25	1.50	2.16	2.25	5.32	2.18	1.84	1.80	1.64	2.37	1.76	3.37	1.76
26	2.23	2.01	2.11	4.40	2.55	1.83	2.57	1.59	2.32	3.53	2.41	1.74
27	2.00	3.18	2.05	2.86	2.42	1.83	2.18	1.56	3.31	3.07	1.82	2.53
28	1.77	3.45	2.01	2.50	2.24	1.82	1.93	1.54	4.00	2.07	1.67	3.15
29	1.71	2.46	2.00	2.35	2.18	1.82	1.85	1.56	2.84	1.82	2.20	2.20
30	1.65	2.22	2.15	2.28	---	2.60	1.82	1.81	2.24	1.72	1.72	2.02
31	1.63	---	2.00	2.20	---	2.16	---	2.38	---	1.65	1.59	---
MEAN	1.62	2.27	2.26	2.26	---	2.04	2.13	---	2.05	1.77	1.64	2.50
MAX	2.26	7.48	3.76	5.32	---	2.69	5.45	---	4.00	3.53	3.37	9.73
MIN	1.48	1.60	1.89	1.88	---	1.82	1.80	---	1.53	1.32	1.32	1.46

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336968 NOSES CREEK AT POWDER SPRINGS RD,POWDER SPRINGS,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335133 LONGITUDE 0843910 NAD27 DRAINAGE AREA 44.5 CONTRIBUTING DRAINAGE AREA 44.5* DATUM 882.8 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.38	0.00	0.00	0.00	0.01
2	0.00	0.00	0.00	0.00	0.51	0.08	0.00	0.26	0.00	0.22	0.00	0.00
3	0.00	0.00	0.10	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.21	0.00	0.66	0.01	0.00	0.00	---	0.00	0.00	0.96	0.00
6	0.25	0.39	0.00	0.00	1.41	0.47	0.00	---	0.00	0.00	0.00	0.09
7	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.15	0.00	2.75
8	0.80	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.02
9	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00
10	0.00	0.00	1.16	0.00	0.14	0.00	0.00	0.00	0.00	0.22	0.02	0.00
11	0.00	0.00	0.00	0.00	0.21	0.00	0.55	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.75	0.00	0.70	0.00	0.00	0.84	0.93	0.00
13	0.01	0.00	0.51	0.00	0.00	0.00	0.76	0.56	0.41	0.00	0.00	0.00
14	0.07	0.00	0.09	0.00	0.38	0.00	---	0.01	0.01	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.17	0.00	0.00	0.00
16	0.00	0.00	0.29	0.00	0.00	0.09	0.00	0.11	0.40	0.00	0.00	4.70
17	0.07	0.64	0.11	0.31	---	0.00	0.00	0.12	0.00	0.12	0.00	0.15
18	0.00	2.13	0.00	0.04	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
19	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
21	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.00	1.15	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.00	0.00	0.00
23	0.00	0.00	0.57	0.00	0.00	0.00	0.00	---	0.35	0.00	0.00	0.00
24	0.00	0.36	0.00	0.05	0.02	0.00	0.00	0.00	0.06	0.22	0.00	0.00
25	0.00	0.00	0.00	2.15	0.10	0.00	0.00	0.00	0.14	1.93	1.21	0.00
26	1.27	0.00	0.00	0.00	0.43	0.00	0.66	0.00	0.01	0.39	0.00	0.00
27	0.00	1.33	0.00	0.00	0.02	0.00	0.00	0.00	1.37	0.26	0.00	1.62
28	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.00	0.64	0.00
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.19	0.00	0.01	0.29	0.00
30	0.00	0.00	0.10	0.00	---	1.04	0.02	0.01	0.64	0.13	0.01	0.00
31	0.00	---	0.00	0.00	---	0.04	---	0.85	---	0.01	0.00	---
TOTAL	2.50	5.63	3.31	3.46	---	1.82	---	---	5.84	4.50	4.17	9.34

2004 Water Year

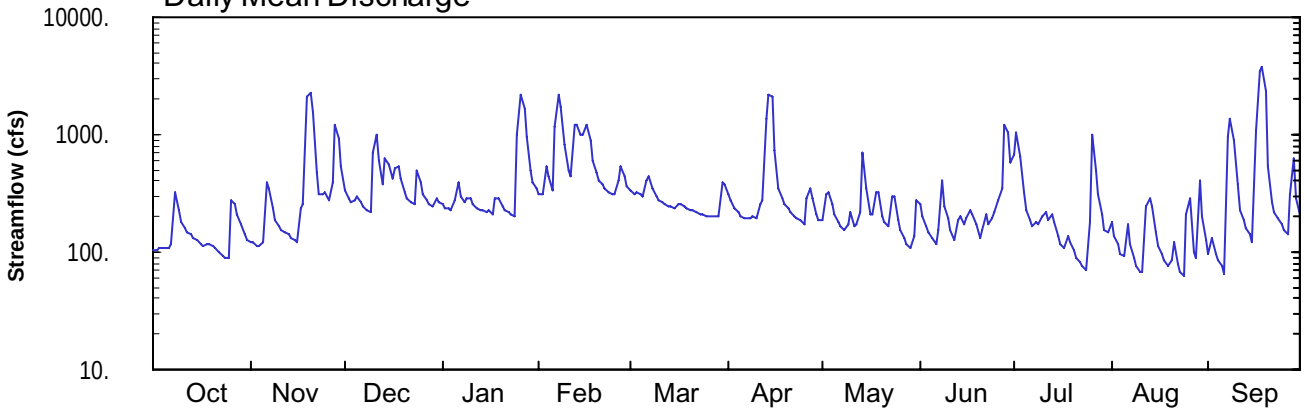
APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA

Latitude: 33°46'22" Longitude: 084°36'53" Hydrologic Unit Code: 03130002

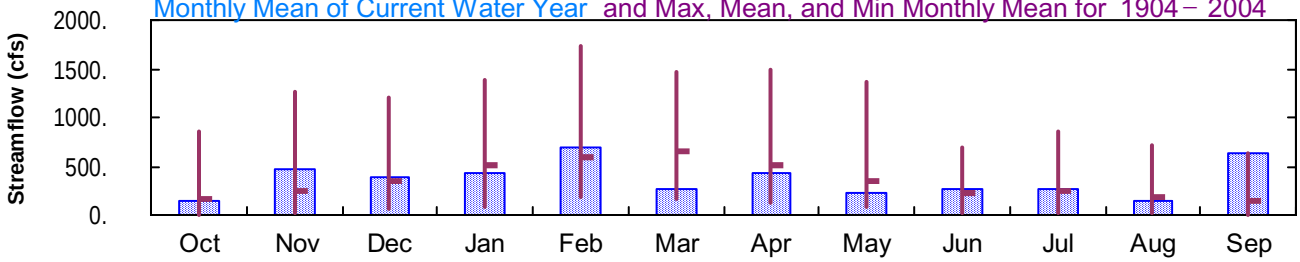
Douglas County Datum: 857.01 feet Drainage Area: 246. mi²

Daily Mean Discharge

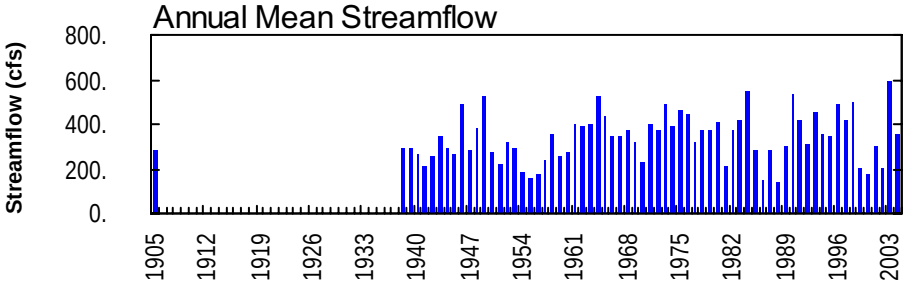


Monthly Statistics

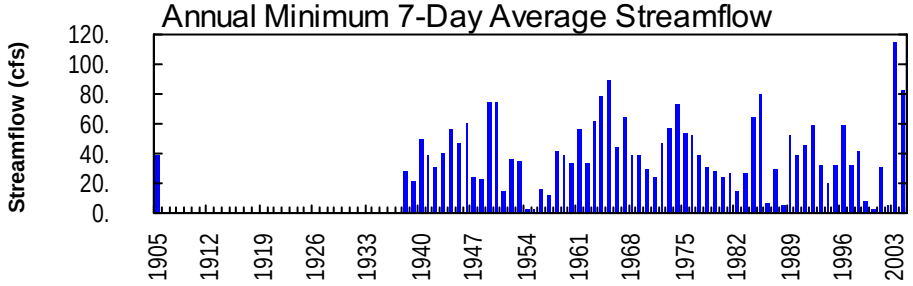
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1904 – 2004



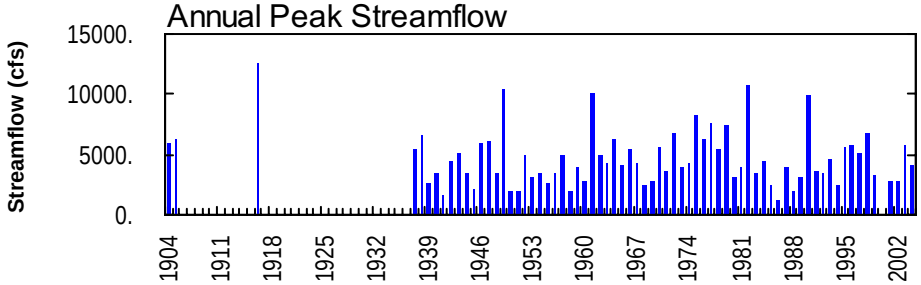
Annual Mean Streamflow

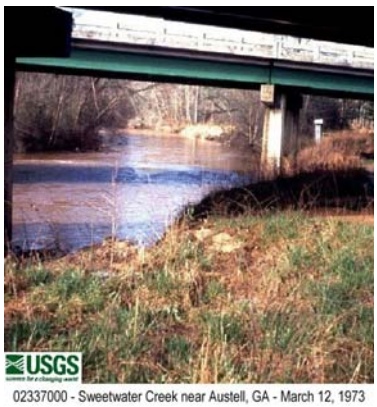


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02337000 - Sweetwater Creek near Austell, GA - March 12, 1973

APALACHICOLA RIVER BASIN
2004 Water Year

02337000 SWEETWATER CREEK NEAR AUSTELL, GA

LOCATION.—Lat 33°46'22", long 84°36'53", referenced to North American Datum (NAD) of 1927, Douglas County, Hydrologic Unit 03130002, on right bank 100.0 feet upstream from bridge on Interstate 20, 400.0 feet upstream from Blair Bridge, 3.0 miles southeast of Austell, and 5.5 miles upstream from mouth.

DRAINAGE AREA.—246 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for November to December 1913, published in WSP 1304.

REVISED RECORDS.—WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 857.01 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). From May 6, 1904, to December 31, 1905, and November 3 to December 27, 1913, a non-recording gage was located at site 2.5 miles upstream at different datum. From March 24 to November 29, 1937, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of July 8, 1916 reached a stage of about 20.0 feet, from information by local resident; discharge, 12,600 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than a base discharge of 1,800 cfs and maximum(*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/20	0215	2,570	7.90
01/26	0930	2,320	7.29
02/07	0745	2,360	7.39
04/15	0015	2,360	7.40
09/18	0100	4,080*	11.24*

02337000 SWEETWATER CREEK NEAR AUSTELL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for November to December 1913, published in WSP 1304.

REVISED RECORDS.—WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 857.01 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). From May 6, 1904, to December 31, 1905, and November 3 to December 27, 1913, a non-recording gage was located at site 2.5 miles upstream at different datum. From March 24 to November 29, 1937, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.24 feet, September 18; minimum gage-height recorded, 0.93 feet, August 24, 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 14, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337000 SWEETWATER CREEK NEAR AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334622 LONGITUDE 0843653 NAD27 DRAINAGE AREA 246.00* CONTRIBUTING DRAINAGE AREA DATUM 857.01 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	122	335	251	308	334	315	185	257	668	182	95
2	103	119	283	238	315	313	271	308	204	1030	138	132
3	110	114	261	233	537	320	240	319	167	645	117	97
4	106	114	280	228	437	311	222	260	148	317	96	85
5	110	121	298	274	341	296	204	206	129	230	91	75
6	109	388	266	393	1170	405	196	180	115	189	175	65
7	119	353	242	302	2200	444	193	163	153	167	117	971
8	321	232	229	260	1700	355	195	152	415	181	90	1350
9	225	186	217	282	833	302	199	171	246	174	75	905
10	180	165	715	288	499	278	194	217	195	200	68	370
11	158	154	993	260	438	264	253	169	156	223	67	224
12	146	147	606	240	1190	257	279	172	128	185	244	188
13	142	139	378	231	1220	248	1350	214	186	211	289	161
14	134	132	635	226	1020	244	2190	714	203	178	248	142
15	126	125	562	221	999	239	2080	351	171	139	149	122
16	116	122	418	224	1190	251	734	209	195	116	112	1090
17	114	238	508	214	902	258	352	210	231	109	95	3520
18	119	252	527	287	609	242	289	319	209	135	84	3800
19	118	2070	427	287	474	234	257	321	170	122	75	2410
20	113	2310	318	250	409	226	237	203	131	104	84	543
21	107	1520	282	226	375	231	219	179	156	90	122	269
22	100	472	260	215	347	222	206	163	210	83	79	217
23	94	312	260	209	325	210	194	297	172	77	68	191
24	91	316	493	204	313	208	184	295	198	71	64	174
25	88	328	389	1020	312	205	174	186	215	178	213	156
26	272	275	312	2190	409	204	287	152	272	1000	291	143
27	252	399	275	1660	531	203	354	132	e350	496	100	315
28	209	1230	256	975	444	202	291	117	1200	308	89	624
29	173	920	248	489	363	200	213	110	1050	212	414	290
30	143	538	284	388	---	386	187	135	580	156	205	213
31	129	---	270	344	---	384	---	275	---	150	128	---
TOTAL	4433	13913	11827	13109	20210	8476	12559	7084	8212	8144	4369	18937
MEAN	143	464	382	423	697	273	419	229	274	263	141	631
MAX	321	2310	993	2190	2200	444	2190	714	1200	1030	414	3800
MIN	88	114	217	204	308	200	174	110	115	71	64	65
CFSM	0.58	1.89	1.55	1.72	2.83	1.11	1.70	0.93	1.11	1.07	0.57	2.57
IN.	0.67	2.10	1.79	1.98	3.06	1.28	1.90	1.07	1.24	1.23	0.66	2.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2004, BY WATER YEAR (WY)

MEAN	158	236	347	503	583	654	517	345	230	239	177	133
MAX	852	1265	1196	1378	1727	1473	1494	1363	701	857	722	631
(WY)	1990	1949	1984	1972	1961	1990	1979	2003	2003	2003	1904	2004
MIN	5.66	25.7	68.8	81.6	183	173	130	87.5	20.7	15.8	23.0	4.36
(WY)	1955	1955	1956	1956	1938	1988	1986	1988	1988	1986	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1904 - 2004		
ANNUAL TOTAL	191072		131273				
ANNUAL MEAN	523		359		340		
HIGHEST ANNUAL MEAN					595		2003
LOWEST ANNUAL MEAN					141		1988
HIGHEST DAILY MEAN	5340	May 8	3800	Sep 18	10100	Feb 4	1982
LOWEST DAILY MEAN	86	Sep 21	64	Aug 24	2.1	Oct 9	1954
ANNUAL SEVEN-DAY MINIMUM	102	Oct 19	82	Aug 18	2.3	Oct 5	1954
MAXIMUM PEAK FLOW			4080	Sep 18	10700	Feb 4	1982
MAXIMUM PEAK STAGE			11.24	Sep 18	19.90	Feb 4	1982
INSTANTANEOUS LOW FLOW			61	Aug 24 a	0.52	Jul 6	1990
ANNUAL RUNOFF (CFSM)	2.13		1.46		1.38		
ANNUAL RUNOFF (INCHES)	28.89		19.85		18.80		
10 PERCENT EXCEEDS	1030		714		678		
50 PERCENT EXCEEDS	308		230		198		
90 PERCENT EXCEEDS	126		110		59		

e Estimated
a Also Aug 25

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337000 SWEETWATER CREEK NEAR AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334622 LONGITUDE 0843653 NAD27 DRAINAGE AREA 246.00* CONTRIBUTING DRAINAGE AREA DATUM 857.01 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.27	1.36	2.29	1.96	2.19	2.28	2.22	1.67	1.98	3.21	1.65	1.20
2	1.25	1.35	2.09	1.90	2.21	2.21	2.04	2.19	1.75	4.08	1.45	1.40
3	1.29	1.32	2.00	1.88	2.87	2.23	1.91	2.23	1.59	3.14	1.34	1.21
4	1.27	1.31	2.08	1.86	2.61	2.20	1.83	1.99	1.50	2.22	1.20	1.13
5	1.29	1.36	2.15	2.04	2.31	2.14	1.75	1.76	1.40	1.87	1.17	1.06
6	1.28	2.46	2.02	2.48	4.41	2.49	1.71	1.65	1.32	1.68	1.62	0.97
7	1.34	2.35	1.92	2.16	6.99	2.63	1.70	1.57	1.46	1.58	1.33	3.84
8	2.20	1.87	1.86	2.00	5.78	2.36	1.71	1.51	2.50	1.65	1.17	4.90
9	1.84	1.67	1.81	2.08	3.61	2.17	1.73	1.60	1.93	1.62	1.06	3.79
10	1.64	1.58	3.24	2.11	2.78	2.07	1.70	1.81	1.71	1.73	1.00	2.38
11	1.54	1.52	4.01	2.00	2.61	2.01	1.95	1.59	1.53	1.83	0.99	1.84
12	1.49	1.49	3.05	1.91	4.51	1.98	2.07	1.61	1.40	1.67	1.89	1.68
13	1.47	1.46	2.44	1.87	4.57	1.94	4.88	1.79	1.67	1.78	2.12	1.56
14	1.43	1.42	3.12	1.84	4.07	1.93	6.99	3.32	1.74	1.63	1.94	1.47
15	1.39	1.38	2.94	1.83	4.03	1.90	6.71	2.31	1.60	1.45	1.50	1.36
16	1.33	1.36	2.56	1.84	4.50	1.96	3.36	1.77	1.71	1.33	1.30	3.95
17	1.32	1.89	2.80	1.80	3.79	1.99	2.35	1.78	1.87	1.29	1.20	10.04
18	1.34	1.95	2.85	2.10	3.06	1.92	2.12	2.23	1.77	1.43	1.13	10.64
19	1.34	6.68	2.58	2.11	2.71	1.88	1.98	2.22	1.60	1.36	1.06	7.47
20	1.31	7.27	2.23	1.95	2.53	1.85	1.90	1.75	1.41	1.25	1.10	2.86
21	1.27	5.32	2.09	1.85	2.43	1.87	1.82	1.64	1.51	1.17	1.34	2.03
22	1.23	2.69	2.00	1.80	2.33	1.83	1.76	1.57	1.77	1.12	1.09	1.81
23	1.19	2.20	1.99	1.77	2.25	1.78	1.70	2.11	1.61	1.07	1.00	1.69
24	1.17	2.21	2.76	1.75	2.21	1.77	1.66	2.12	1.72	1.02	0.96	1.62
25	1.16	2.26	2.47	3.98	2.20	1.75	1.62	1.67	1.79	1.44	1.63	1.53
26	1.98	2.06	2.20	6.98	2.52	1.75	2.06	1.52	2.04	4.03	2.04	1.48
27	1.96	2.39	2.06	5.69	2.86	1.75	2.35	1.42	---	2.74	1.23	2.03
28	1.77	4.58	1.98	3.97	2.63	1.74	2.12	1.34	4.52	2.19	1.14	3.09
29	1.61	3.84	1.94	2.75	2.39	1.73	1.79	1.29	4.14	1.79	2.50	2.11
30	1.48	2.87	2.10	2.47	---	2.42	1.67	1.43	2.98	1.53	1.76	1.79
31	1.40	---	2.04	2.32	---	2.46	---	2.03	---	1.50	1.39	---
MAX	2.20	7.27	4.01	6.98	6.99	2.63	6.99	3.32	---	4.08	2.50	10.64

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337000 SWEETWATER CREEK NEAR AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334622 LONGITUDE 0843653 NAD27 DRAINAGE AREA 246.00* CONTRIBUTING DRAINAGE AREA DATUM 857.01 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.62	0.00	0.14	0.00	0.02
2	0.00	0.00	0.00	0.00	0.44	0.05	0.00	0.28	0.00	0.43	0.06	0.23
3	0.00	0.00	0.01	0.00	0.08	0.01	0.00	0.00	0.00	0.05	0.00	0.01
4	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.08	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00
6	0.10	0.24	0.00	0.00	1.21	0.43	0.00	0.00	0.00	0.00	0.00	0.12
7	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.28	0.00	3.04
8	0.84	0.00	0.00	0.04	0.00	0.00	0.14	0.00	0.01	0.01	0.00	0.04
9	0.00	0.00	0.00	0.22	0.00	0.01	0.00	1.08	0.02	0.50	0.00	0.00
10	0.00	0.00	0.46	0.00	0.08	0.00	0.00	0.01	0.00	0.00	0.05	0.00
11	0.01	0.00	0.00	0.00	0.22	0.00	0.33	0.00	0.00	0.00	---	0.00
12	0.00	0.00	0.00	0.00	0.81	0.00	0.50	0.67	0.00	0.16	1.59	0.00
13	0.00	0.00	0.20	0.00	0.00	0.00	0.54	0.14	0.22	0.00	0.00	0.00
14	0.05	0.00	0.11	0.00	0.47	0.00	0.01	0.01	0.00	0.01	0.00	0.00
15	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.40	0.00	0.00	0.00
16	0.00	0.00	0.24	0.00	0.01	0.26	0.00	0.00	0.46	0.00	0.00	4.50
17	0.09	0.53	0.07	0.28	0.00	0.00	0.00	0.24	0.00	0.20	0.00	0.15
18	0.00	1.35	0.05	0.07	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
19	0.00	0.84	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00
21	0.00	0.00	0.00	0.00	0.03	0.06	0.00	0.00	0.50	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.14	0.00	0.00	0.00
23	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00
24	0.00	0.33	0.00	0.02	---	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	0.00	2.30	0.14	0.00	0.00	0.00	0.08	1.51	0.43	0.00
26	1.63	0.00	0.00	0.02	0.44	0.00	0.78	0.00	0.02	0.13	0.00	0.00
27	0.01	1.07	0.00	0.00	0.01	0.00	0.00	0.00	---	0.01	0.00	2.03
28	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.03	0.64	0.00	1.09	0.00
29	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.03	0.01
30	0.00	0.00	0.18	0.00	---	0.95	0.04	0.00	0.35	0.00	0.06	0.00
31	0.00	---	0.00	0.00	---	0.20	---	0.70	---	0.00	0.00	---
TOTAL	2.93	4.48	2.19	3.44	---	1.97	2.35	4.16	---	3.43	---	10.15

2004 Water Year

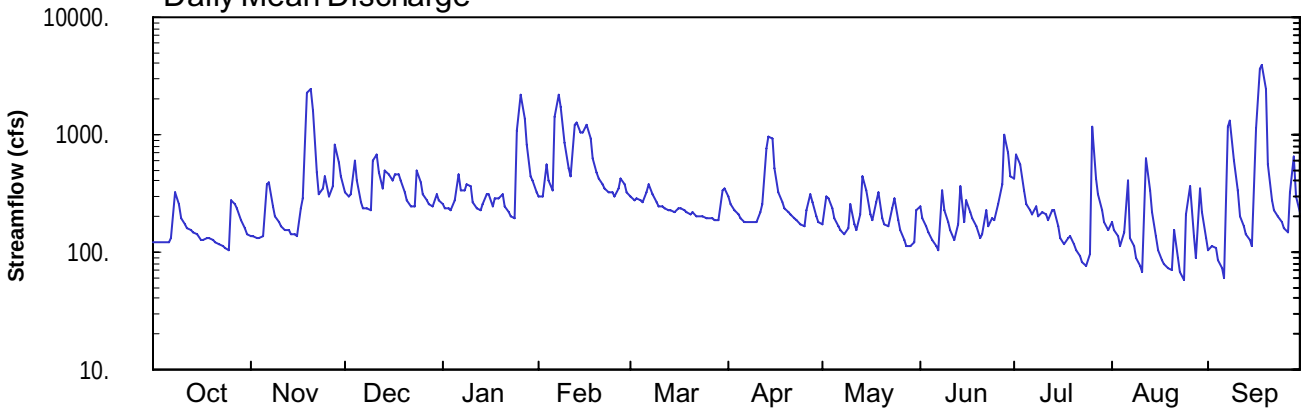
APALACHICOLA RIVER BASIN

02337040 SWEETWATER CREEK BELOW AUSTELL, GA

Latitude: 33°43'15" Longitude: 084°36'54" Hydrologic Unit Code: 03130002

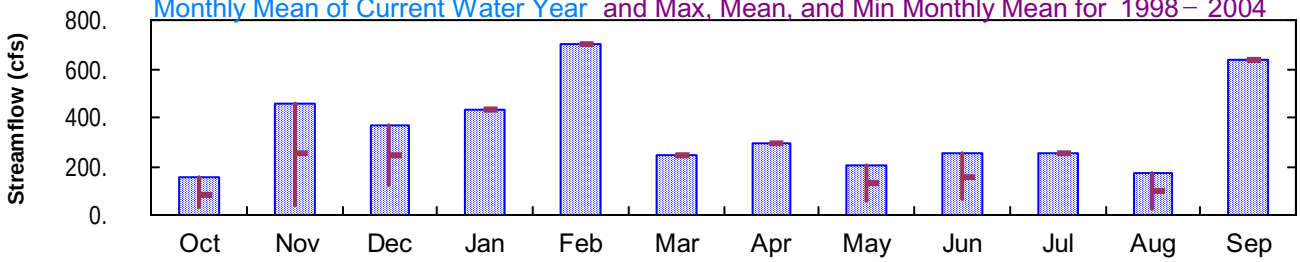
Douglas County Datum: 740 feet Drainage Area: 262. mi²

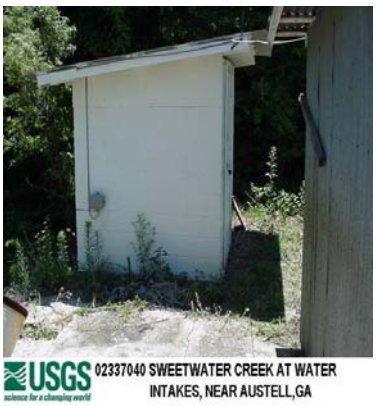
Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1998 – 2004





APALACHICOLA RIVER BASIN
2004 Water Year

02337040 SWEETWATER CREEK BELOW AUSTELL, GA

LOCATION.—Lat 33°43'15", long 84°36'54", referenced to North American Datum (NAD) of 1927, Douglas County, Hydrologic Unit 03130002, on left bank where River Road accesses Sweetwater Creek, 1.3 miles upstream from confluence with Chattahoochee River, 6.3 miles south of Austell, 7.8 miles southeast of Douglasville.

DRAINAGE AREA.—262 square miles.

COOPERATION.—City of East Point.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August, 1998 to current year.

REVISED RECORDS.—WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 740.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August, 1998 to current year.

REVISED RECORDS.—WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 740.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.80 feet, September 17; minimum gage-height recorded, 1.26 feet, August 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337040 SWEETWATER CREEK BELOW AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334315 LONGITUDE 0843654 NAD27 DRAINAGE AREA 262* CONTRIBUTING DRAINAGE AREA DATUM 740 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	138	322	e253	e302	300	293	173	249	432	179	104
2	119	136	297	e239	e297	278	254	296	197	681	156	112
3	121	133	310	e234	e558	285	227	284	164	562	134	108
4	120	133	611	e230	e413	277	212	236	146	337	113	84
5	121	139	415	e277	e332	261	192	191	127	255	148	73
6	122	371	264	e454	e1430	325	183	166	113	226	400	60
7	130	389	240	e337	e2160	374	180	151	106	210	131	1190
8	e325	249	232	e333	e1720	309	180	141	330	247	111	1330
9	258	198	229	e381	e859	270	183	160	229	199	88	611
10	193	177	602	e360	e509	249	178	255	183	220	75	331
11	170	166	665	e262	e445	241	214	176	151	212	69	199
12	157	156	475	e235	e1230	237	254	156	125	187	614	166
13	153	153	354	e231	e1260	229	753	210	171	229	332	144
14	150	141	494	e251	e1060	226	956	435	360	226	222	127
15	140	140	450	e305	e1030	218	936	337	178	169	136	111
16	129	139	402	e311	e1230	236	518	206	274	132	103	e1130
17	127	237	458	e247	e932	240	322	188	217	116	86	e3640
18	131	288	452	e290	e624	225	268	265	196	132	78	e3930
19	131	e2230	e404	e285	e482	216	238	321	166	135	74	e2490
20	127	e2450	325	e306	e416	213	220	198	133	117	71	e562
21	123	e1570	272	e245	e382	215	207	176	143	104	152	e278
22	117	e481	247	e217	e350	206	195	166	231	94	89	e225
23	111	e315	250	e204	e328	200	184	232	167	82	68	e198
24	107	e350	488	e198	e321	200	176	290	193	76	58	e180
25	105	440	e395	e1090	298	195	167	190	190	95	214	e161
26	e277	299	e315	e2190	353	193	228	154	251	1160	368	e148
27	e255	361	e276	e1350	429	190	308	128	383	418	136	e326
28	238	813	e258	e835	378	190	263	114	984	316	89	e646
29	187	579	245	e443	325	188	202	110	695	231	354	e300
30	158	437	311	e405	---	335	176	123	441	183	217	e220
31	144	---	e272	e323	---	351	---	224	---	156	132	---
TOTAL	4868	13808	11330	13321	20453	7672	8867	6452	7493	7939	5197	19184
MEAN	157	460	365	430	705	247	296	208	250	256	168	639
MAX	325	2450	665	2190	2160	374	956	435	984	1160	614	3930
MIN	105	133	229	198	297	188	167	110	106	76	58	60
CFSM	0.60	1.76	1.39	1.64	2.69	0.94	1.13	0.79	0.95	0.98	0.64	2.44
IN.	0.69	1.96	1.61	1.89	2.90	1.09	1.26	0.92	1.06	1.13	0.74	2.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	82.5	252	244	430	705	247	296	134	159	256	96.9	639
MAX	157	460	365	430	705	247	296	208	250	256	168	639
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004
MIN	33.7	43.7	122	430	705	247	296	60.3	68.4	256	26.2	639
(WY)	2002	2002	2000	2004	2004	2004	2004	2000	2002	2004	2002	2004

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	126584			
ANNUAL MEAN	346		346	
HIGHEST ANNUAL MEAN			346	2004
LOWEST ANNUAL MEAN			346	2004
HIGHEST DAILY MEAN	e 3930	Sep 18	e 3930	Sep 18 2004
LOWEST DAILY MEAN	58	Aug 24	1.7	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	84	Aug 18	5.8	Sep 7 2002
MAXIMUM PEAK STAGE	a 22.80	Sep 17	a 22.80	Sep 17 2004
ANNUAL RUNOFF (CFSM)	1.32		1.32	
ANNUAL RUNOFF (INCHES)	17.97		17.94	
10 PERCENT EXCEEDS	611		611	
50 PERCENT EXCEEDS	231		231	
90 PERCENT EXCEEDS	118		118	

e Estimated
a Backwater from Chattahoochee River

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337040 SWEETWATER CREEK BELOW AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334315 LONGITUDE 0843654 NAD27 DRAINAGE AREA 262* CONTRIBUTING DRAINAGE AREA DATUM 740 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.82	1.92	3.02	---	2.90	2.89	2.84	2.10	2.57	3.66	2.13	1.64
2	1.80	1.91	2.87	---	2.86	2.75	2.60	2.86	2.25	5.12	1.99	1.70
3	1.81	1.89	2.94	---	4.41	2.80	2.44	2.79	2.04	4.43	1.85	1.67
4	1.80	1.89	4.71	---	3.56	2.74	2.34	2.49	1.92	3.11	1.71	1.50
5	1.81	1.93	3.56	---	3.08	2.64	2.22	2.21	1.80	2.60	1.91	1.42
6	1.81	2.97	2.66	3.79	5.93	3.03	2.16	2.05	1.71	2.43	3.45	1.33
7	1.87	3.07	2.51	3.10	---	3.32	2.15	1.96	1.66	2.33	1.83	7.85
8	3.54	2.51	2.47	3.08	---	2.94	2.15	1.89	3.06	2.56	1.69	8.73
9	2.55	2.26	2.44	3.37	---	2.70	2.16	2.01	2.44	2.26	1.53	4.72
10	2.24	2.15	4.64	3.24	---	2.57	2.13	2.61	2.16	2.39	1.44	3.07
11	2.11	2.09	5.03	2.65	---	2.52	2.36	2.12	1.96	2.35	1.35	2.26
12	2.04	2.03	3.92	2.48	---	2.50	2.60	1.99	1.79	2.19	4.67	2.05
13	2.02	2.01	3.21	2.46	---	2.45	5.53	2.33	2.08	2.45	3.07	1.91
14	2.00	1.94	4.03	2.58	---	2.43	6.70	3.68	3.23	2.43	2.40	1.80
15	1.93	1.94	3.73	2.92	---	2.38	6.59	3.10	2.12	2.07	1.86	1.70
16	1.86	1.93	3.49	2.95	---	2.49	4.17	2.31	2.71	1.83	1.64	5.52
17	1.81	2.42	3.82	2.56	---	2.51	3.02	2.19	2.38	1.72	1.52	21.65
18	1.88	2.67	3.78	2.83	---	2.42	2.69	2.67	2.25	1.83	1.46	16.24
19	1.87	12.62	---	2.79	---	2.37	2.50	3.01	2.06	1.85	1.43	7.87
20	1.85	---	3.03	2.92	---	2.35	2.39	2.26	1.84	1.73	1.40	3.89
21	1.83	---	2.72	2.55	---	2.36	2.32	2.12	1.90	1.65	1.96	6.36
22	1.79	---	2.55	2.37	---	2.30	2.24	2.05	2.46	1.57	1.54	6.90
23	1.74	---	2.57	2.30	---	2.27	2.17	2.46	2.06	1.48	1.38	6.78
24	1.71	---	3.99	2.26	---	2.27	2.12	2.82	2.22	1.44	1.31	6.81
25	1.69	3.71	---	6.45	2.88	2.24	2.06	2.21	2.20	1.57	2.28	5.84
26	3.59	2.88	---	8.96	3.20	2.23	2.44	1.98	2.58	7.78	3.28	2.98
27	3.84	3.24	---	6.26	3.65	2.21	2.93	1.81	3.35	3.58	1.86	7.11
28	2.46	5.88	---	4.88	3.35	2.21	2.66	1.71	6.84	2.98	1.54	16.41
29	2.20	4.53	2.54	3.73	3.04	2.19	2.28	1.69	5.21	2.46	3.20	8.42
30	2.04	3.69	2.91	3.50	---	3.08	2.12	1.77	3.71	2.16	2.37	6.51
31	1.96	---	---	3.02	---	3.19	---	2.41	---	1.99	1.83	---
MEAN	2.11	---	---	---	---	2.56	2.84	2.31	2.55	2.58	2.03	5.75
MAX	3.84	---	---	---	---	3.32	6.70	3.68	6.84	7.78	4.67	21.65
MIN	1.69	---	---	---	---	2.19	2.06	1.69	1.66	1.44	1.31	1.33

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337040 SWEETWATER CREEK BELOW AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334315 LONGITUDE 0843654 NAD27 DRAINAGE AREA 262* CONTRIBUTING DRAINAGE AREA DATUM 740 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.13	0.00	0.04
2	0.00	0.00	0.00	0.00	0.54	0.04	0.00	0.25	0.00	0.04	0.11	0.29
3	0.00	0.00	0.05	0.00	0.13	0.00	0.00	0.00	0.00	0.07	0.00	0.01
4	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
5	0.00	0.22	0.02	0.87	0.00	0.00	0.00	0.00	0.00	0.09	0.92	0.00
6	0.08	0.18	0.00	0.00	1.14	0.45	0.00	0.00	0.01	0.02	0.00	0.14
7	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.27	0.00	3.28
8	0.67	0.00	0.00	0.03	---	0.00	0.20	0.00	0.00	0.00	0.00	0.01
9	0.00	0.00	0.00	0.22	---	0.01	0.00	1.20	0.07	1.17	0.00	0.00
10	0.00	0.00	1.23	0.00	---	0.00	0.00	0.00	0.00	0.18	0.05	0.00
11	0.00	0.00	0.00	0.00	---	0.00	0.27	0.00	0.00	0.00	---	0.00
12	0.00	0.00	0.00	0.00	0.93	0.00	0.64	0.64	0.00	0.59	1.21	0.05
13	0.00	0.00	0.45	0.00	0.00	0.00	0.42	0.02	0.41	0.01	0.00	0.00
14	0.04	0.00	0.15	0.00	0.45	0.00	0.00	0.02	0.02	0.01	0.00	0.00
15	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.48	0.00	0.00	0.00
16	0.00	0.01	0.20	0.00	0.00	0.16	0.00	0.00	0.35	0.00	0.00	4.06
17	---	0.10	0.12	0.32	0.00	0.00	0.00	0.08	0.00	0.16	0.00	0.15
18	0.00	1.22	0.00	0.09	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
19	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00
21	0.00	0.00	0.00	0.00	0.02	0.05	0.00	0.00	0.28	0.00	0.04	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.44	0.00	0.00	0.00
23	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00
24	0.00	0.29	0.00	0.02	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	0.00	2.48	0.36	0.00	0.00	0.00	0.02	1.88	0.70	0.00
26	2.41	0.00	0.00	0.02	0.54	0.00	0.77	0.00	0.02	0.05	0.00	0.00
27	0.00	1.15	0.00	0.00	0.01	0.00	0.00	0.00	2.31	0.10	0.00	2.39
28	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.33	0.15	0.01	0.52	0.00
29	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.04	0.01	0.03	0.20	0.00
30	0.00	0.00	0.22	0.00	---	0.96	0.06	0.00	0.96	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.15	---	0.79	---	0.05	0.00	---
TOTAL	---	4.36	3.48	4.05	---	1.82	2.36	4.64	6.31	4.88	---	10.42

2004 Water Year

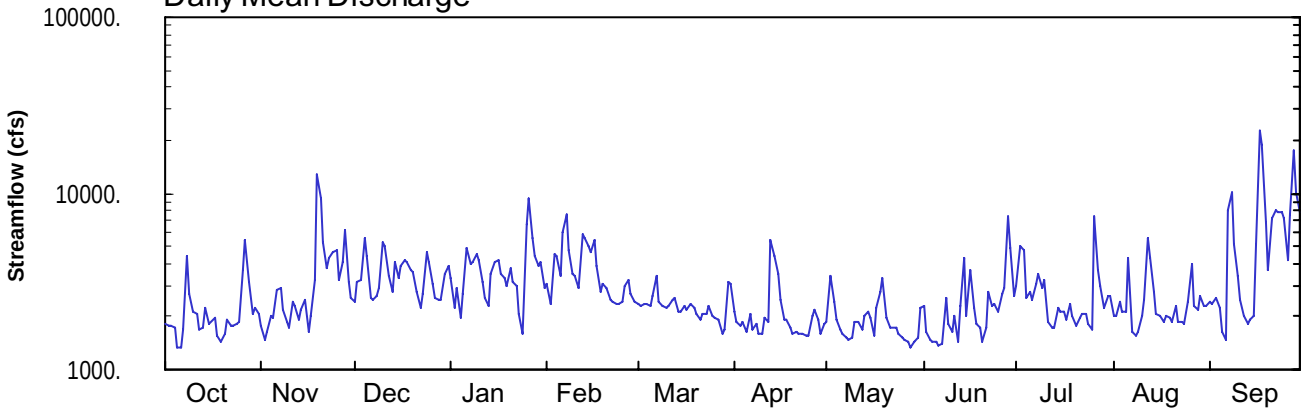
APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA

Latitude: 33°39'24" Longitude: 084°40'25" Hydrologic Unit Code: 03130002

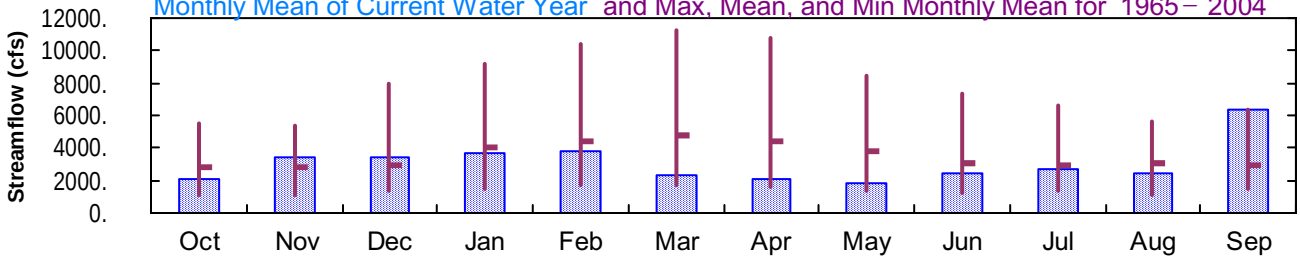
Fulton County Datum: 719.07 feet Drainage Area: 2060. mi²

Daily Mean Discharge

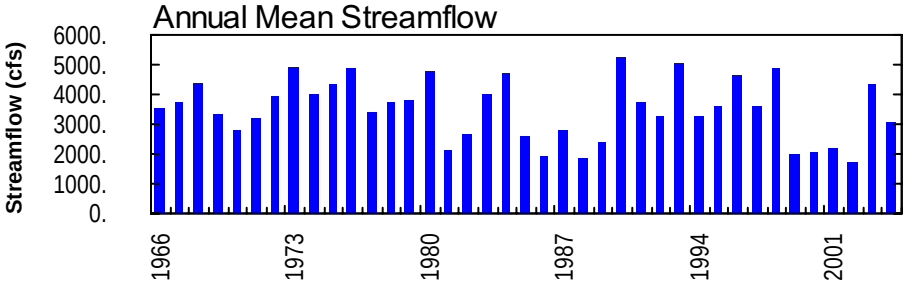


Monthly Statistics

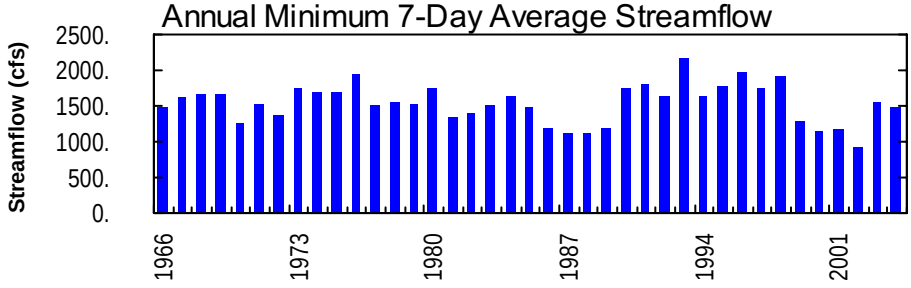
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1965 – 2004



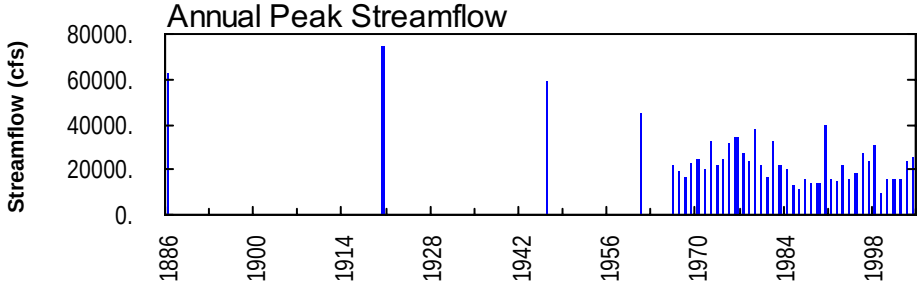
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA

LOCATION.—Lat 33°39'24", long 84°40'25", referenced to North American Datum (NAD) of 1983, Fulton-Douglas County line, Hydrologic Unit 03130002, on GA 74 and 92, 1.4 miles downstream from Deep Creek, 8.5 miles northwest of Fairburn, and at mile 281.8.

DRAINAGE AREA.—2,060 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1965 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 719.07 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records good, except periods of estimated record, which are poor. Considerable diurnal fluctuation caused by operation of the Morgan Falls hydroelectric plant.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1965 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 719.07 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.22 feet, September 17; minimum gage-height recorded, 0.31 feet, June 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 21, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060* DATUM 719.07 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1820	1780	2390	3290	e3040	2360	2120	1860	2280	2960	2010	2400
2	1790	e1480	3180	2260	e2370	2290	1880	3380	1630	4990	2000	2390
3	1790	e1650	3250	2880	e4500	2360	1780	2450	1490	4710	2420	2520
4	1710	2010	5570	1990	e4410	2340	1850	1900	1450	2550	2120	2220
5	1350	e1990	4450	2690	3390	2280	1630	1670	1430	2770	2140	1660
6	1330	e2810	2570	4910	6020	e2600	2080	1580	1380	2480	4260	1490
7	1680	e2900	2460	3940	7590	e3420	1690	1520	1390	3080	1630	7960
8	4380	2160	2610	4120	4800	2420	1810	1480	2530	3520	1570	10000
9	2660	1870	2900	4500	3500	2300	1600	1520	1800	2900	1650	5200
10	2150	1730	5320	4200	3390	2240	1610	1850	1640	3210	2020	3400
11	2060	2420	5030	3100	2930	2330	1970	1840	2000	1860	2460	2510
12	1700	2280	3400	2580	5890	2490	1860	1680	1450	1750	5620	2000
13	1730	1900	2740	2280	5590	2570	5410	2010	2320	1730	4250	1840
14	2230	2170	4100	3460	5070	2140	4370	2130	4340	2230	2730	1900
15	1830	2510	3270	4050	4650	2150	3520	1950	2010	2110	2080	2010
16	1840	1640	3890	4190	5420	2300	2470	1560	3720	2140	2020	5180
17	1960	2030	4200	3500	3900	2200	1940	2230	2260	1900	1870	22600
18	1570	3250	4080	3350	2780	2340	1930	2780	1810	2380	2040	19000
19	1440	12600	3630	2970	3080	2260	1710	3350	1730	2020	1970	6930
20	1620	9490	3600	3810	2880	2100	1620	1970	1450	1760	1880	3680
21	1890	5240	2740	3170	2510	1890	1630	1720	1750	1960	2280	7260
22	1750	3790	2240	2990	2430	2060	1600	1720	2790	2090	1880	7990
23	1780	4290	2670	2100	2380	2080	1580	1720	2300	2060	1880	7860
24	1800	4650	4630	1600	2370	2270	1570	1590	2370	1800	1810	7900
25	1870	4770	4020	6660	2420	2030	1560	1530	2140	e1700	2420	7170
26	3700	3240	3060	9400	e3000	1950	2020	1470	2710	e7330	4020	4200
27	5410	4020	2560	5540	3230	1900	2210	1430	2910	3710	2330	7660
28	3100	6130	2510	4400	2670	1590	1920	1350	7370	2990	2170	17400
29	2050	3170	2480	3890	2440	1700	1610	1420	4940	2260	2620	10000
30	2260	2530	3530	4060	---	3110	1820	1530	2640	2590	2310	7780
31	2080	---	3860	2880	---	3050	---	2260	---	2600	2320	---
TOTAL	66330	102500	106940	114760	108650	71120	62370	58450	72030	84140	74780	192110
MEAN	2140	3417	3450	3702	3747	2294	2079	1885	2401	2714	2412	6404
MAX	5410	12600	5570	9400	7590	3420	5410	3380	7370	7330	5620	22600
MIN	1330	1480	2240	1600	2370	1590	1560	1350	1380	1700	1570	1490
CFSM	1.04	1.66	1.67	1.80	1.82	1.11	1.01	0.92	1.17	1.32	1.17	3.11
IN.	1.20	1.85	1.93	2.07	1.96	1.28	1.13	1.06	1.30	1.52	1.35	3.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	2763	2849	2941	4010	4389	4833	4356	3782	3085	2983	3096	2966
MAX	5518	5397	7946	9123	10370	11230	10720	8403	7393	6654	5606	6404
(WY)	1990	1993	1993	1993	1990	1990	1979	2003	1973	2003	1984	2004
MIN	1130	1042	1367	1482	1688	1698	1633	1391	1273	1370	1152	1518
(WY)	2002	2002	1989	1981	2002	1988	1999	2000	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	1571280		1114180			
ANNUAL MEAN	4305		3044		3503	
HIGHEST ANNUAL MEAN					5240	1990
LOWEST ANNUAL MEAN					1707	2002
HIGHEST DAILY MEAN	21200	May 7	22600	Sep 17	36900	Apr 14 1979
LOWEST DAILY MEAN	1330	Oct 6	1330	Oct 6	890	Jun 19 2002
ANNUAL SEVEN-DAY MINIMUM	1640	Oct 1	1470	May 24	919	Aug 7 2002
MAXIMUM PEAK FLOW			25300	Sep 17	39200	Mar 17 1990
MAXIMUM PEAK STAGE			21.22	Sep 17	25.74	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.09		1.48		1.70	
ANNUAL RUNOFF (INCHES)	28.37		20.12		23.11	
10 PERCENT EXCEEDS	7960		5040		6780	
50 PERCENT EXCEEDS	3210		2340		2560	
90 PERCENT EXCEEDS	1860		1620		1470	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060* DATUM 719.07 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.42	1.38	2.01	3.06	---	1.98	1.65	1.29	1.85	2.71	1.50	2.00
2	1.38	---	2.93	1.84	---	1.89	1.32	3.12	0.96	4.78	1.49	2.00
3	1.38	---	2.97	2.58	---	1.98	1.17	2.08	0.75	4.50	2.05	2.17
4	1.29	1.64	5.35	1.47	---	1.96	1.28	1.34	0.70	2.21	1.66	1.78
5	0.80	---	4.19	2.29	3.16	1.87	0.96	1.02	0.67	2.47	1.65	1.00
6	0.78	---	2.24	4.70	5.76	---	1.59	0.89	0.59	2.13	3.97	0.75
7	1.25	---	2.11	3.72	7.35	---	1.05	0.79	0.59	2.83	0.95	7.52
8	4.14	1.82	2.28	3.90	4.59	2.06	1.22	0.74	2.21	3.29	0.87	9.71
9	2.39	1.49	2.63	4.28	3.26	1.89	0.92	0.79	1.21	2.64	0.98	4.98
10	1.81	1.30	5.09	3.98	3.15	1.81	0.94	1.27	0.98	2.97	1.51	3.17
11	1.71	2.12	4.82	2.84	2.65	1.94	1.44	1.26	1.49	1.29	2.11	2.14
12	1.28	1.97	3.17	2.26	5.63	2.15	1.29	1.03	0.70	1.13	5.39	1.48
13	1.31	1.50	2.46	1.81	5.37	2.24	5.16	1.50	1.85	1.10	4.02	1.25
14	1.90	1.83	3.87	3.23	4.86	1.69	4.15	1.66	4.12	1.81	2.45	1.35
15	1.43	2.21	3.04	3.83	4.44	1.70	3.29	1.41	1.48	1.61	1.58	1.50
16	1.45	1.19	3.67	3.98	5.21	1.89	2.10	0.85	3.48	1.68	1.51	4.68
17	1.59	1.64	3.98	3.27	3.68	1.76	1.40	1.79	1.84	1.34	1.30	19.89
18	1.11	3.01	3.86	3.11	2.51	1.95	1.39	2.46	1.21	1.99	1.53	17.41
19	0.93	12.23	3.40	2.72	2.84	1.84	1.08	3.11	1.11	1.52	1.43	6.70
20	1.16	9.21	3.37	3.58	2.63	1.62	0.94	1.43	0.70	1.13	1.31	3.45
21	1.51	5.03	2.44	2.92	2.18	1.34	0.96	1.08	1.09	1.42	1.86	7.03
22	1.34	3.56	1.82	2.75	2.08	1.57	0.92	1.08	2.43	1.60	1.31	7.75
23	1.38	4.08	2.35	1.61	2.01	1.60	0.89	1.09	1.89	1.56	1.31	7.63
24	1.40	4.43	4.42	0.91	1.99	1.85	0.88	0.90	1.99	1.20	1.22	7.67
25	1.48	4.55	3.80	6.35	2.06	1.53	0.86	0.81	1.67	---	1.91	6.94
26	3.39	2.97	2.78	9.12	---	1.42	1.49	0.73	2.42	---	3.79	3.98
27	5.19	3.80	2.21	5.33	2.99	1.34	1.76	0.67	2.49	3.45	1.93	7.41
28	2.85	5.91	2.16	4.18	2.39	0.90	1.37	0.54	7.14	2.68	1.73	16.50
29	1.69	2.92	2.13	3.67	2.09	1.06	0.93	0.65	4.72	1.84	2.30	9.75
30	1.94	2.20	3.29	3.84	---	2.79	1.23	0.81	2.32	2.29	1.90	7.55
31	1.73	---	3.64	2.63	---	2.77	---	1.73	---	2.30	1.92	---
MEAN	1.76	---	3.18	3.41	---	---	1.52	1.29	1.89	---	1.95	5.90
MAX	5.19	---	5.35	9.12	---	---	5.16	3.12	7.14	---	5.39	19.89
MIN	0.78	---	1.82	0.91	---	---	0.86	0.54	0.59	---	0.87	0.75

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060* DATUM 719.07 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	---	0.00	0.00	0.52	0.00	0.08	0.00	0.03
2	0.00	---	0.00	0.00	---	0.00	0.00	0.35	0.00	0.21	0.00	0.06
3	0.00	---	0.03	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.07
4	0.00	---	0.31	0.00	---	0.00	0.00	0.00	0.00	0.05	0.00	0.00
5	0.00	---	0.00	0.84	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00
6	0.13	0.14	0.00	0.01	0.87	---	0.00	0.00	0.00	0.07	0.01	0.11
7	0.16	---	0.00	0.00	0.00	---	0.00	0.00	0.48	1.24	0.00	2.60
8	0.34	0.00	0.00	0.02	0.00	---	0.08	0.00	0.01	0.01	0.00	0.00
9	0.00	0.00	0.00	0.18	0.00	---	0.00	0.62	0.00	0.01	0.00	0.00
10	0.00	0.00	0.89	0.00	0.04	0.00	0.00	0.00	0.00	0.05	0.10	0.00
11	0.00	0.00	0.00	0.00	0.25	0.00	0.25	0.00	0.00	0.01	0.00	0.00
12	0.00	0.00	0.00	0.00	0.65	0.00	0.57	0.04	0.00	0.09	0.88	0.00
13	0.00	0.00	0.42	0.00	0.00	0.00	0.28	0.50	0.59	0.00	0.00	0.00
14	0.09	0.00	0.07	0.00	0.37	0.00	0.01	0.01	0.03	0.03	0.00	0.00
15	0.00	0.00	0.01	0.00	0.24	0.00	0.00	0.00	0.35	0.00	0.00	0.00
16	0.00	0.01	0.18	0.00	0.00	0.07	0.00	0.00	0.10	0.00	0.00	2.80
17	0.11	0.07	0.08	0.28	0.00	0.00	0.00	0.36	0.48	0.27	0.00	0.08
18	0.00	1.09	0.00	0.08	0.00	0.00	0.00	0.52	0.00	0.03	0.00	0.00
19	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.07	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.27	0.00
21	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.52	0.00	0.04	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.63	0.00	0.00	0.00
23	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
24	0.00	0.28	0.00	0.02	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	1.56	0.23	0.00	0.00	0.00	0.01	---	0.08	0.00
26	1.92	0.00	0.00	0.01	---	0.00	0.61	0.00	0.23	---	0.00	0.00
27	0.01	1.06	0.00	0.00	0.01	0.00	0.01	0.00	0.50	0.94	0.00	1.76
28	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.61	0.09	0.05	0.18	0.01
29	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.29	0.07	0.00	0.30	0.00
30	0.00	0.00	0.13	0.00	---	0.94	0.12	0.01	0.96	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.14	---	0.41	---	0.00	0.00	---
TOTAL	2.76	---	2.76	3.00	---	---	1.93	4.48	5.22	---	3.19	7.52

APALACHICOLA RIVER BASIN
2004 Water Year

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA

LOCATION.—Lat 33°39'24", long 84°40'25", referenced to North American Datum (NAD) of 1983, Fulton-Douglas County line, Hydrologic Unit 03130002, on GA 74 and 92, 1.4 miles downstream from Deep Creek, 8.5 miles northwest of Fairburn, and at mile 281.8.

DRAINAGE AREA.—2,060 square miles.

COOPERATION.— Georgia Environmental Protection Division.

PERIOD OF RECORD.—October 1970 to May 1972, March 1974 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: July 1976 to current year.
pH: July 1976 to current year.
WATER TEMPERATURE: August 1975 to current year.
DISSOLVED OXYGEN: July 1976 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 247 microsiemens, November 22, 2001; minimum recorded, 32 microsiemens, September 6, 2004.
pH: Maximum recorded, 8.7 units, July 22, 1984; minimum recorded, 5.5 units, October 26, 1977.
WATER TEMPERATURE: Maximum recorded, 34.0 °C, August 2, 1999; minimum recorded, 2.5 °C, January 12, 1982.
DISSOLVED OXYGEN: Maximum recorded, 14.6 mg/L, January 21, 1987; minimum recorded, 0.1 mg/L, December 6, 2002, July 30, 31, 2003.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 204 microsiemens, May 29; minimum recorded, 32 microsiemens, September 6.
pH: Maximum recorded, 7.7 units, on several days; minimum recorded, 6.4 units, September 17.
WATER TEMPERATURE: Maximum recorded, 29.9 °C, June 20; minimum recorded, 7.1 °C, on several days.
DISSOLVED OXYGEN: Maximum recorded, 12.9 mg/L, January 29; minimum recorded, 5.1 mg/L, June 13.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	160	135	149	153	126	137	136	113	127	109	95	100
2	162	132	144	172	136	160	124	106	111	138	97	121
3	153	139	149	158	141	148	130	99	117	126	102	109
4	155	146	152	157	130	141	106	79	93	148	111	134
5	176	144	159	151	121	138	101	76	85	145	109	129
6	188	157	179	150	105	123	138	101	119	116	86	101
7	176	149	164	127	112	117	127	112	118	98	89	93
8	154	97	122	130	117	124	131	111	118	98	86	91
9	128	99	118	140	129	133	149	110	121	101	85	92
10	157	122	137	156	135	146	116	93	104	103	84	90
11	149	124	137	136	119	126	94	82	88	108	92	98
12	152	131	145	140	111	124	112	94	105	129	98	113
13	167	140	155	154	115	140	119	110	114	142	102	127
14	168	131	143	145	113	130	142	98	117	116	93	103
15	168	127	150	124	106	114	111	100	106	100	82	91
16	156	127	143	156	120	138	109	91	101	90	81	85
17	153	128	139	158	119	142	113	97	105	94	86	90
18	177	130	158	126	111	115	106	86	96	109	91	99
19	166	137	156	113	62	75	101	95	98	123	91	104
20	163	153	156	73	62	68	104	95	98	118	81	96
21	157	140	149	88	73	81	114	98	106	110	91	101
22	171	140	153	106	88	95	146	104	121	109	95	100
23	156	145	150	115	82	93	141	103	122	144	109	120
24	151	142	147	98	84	89	117	90	102	164	144	158
25	157	135	147	100	80	88	95	87	90	167	72	119
26	135	97	123	116	84	97	102	86	94	81	72	76
27	103	89	94	120	88	95	128	91	105	97	81	89
28	118	102	107	104	75	84	134	96	112	106	92	97
29	147	118	134	98	85	93	127	96	113	111	97	104
30	139	126	130	118	98	112	133	95	110	112	95	102
31	140	121	129	---	---	---	111	93	99	116	100	112
MONTH	188	89	143	172	62	116	149	76	107	167	72	105

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	139	130	135	146	117	140	172	152	162
2	---	---	---	---	---	---	154	132	144	172	99	127
3	---	---	---	---	---	---	159	151	155	136	112	119
4	---	---	---	---	---	---	162	143	154	148	134	140
5	122	96	107	147	139	142	172	150	162	166	147	160
6	109	74	98	148	133	140	169	135	150	177	160	172
7	81	72	76	---	---	---	162	152	157	185	168	180
8	91	81	87	133	119	128	170	143	154	191	174	186
9	109	91	101	---	---	---	174	151	168	197	148	189
10	128	106	114	147	135	139	175	163	168	170	137	157
11	119	109	112	150	128	139	177	142	160	192	142	165
12	129	79	102	141	124	134	159	145	152	185	150	173
13	96	79	90	135	114	123	146	88	110	167	152	160
14	109	85	95	150	121	136	94	88	91	171	140	153
15	110	92	99	153	124	139	113	89	95	161	146	153
16	108	87	92	152	123	136	141	113	126	179	161	173
17	110	93	100	152	124	138	152	139	145	178	142	150
18	123	110	119	158	123	136	158	140	148	162	121	131
19	122	116	120	158	114	134	164	147	157	135	96	114
20	122	112	118	156	129	141	169	152	163	158	125	141
21	129	121	126	163	141	154	182	167	175	170	153	161
22	136	128	132	153	138	145	186	175	182	173	162	166
23	139	127	133	159	135	145	181	169	175	186	149	167
24	139	130	136	155	125	137	187	169	178	170	154	161
25	145	135	140	158	127	143	185	171	177	186	168	175
26	---	124	---	168	136	150	179	150	167	194	176	185
27	140	117	127	165	139	149	157	142	146	192	144	181
28	129	125	128	171	148	164	168	144	158	197	102	179
29	145	128	136	166	153	160	177	159	171	204	134	192
30	---	---	---	165	116	145	186	158	171	196	173	182
31	---	---	---	117	110	113	---	---	---	188	120	165
MONTH	---	---	---	---	---	---	187	88	153	204	96	162

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	138	117	128	---	---	---	146	104	133	129	103	119
2	176	138	159	111	89	98	149	129	139	122	107	117
3	194	167	176	101	90	94	138	118	131	125	103	115
4	199	189	194	126	101	116	134	116	126	113	103	108
5	199	150	187	122	109	117	148	113	137	139	112	127
6	---	---	---	---	---	---	---	---	---	135	32	85
7	---	---	---	---	---	---	---	---	---	61	39	44
8	178	127	146	117	96	106	---	---	---	68	57	62
9	169	137	155	121	107	114	---	---	---	83	68	73
10	174	162	168	121	97	108	152	127	142	99	83	90
11	169	142	160	151	112	140	147	115	121	106	98	102
12	190	143	170	155	134	147	123	76	100	126	105	120
13	191	126	167	168	134	153	103	75	82	135	110	123
14	131	73	95	158	122	137	117	103	109	131	121	126
15	151	103	136	164	111	143	130	110	119	133	116	129
16	144	101	112	149	113	136	135	122	128	131	56	107
17	147	126	136	154	129	141	148	134	138	---	---	---
18	155	147	151	164	115	135	140	123	132	---	---	---
19	185	155	170	139	118	130	144	121	132	---	---	---
20	186	164	178	174	122	145	152	114	131	116	---	---
21	189	158	178	156	128	139	132	118	124	110	64	76
22	158	124	133	153	122	136	142	115	127	69	62	66
23	161	134	149	148	122	134	147	131	142	68	62	65
24	153	133	144	149	123	135	158	128	140	68	59	64
25	157	141	150	172	---	---	147	91	134	76	63	66
26	154	126	134	---	---	---	98	82	89	96	76	86
27	143	85	129	105	87	96	117	94	109	96	60	70
28	95	77	88	129	97	109	124	108	118	65	43	49
29	100	86	93	153	119	138	115	96	107	70	59	65
30	---	---	---	139	106	128	120	103	115	71	64	68
31	---	---	---	125	99	113	129	113	123	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.2	7.1	7.2	7.1	7.0	7.0	7.3	7.2	7.3	7.3	7.2	7.2
2	7.2	7.1	7.2	7.1	7.0	7.1	7.3	7.2	7.2	7.3	7.2	7.2
3	7.3	7.2	7.2	---	---	---	7.3	7.2	7.2	7.3	7.2	7.2
4	7.2	7.1	7.2	---	---	---	7.2	7.0	7.2	7.3	7.2	7.3
5	7.2	7.1	7.2	---	---	---	7.2	7.0	7.1	7.3	7.1	7.3
6	7.3	7.2	7.2	7.1	7.0	7.1	7.3	7.2	7.2	7.3	7.1	7.2
7	7.2	7.1	7.2	7.2	7.1	7.2	7.3	7.2	7.3	7.3	7.2	7.2
8	7.2	6.9	6.9	7.2	7.2	7.2	7.3	7.2	7.3	7.3	7.2	7.2
9	7.1	6.9	7.0	7.3	7.2	7.3	7.3	7.2	7.2	7.2	7.2	7.2
10	7.1	7.1	7.1	7.4	7.3	7.3	7.3	7.1	7.2	7.3	7.2	7.2
11	7.1	7.0	7.1	7.3	7.3	7.3	7.2	7.1	7.1	7.3	7.2	7.2
12	7.1	7.1	7.1	7.3	7.2	7.3	7.2	7.2	7.2	7.3	7.2	7.3
13	7.2	7.1	7.1	7.4	7.2	7.3	7.2	7.2	7.2	7.3	7.2	7.3
14	7.2	7.1	7.1	7.3	7.2	7.3	7.2	7.2	7.2	7.3	7.2	7.2
15	7.2	7.1	7.1	7.4	7.2	7.3	7.2	7.2	7.2	7.3	7.2	7.2
16	7.1	7.0	7.1	7.3	7.2	7.3	7.2	7.2	7.2	7.3	7.2	7.2
17	7.1	7.0	7.1	7.3	7.1	7.3	7.2	7.2	7.2	7.3	7.2	7.2
18	7.1	7.0	7.1	7.2	7.1	7.2	7.2	7.2	7.2	7.3	7.2	7.2
19	7.2	7.1	7.1	7.2	6.7	6.8	7.3	7.2	7.2	7.3	7.2	7.3
20	7.2	7.2	7.2	6.9	6.7	6.8	7.3	7.2	7.2	7.3	7.2	7.3
21	7.2	7.1	7.2	7.0	6.8	6.9	7.3	7.2	7.2	7.3	7.2	7.2
22	7.2	7.1	7.1	7.1	7.0	7.0	7.3	7.2	7.3	7.3	7.2	7.3
23	7.2	7.1	7.2	7.2	7.0	7.1	7.3	7.2	7.3	7.3	7.2	7.3
24	7.2	7.1	7.2	7.1	7.1	7.1	7.3	7.1	7.2	7.3	7.2	7.2
25	7.2	7.1	7.2	7.1	7.1	7.1	7.2	7.2	7.2	7.3	6.9	7.2
26	7.1	6.7	7.0	7.2	7.1	7.1	7.3	7.2	7.2	7.0	7.0	7.0
27	6.8	6.7	6.7	7.2	7.1	7.2	7.2	7.2	7.2	7.1	7.0	7.1
28	6.9	6.8	6.9	7.1	7.0	7.1	7.3	7.2	7.2	7.2	7.1	7.1
29	7.0	6.9	7.0	7.2	7.1	7.2	7.3	7.2	7.3	7.2	7.2	7.2
30	7.0	7.0	7.0	7.3	7.2	7.2	7.3	7.2	7.2	7.2	7.2	7.2
31	7.1	7.0	7.0	---	---	---	7.3	7.2	7.2	7.2	7.2	7.2
MAX	7.3	7.2	7.2	---	---	---	7.3	7.2	7.3	7.3	7.2	7.3
MIN	6.8	6.7	6.7	---	---	---	7.2	7.0	7.1	7.0	6.9	7.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	7.4	7.3	7.3	7.2	7.2	7.2	7.2	7.2	7.2
2	---	---	---	---	---	---	7.3	7.2	7.2	7.2	6.9	7.0
3	---	---	---	---	---	---	7.4	7.2	7.3	7.1	7.0	7.1
4	---	---	---	---	---	---	7.4	7.2	7.3	7.2	7.1	7.2
5	7.2	7.2	7.2	7.3	7.2	7.3	7.4	7.3	7.3	7.4	7.1	7.3
6	7.2	7.0	7.2	7.3	7.2	7.3	7.5	7.3	7.3	7.4	7.3	7.4
7	7.1	7.0	7.1	7.3	7.2	7.2	7.4	7.3	7.3	7.4	7.3	7.3
8	7.1	7.1	7.1	7.4	7.3	7.3	7.4	7.2	7.3	7.4	7.3	7.3
9	7.2	7.1	7.2	---	---	---	7.3	7.2	7.2	7.4	7.1	7.3
10	7.3	7.2	7.2	7.4	7.4	7.4	7.3	7.2	7.3	7.3	7.1	7.2
11	7.2	7.2	7.2	7.5	7.4	7.4	7.3	7.2	7.3	7.2	7.1	7.2
12	7.2	6.9	7.1	7.5	7.4	7.4	7.2	7.1	7.1	7.2	7.0	7.2
13	7.2	7.1	7.1	7.4	7.4	7.4	7.1	6.9	6.9	7.2	7.1	7.2
14	7.2	7.1	7.1	7.6	7.3	7.4	7.0	6.9	7.0	7.2	7.1	7.2
15	7.2	7.1	7.1	7.5	7.3	7.4	7.0	6.9	6.9	7.2	7.2	7.2
16	7.2	7.1	7.2	7.4	7.3	7.3	7.1	7.0	7.0	7.3	7.2	7.2
17	7.2	7.2	7.2	7.5	7.3	7.4	7.1	7.0	7.1	7.2	7.0	7.0
18	7.2	7.2	7.2	7.5	7.3	7.4	7.1	7.1	7.1	7.1	6.9	7.0
19	7.3	7.2	7.3	7.5	7.3	7.4	7.2	7.1	7.2	7.1	6.9	7.0
20	7.3	7.2	7.3	7.6	7.3	7.4	7.2	7.1	7.2	7.1	7.0	7.1
21	7.3	7.2	7.2	7.7	7.3	7.4	7.2	7.2	7.2	7.1	7.0	7.0
22	7.3	7.1	7.2	7.7	7.5	7.5	7.3	7.2	7.2	7.1	7.0	7.1
23	7.3	7.2	7.3	7.7	7.5	7.5	7.3	7.2	7.2	7.1	7.1	7.1
24	7.3	7.2	7.3	7.6	7.5	7.5	7.3	7.2	7.2	7.1	7.1	7.1
25	7.3	7.3	7.3	7.7	7.3	7.5	7.3	7.2	7.2	7.1	7.0	7.1
26	7.3	7.2	7.3	7.7	7.2	7.5	7.2	7.1	7.2	7.2	7.1	7.1
27	7.3	7.3	7.3	7.7	7.3	7.4	7.1	7.0	7.1	7.2	7.1	7.2
28	7.3	7.3	7.3	7.6	7.2	7.4	7.2	7.1	7.2	7.2	7.2	7.2
29	7.3	7.3	7.3	7.5	7.3	7.4	7.2	7.1	7.2	7.2	7.1	7.2
30	---	---	---	7.4	6.9	7.2	7.2	7.2	7.2	7.1	7.0	7.1
31	---	---	---	7.2	7.0	7.2	---	---	---	7.1	6.8	7.1
MAX	---	---	---	---	---	---	7.5	7.3	7.3	7.4	7.3	7.4
MIN	---	---	---	---	---	---	7.0	6.9	6.9	7.1	6.8	7.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.0	6.8	6.9	---	---	---	7.1	7.0	7.1	7.2	7.1	7.2
2	7.1	7.0	7.0	7.0	6.8	6.9	7.2	7.1	7.1	7.2	7.1	7.1
3	7.1	7.0	7.1	6.9	6.8	6.9	7.3	7.1	7.1	7.2	7.1	7.2
4	7.1	7.0	7.1	7.0	6.9	7.0	7.2	7.1	7.1	7.2	7.1	7.2
5	7.2	7.1	7.1	7.0	6.9	7.0	7.2	7.1	7.2	7.3	7.1	7.2
6	7.2	7.1	7.1	---	---	---	7.1	6.7	6.8	7.2	7.2	7.2
7	7.3	6.9	7.2	---	---	---	---	---	---	7.2	6.7	6.8
8	7.2	6.9	7.0	7.0	6.9	6.9	---	---	---	6.9	6.7	6.8
9	7.3	7.2	7.3	7.0	6.9	7.0	---	---	---	6.9	6.8	6.9
10	7.3	7.0	7.2	7.0	6.9	7.0	7.3	7.2	7.3	7.0	6.9	6.9
11	7.3	7.0	7.2	7.0	6.9	7.0	7.3	7.2	7.2	7.1	7.0	7.0
12	7.3	7.2	7.2	7.3	6.9	7.0	7.3	6.9	7.0	7.2	7.1	7.1
13	7.2	6.9	7.0	7.3	7.2	7.2	7.1	6.9	7.0	7.2	7.1	7.2
14	7.1	6.7	6.8	7.3	7.2	7.3	7.1	7.1	7.1	7.2	7.2	7.2
15	7.2	6.9	7.1	7.3	7.2	7.3	7.2	7.1	7.1	7.3	7.2	7.2
16	7.1	6.9	7.0	7.3	7.2	7.2	7.2	7.1	7.1	7.3	6.7	7.2
17	7.1	6.8	7.1	7.2	7.1	7.2	7.2	7.1	7.2	6.8	6.4	6.5
18	7.2	7.1	7.1	7.3	7.1	7.2	7.3	7.2	7.2	---	---	---
19	7.2	7.2	7.2	7.2	7.1	7.2	7.3	7.2	7.2	---	---	---
20	7.3	7.0	7.2	7.3	7.2	7.2	7.3	7.2	7.2	---	---	---
21	7.2	7.0	7.2	7.3	7.2	7.3	7.2	7.1	7.2	7.0	6.9	6.9
22	7.0	6.9	7.0	7.3	7.1	7.2	7.2	7.1	7.2	6.9	6.9	6.9
23	7.1	6.9	7.0	7.3	7.2	7.2	7.3	7.1	7.2	6.9	6.8	6.9
24	7.1	7.0	7.0	7.3	7.2	7.3	7.2	7.2	7.2	6.9	6.8	6.9
25	7.2	7.0	7.1	7.2	7.0	7.2	7.3	6.9	7.2	6.9	6.9	6.9
26	7.0	6.9	7.0	---	---	---	7.1	6.9	7.0	7.0	6.9	6.9
27	7.2	6.7	7.1	7.0	6.8	6.9	7.1	7.1	7.1	7.1	6.8	6.9
28	6.9	6.7	6.8	7.0	6.8	6.8	7.2	7.1	7.2	6.8	6.6	6.7
29	6.9	6.9	6.9	7.1	6.9	7.1	7.2	7.0	7.1	6.8	6.6	6.8
30	---	---	---	7.1	7.0	7.1	7.1	6.9	7.0	6.9	6.8	6.8
31	---	---	---	7.2	7.0	7.1	7.2	7.1	7.2	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.8	19.0	19.8	20.0	18.1	19.0	13.1	10.8	11.8	10.8	9.9	10.4
2	20.5	18.8	19.7	20.2	18.1	19.2	12.3	11.2	11.7	12.4	10.3	11.0
3	19.6	18.7	19.1	20.0	18.0	18.9	13.0	11.8	12.6	12.5	11.1	11.6
4	19.9	18.9	19.4	20.5	18.5	19.5	12.7	11.8	12.3	14.8	12.5	13.7
5	21.1	18.7	19.9	20.9	19.0	19.9	12.7	12.1	12.4	15.2	13.5	14.6
6	23.1	20.9	21.9	21.3	20.1	20.6	13.6	11.2	12.4	14.6	11.2	12.8
7	22.7	21.3	22.2	20.4	19.8	20.1	12.2	11.1	11.6	11.2	9.1	10.1
8	21.3	19.1	20.0	20.3	19.0	19.7	12.1	11.3	11.6	9.1	8.4	8.7
9	20.5	19.4	20.1	19.8	18.0	19.0	13.7	11.5	12.3	9.6	8.7	9.0
10	21.7	19.6	20.5	19.0	17.7	18.2	13.3	12.0	12.5	9.6	8.9	9.2
11	20.3	19.4	19.9	18.2	16.1	16.6	12.0	10.8	11.5	9.5	8.6	9.0
12	20.7	19.2	20.0	18.0	16.9	17.4	11.2	10.4	10.7	9.8	9.0	9.4
13	22.0	20.5	21.4	19.1	16.8	18.6	11.2	9.8	10.3	12.2	9.3	10.3
14	23.2	20.5	21.4	16.8	15.4	16.1	10.6	8.7	9.4	11.4	9.7	10.3
15	21.5	18.7	20.3	15.4	14.3	14.6	10.5	8.9	9.7	11.3	10.4	10.8
16	19.8	18.3	19.0	17.1	15.2	15.9	11.6	9.5	10.3	10.5	9.9	10.3
17	19.4	17.2	18.3	18.7	15.4	17.3	12.1	10.8	11.4	11.0	10.1	10.4
18	19.8	17.8	18.4	18.1	16.6	17.1	10.9	10.4	10.6	10.9	10.1	10.4
19	19.4	17.5	18.4	18.4	16.8	17.6	10.9	10.3	10.5	11.4	9.9	10.5
20	20.2	18.3	19.1	16.8	15.7	16.3	10.5	9.7	10.2	10.9	8.9	9.5
21	20.1	19.1	19.5	16.1	15.2	15.5	10.1	9.0	9.7	9.8	8.9	9.4
22	21.3	19.0	20.0	16.0	14.4	15.2	11.7	8.8	9.7	10.0	8.8	9.4
23	20.1	19.1	19.7	16.0	14.5	15.2	10.8	9.3	10.0	10.8	9.3	9.9
24	19.8	18.6	19.3	16.9	15.3	16.0	11.3	10.5	10.9	12.6	10.1	11.2
25	20.0	18.6	19.4	15.5	13.8	14.5	10.5	9.6	10.1	12.5	8.8	10.3
26	19.1	17.7	18.6	15.3	13.8	14.3	9.9	9.0	9.5	8.8	7.5	7.9
27	18.1	17.4	17.8	15.7	13.9	14.3	10.8	9.2	9.9	7.8	7.4	7.6
28	17.6	15.9	16.7	14.2	13.5	13.9	10.5	9.4	9.9	7.9	7.1	7.5
29	18.3	16.6	17.4	13.5	12.3	12.8	11.3	9.7	10.1	8.3	7.1	7.7
30	17.8	16.4	17.2	12.9	11.3	12.1	13.0	10.4	11.3	8.9	7.6	8.3
31	18.4	17.0	17.7	---	---	---	11.3	10.4	10.8	9.8	8.7	9.3
MONTH	23.2	15.9	19.4	21.3	11.3	16.8	13.7	8.7	10.9	15.2	7.1	10.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	12.8	10.2	11.4	15.8	14.9	15.4	20.6	19.0	19.8
2	---	---	---	---	---	---	16.1	13.8	15.0	21.1	19.3	20.2
3	---	---	---	---	---	---	17.3	14.7	16.0	19.5	18.2	18.7
4	---	---	---	---	---	---	17.1	15.5	16.4	19.6	17.3	18.5
5	9.9	8.4	9.1	16.5	15.6	16.0	17.1	15.3	16.3	21.1	18.6	20.0
6	9.1	7.8	8.6	17.4	16.4	16.8	17.5	15.6	16.5	23.3	20.8	22.0
7	8.0	7.4	7.8	16.7	---	---	18.6	16.5	17.5	24.4	22.6	23.4
8	7.7	7.2	7.4	15.6	14.5	15.1	18.8	17.4	17.9	25.9	23.4	24.5
9	8.7	7.1	7.8	---	---	---	21.1	18.7	19.8	26.5	22.9	25.0
10	9.7	8.3	8.9	13.4	12.5	12.9	20.3	18.6	19.6	25.0	22.5	23.8
11	10.3	9.0	9.4	13.0	11.6	12.2	18.9	18.1	18.5	24.9	23.7	24.3
12	10.5	8.3	9.3	12.6	11.6	12.0	19.4	17.9	18.6	25.3	24.1	24.5
13	9.2	8.3	8.7	13.6	11.8	12.4	19.7	15.0	16.9	24.4	23.1	23.6
14	10.1	9.2	9.5	14.5	13.6	14.0	15.0	14.1	14.7	23.8	23.1	23.5
15	10.5	9.7	10.0	15.7	14.3	15.1	16.2	14.1	15.0	23.8	22.2	23.2
16	10.1	9.1	9.4	16.3	15.3	15.9	18.9	15.5	17.0	25.4	23.4	24.2
17	9.9	8.9	9.4	16.1	15.5	15.8	19.9	17.6	18.9	24.8	23.1	24.0
18	10.7	9.1	10	15.7	14.4	14.9	20.9	19.4	20.2	25.4	22.4	23.1
19	9.2	8.2	8.7	15.8	14.4	14.9	22.8	20.4	21.5	23.2	21.7	22.3
20	10.7	9.2	9.8	16.9	15.5	16.2	23.1	21.1	22.1	24.3	22.1	23.0
21	11.7	10.7	11.3	18.1	16.2	17.1	23.2	22.1	22.5	26.2	24.1	25.1
22	11.9	11.2	11.5	16.2	14.6	15.2	23.7	21.8	22.6	26.4	23.7	24.7
23	11.7	11.1	11.4	14.7	13.3	14.0	24.4	22.5	23.3	26.3	23.6	24.8
24	11.5	11.0	11.3	14.3	13.2	13.6	24.6	22.7	23.5	26.6	24.6	25.5
25	11.3	10.6	11.0	15.5	14.3	14.9	24.1	21.7	22.7	27.8	25.8	26.7
26	---	8.4	---	17.4	15.4	16.3	23.7	21.1	23.0	28.3	26.7	27.3
27	8.4	8.2	8.3	18.7	16.8	17.6	21.1	19.6	20.4	28.3	26.6	27.4
28	9.7	8.1	8.8	20.2	17.4	18.7	20.8	20.1	20.5	28.0	26.5	27.3
29	10.7	9.3	10.0	19.6	18.8	19.2	21.9	19.8	20.8	27.4	26.2	26.9
30	---	---	---	19.2	17.4	18.4	20.9	19.7	20.2	27.6	25.8	26.5
31	---	---	---	17.4	15.7	16.5	---	---	---	26.8	23.0	25.9
MONTH	---	---	---	---	---	---	24.6	13.8	19.1	28.3	17.3	23.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.3	22.3	22.8	---	---	---	25.5	22.2	24.2	24.4	21.7	23.6
2	24.6	22.8	23.6	25.1	21.4	23.0	26.7	24.2	25.4	23.2	21.6	22.4
3	25.4	23.5	24.5	23.3	20.8	21.9	26.1	24.3	25.2	23.6	20.4	22.3
4	26.9	24.7	25.9	24.5	22.7	23.5	25.2	23.5	24.2	21.7	19.7	20.5
5	26.8	25.7	26.2	24.9	23.1	24.0	26.8	24.2	25.2	24.3	20.3	22.7
6	26.9	25.4	26.0	---	---	---	24.9	22.8	24.2	24.1	22.6	23.3
7	26.7	24.7	25.9	---	---	---	---	---	---	23.1	22.0	22.6
8	26.2	23.6	24.5	22.2	19.5	21.1	---	---	---	22.4	21.7	22.0
9	25.9	23.8	24.6	22.3	20.7	21.6	---	---	---	23.9	22.4	23.0
10	27.6	24.4	26.1	22.3	22.4	20.2	25.8	22.4	24.0	25.4	23.7	24.4
11	27.4	25.4	26.3	26.2	20.7	23.9	23.3	19.8	20.8	24.7	22.0	22.8
12	29.5	25.3	27.3	27.2	24.4	25.7	22.2	19.6	20.7	24.4	22.2	23.5
13	29.4	25.5	27.6	29.0	25.2	27.0	22.1	19.0	20.2	24.2	22.4	23.3
14	25.5	23.5	24.6	28.8	26.0	27.0	23.2	21.8	22.3	23.7	22.5	22.9
15	26.9	25.3	26.1	29.1	23.8	26.5	24.1	22.4	23.1	23.3	20.8	22.5
16	26.9	24.4	25.1	26.2	23.8	24.9	25.2	22.7	23.6	22.2	20.7	21.6
17	27.8	25.2	26.1	25.8	24.5	25.2	26.2	23.7	24.9	---	---	---
18	29.0	26.8	27.9	24.9	23.7	24.4	25.4	23.3	24.3	---	---	---
19	29.7	28.4	29.0	27.2	24.8	26.0	25.6	22.9	24.1	---	---	---
20	29.9	27.6	28.8	28.5	24.7	26.4	26.1	22.7	24.0	---	---	---
21	29.2	27.6	28.5	27.3	24.6	25.6	24.8	23.2	23.8	21.8	14.5	16.2
22	28.0	25.3	26.2	25.8	23.5	24.5	24.8	23.1	23.9	15.2	14.2	14.8
23	27.5	25.4	26.2	26.2	23.2	24.4	25.7	24.1	24.8	15.1	14.0	14.7
24	26.2	25.4	25.6	26.5	23.8	25.1	26.7	23.3	25.1	15.2	14.1	14.9
25	26.7	25.5	25.9	---	---	---	25.9	23.1	24.2	16.0	14.6	15.2
26	25.6	24.1	24.9	---	---	---	23.8	21.8	22.5	18.3	15.9	16.8
27	25.4	24.0	24.7	25.7	23.2	24.6	24.9	22.0	23.4	18.8	14.8	16.2
28	24.8	22.9	23.7	26.6	25.2	26.0	24.9	22.9	24.1	20.2	18.8	19.6
29	24.5	22.8	23.4	28.2	26.3	27.1	24.6	22.8	23.9	20.4	17.3	18.7
30	---	---	---	26.3	23.5	25.2	26.7	24.2	25.2	17.3	15.5	16.1
31	---	---	---	23.6	22.1	23.0	25.8	23.4	24.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.5	8.1	8.3	9.0	8.5	8.8	10.7	10.2	10.5	11.8	11.6	11.7
2	8.5	8.1	8.3	8.8	8.3	8.6	10.7	10.2	10.5	11.8	11.1	11.5
3	8.7	8.3	8.5	8.9	8.5	8.8	10.4	10.1	10.2	11.5	10.9	11.3
4	8.7	8.3	8.5	8.8	8.3	8.6	10.2	9.8	10.0	10.9	10.2	10.5
5	8.6	8.1	8.4	8.6	8.0	8.4	10.1	9.9	10.1	10.5	9.7	10.1
6	8.1	7.6	7.9	8.0	7.1	7.6	10.7	9.9	10.2	10.7	9.7	10.2
7	7.9	7.7	7.8	8.2	7.9	8.1	10.7	10.5	10.6	11.7	10.7	11.3
8	8.2	7.4	7.8	8.5	8.1	8.4	10.8	10.4	10.7	11.9	11.7	11.9
9	8.1	7.8	8.0	9.0	8.4	8.7	10.7	10.1	10.5	11.9	11.6	11.7
10	8.3	7.8	8.0	9.3	8.8	9.1	10.6	9.9	10.2	11.8	11.6	11.7
11	8.3	8.1	8.2	9.7	9.2	9.6	10.8	10.0	10.4	12.2	11.8	12.0
12	8.3	8.0	8.2	9.5	9.1	9.4	11.3	10.6	11.0	12.1	11.9	12.0
13	8.1	7.7	7.9	9.5	8.9	9.0	11.4	10.6	11.2	12.0	11.3	11.8
14	8.1	7.7	7.9	10.0	9.5	9.7	11.6	11.1	11.4	12.0	11.5	11.8
15	8.5	7.7	8.0	10.5	10.0	10.3	11.6	11.3	11.5	11.6	11.2	11.4
16	8.9	8.3	8.6	10.1	9.8	9.9	11.7	11.0	11.4	11.7	11.4	11.5
17	9.0	8.5	8.8	10.0	8.6	9.5	11.1	10.7	10.8	11.7	11.3	11.5
18	8.9	8.6	8.7	9.3	8.9	9.2	11.6	10.9	11.2	11.5	11.0	11.3
19	8.9	8.6	8.8	9.1	8.0	8.5	11.7	11.1	11.2	11.4	10.9	11.2
20	8.9	8.5	8.8	8.8	8.6	8.7	11.6	11.2	11.4	12.0	11.2	11.7
21	8.9	8.5	8.7	8.9	8.7	8.8	12.0	11.6	11.8	12.3	11.8	11.9
22	8.6	8.1	8.4	9.1	8.8	9.0	12.1	11.4	11.8	12.3	11.8	12.0
23	8.7	8.2	8.5	9.3	8.8	9.0	12.0	11.5	11.7	12.1	11.3	11.8
24	8.9	8.4	8.7	8.9	8.7	8.8	11.5	10.9	11.1	11.4	10.9	11.2
25	8.9	8.5	8.7	9.4	8.7	9.1	11.8	11.1	11.4	12.1	10.9	11.6
26	8.9	7.3	8.4	9.5	9.2	9.3	12.0	11.7	11.9	12.4	11.9	12.3
27	8.1	7.3	7.8	9.8	9.3	9.4	12.1	11.6	11.8	12.6	12.4	12.5
28	8.9	8.1	8.5	9.5	9.2	9.3	12.1	11.6	11.8	12.7	12.6	12.6
29	9.1	8.5	8.7	10.2	9.5	9.9	12.0	11.3	11.8	12.9	12.6	12.8
30	9.4	8.6	9.1	10.6	10.2	10.4	11.6	10.9	11.2	12.7	12.2	12.4
31	9.3	8.7	9.1	---	---	---	11.6	11.2	11.5	12.3	11.8	12.0
MONTH	9.4	7.3	8.4	10.6	7.1	9.1	12.1	9.8	11.1	12.9	9.7	11.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	12.2	11.2	11.8	10.4	9.6	10.0	9.0	8.6	8.9
2	---	---	---	---	---	---	10.7	10.2	10.5	8.6	6.9	7.9
3	---	---	---	---	---	---	10.8	9.9	10.4	9.1	8.2	8.8
4	---	---	---	---	---	---	10.5	9.9	10.2	9.4	8.8	9.2
5	12.3	11.8	12.1	10.5	10.1	10.3	10.8	9.9	10.3	8.9	9.8	8.5
6	12.2	11.6	12.1	10.1	9.5	9.9	10.8	10.0	10.4	7.9	7.4	7.7
7	12.3	12.1	12.2	10.1	9.5	9.9	10.4	9.9	10.1	7.7	7.1	7.4
8	12.7	12.3	12.5	10.6	10.1	10.4	10.1	9.3	9.8	7.5	7.1	7.3
9	12.8	12.2	12.6	10.9	---	---	9.8	9.0	9.3	7.4	7.0	7.2
10	12.2	11.9	12.1	11.3	10.9	11.1	9.7	9.0	9.3	7.4	6.9	7.2
11	12.0	11.5	11.9	11.8	11.2	11.5	9.6	9.1	9.4	7.4	6.8	7.2
12	12.2	11.4	11.8	11.7	11.3	11.5	9.2	8.5	8.9	7.4	6.6	7.1
13	12.2	12.0	12.2	11.5	11.1	11.3	9.6	8.3	8.8	7.4	7.2	7.3
14	12.0	11.7	11.9	11.3	10.7	11.0	10.7	9.6	10.4	7.8	7.0	7.4
15	11.8	11.6	11.7	11.0	10.4	10.7	11.0	10.4	10.8	8.0	7.4	7.8
16	12.1	11.7	12.0	10.4	9.6	10.1	10.6	9.7	10.2	7.8	7.3	7.5
17	12.3	12.0	12.1	10.5	9.8	10.1	10.2	9.3	9.8	7.5	6.3	6.8
18	12.2	11.8	11.9	10.3	10.0	10.2	9.7	9.2	9.4	7.5	6.8	7.1
19	12.5	12.1	12.3	10.8	10.0	10.3	9.3	8.8	9.1	7.9	7.3	7.6
20	12.1	11.5	11.9	10.3	9.8	10.1	9.1	8.5	8.8	8.0	7.5	7.7
21	11.5	11.2	11.4	10.0	9.5	9.7	8.8	8.3	8.6	7.5	6.9	7.3
22	11.5	10.9	11.3	10.2	8.2	9.7	9.1	8.4	8.7	7.6	7.1	7.4
23	11.6	11.2	11.4	10.5	7.7	9.8	8.9	8.3	8.5	7.5	7.2	7.3
24	11.4	11.2	11.3	10.5	10.1	10.3	8.8	7.4	8.5	7.4	6.9	7.2
25	11.5	11.2	11.4	---	---	---	9.3	8.6	9.0	7.3	6.8	7.1
26	12.1	11.3	11.8	---	---	---	8.6	7.6	8.2	7.4	6.8	7.0
27	12.4	12.1	12.3	11.0	10.1	10.6	8.4	7.8	8.1	7.3	6.3	7.0
28	12.7	12.1	12.4	10.4	9.7	10.0	9.2	8.3	8.8	7.0	5.2	6.6
29	12.5	11.9	12.2	10.0	9.4	9.7	8.8	8.6	8.7	7.1	5.4	6.8
30	---	---	---	9.5	7.7	8.9	8.9	8.6	8.7	7.3	6.9	7.1
31	---	---	---	10.0	8.7	9.4	---	---	---	6.9	6.2	6.7
MONTH	---	---	---	---	---	---	11.0	7.4	9.4	9.4	5.2	7.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.6	6.5	7.2	---	---	---	8.2	7.1	7.6	8.2	7.3	7.7
2	7.7	7.4	7.6	8.0	7.1	7.6	7.9	7.3	7.7	8.3	7.2	7.6
3	7.5	5.2	7.2	8.2	7.4	7.9	7.8	7.0	7.4	8.7	7.2	8.0
4	7.5	6.9	7.1	8.0	7.4	7.8	8.0	7.8	8.0	8.8	8.4	8.6
5	7.5	6.9	7.1	8.1	7.2	7.6	7.8	6.4	7.6	8.7	7.5	8.0
6	7.6	6.9	7.2	---	---	---	7.9	6.0	6.6	7.9	7.0	7.6
7	7.4	6.9	7.1	---	---	---	10.5	6.6	8.6	7.6	6.7	7.1
8	7.4	6.6	7.0	9.0	8.0	8.5	10.7	6.8	8.6	7.5	7.0	7.3
9	7.8	7.2	7.6	8.8	8.2	8.5	10.6	7.4	8.8	7.3	7.2	7.2
10	7.3	6.9	7.2	9.3	8.1	8.8	8.0	7.5	7.9	7.2	7.0	7.1
11	7.3	6.9	7.2	8.7	7.5	7.9	8.9	7.9	8.6	7.8	7.1	7.6
12	7.1	6.6	6.9	7.7	6.7	7.4	9.2	7.1	8.3	7.8	6.1	7.4
13	6.8	5.1	6.2	7.3	6.6	7.1	8.4	7.8	8.1	7.8	6.7	7.5
14	6.8	5.9	6.4	7.5	6.6	7.2	8.0	7.6	7.8	8.1	7.6	7.9
15	6.7	6.5	6.6	7.9	7.1	7.3	8.1	7.5	7.7	8.5	6.9	7.9
16	7.0	6.1	6.6	7.9	7.2	7.7	8.3	7.4	7.8	8.5	7.3	8.0
17	7.1	5.3	6.8	7.4	7.2	7.3	7.7	7.1	7.5	---	---	---
18	6.8	6.1	6.5	8.1	7.2	7.6	8.0	6.9	7.5	---	---	---
19	6.6	5.8	6.4	7.5	7.3	7.4	8.2	7.7	8.0	---	---	---
20	6.8	5.6	6.4	7.8	7.2	7.4	8.4	7.7	8.1	---	---	---
21	6.7	5.3	6.3	8.0	7.3	7.9	8.1	7.2	7.8	9.7	7.6	9.1
22	6.6	5.2	6.3	8.4	7.9	8.3	8.0	7.4	7.7	9.7	9.3	9.5
23	7.1	6.1	6.8	8.7	8.1	8.4	7.5	6.9	7.3	9.7	9.4	9.5
24	7.0	6.1	6.6	8.5	7.6	8.3	7.7	6.9	7.4	9.8	9.3	9.5
25	---	---	---	7.6	---	---	7.8	6.9	7.6	9.6	9.2	9.4
26	---	---	---	---	---	---	8.0	6.9	7.4	9.2	8.7	8.9
27	7.3	6.4	7.1	7.5	6.5	6.9	8.0	7.3	7.5	9.4	7.8	9.0
28	7.5	6.4	7.0	6.9	5.9	6.4	8.0	7.5	7.7	7.8	6.8	7.5
29	7.5	7.1	7.2	6.9	6.2	6.6	8.0	6.7	7.3	8.8	6.8	8.0
30	---	---	---	7.9	6.9	7.4	7.3	6.0	6.7	9.2	8.7	9.0
31	---	---	---	8.3	7.9	8.2	7.8	7.0	7.4	---	---	---
MONTH	---	---	---	---	---	---	10.7	6.0	7.7	---	---	---

02337448 HURRICANE CREEK TRIBUTARY NEAR FAIRPLAY, GA

LOCATION.—Lat 33°35'03", long 84°50'54", referenced to North American Datum (NAD) of 1927, Douglas County, Hydrologic Unit 03130002, at culvert on GA 5, 8.0 miles east of Fairplay.

DRAINAGE AREA.—0.33 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 930.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.46 feet, November 5, 1977
DISCHARGE: 292 cfs, November 5, 1977

MAXIMUM FOR CURRENT YEAR.—
STAGE: 5.69 feet, September 16
DISCHARGE: 84.5 cfs, September 16

2004 Water Year

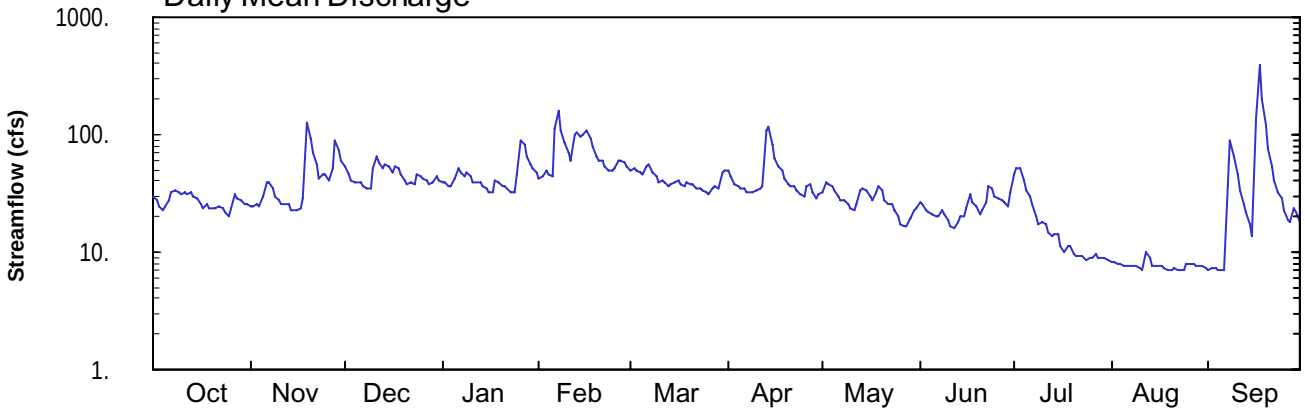
APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA

Latitude: 33°31'46" Longitude: 084°55'42" Hydrologic Unit Code: 03130002

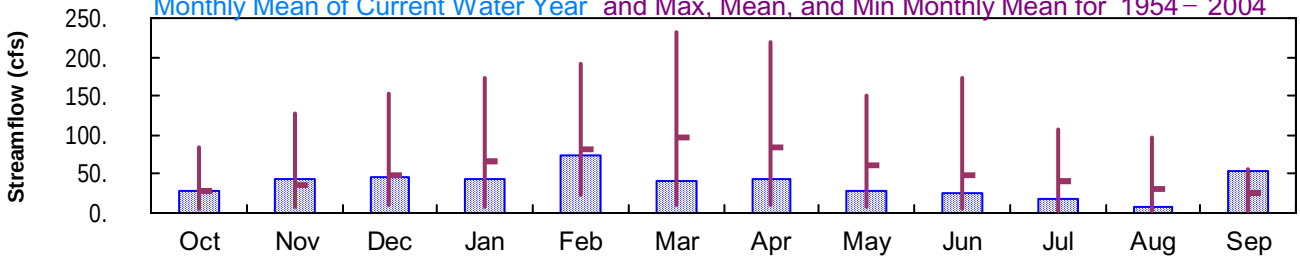
Carroll County Datum: 832.75 feet Drainage Area: 35.5 mi²

Daily Mean Discharge

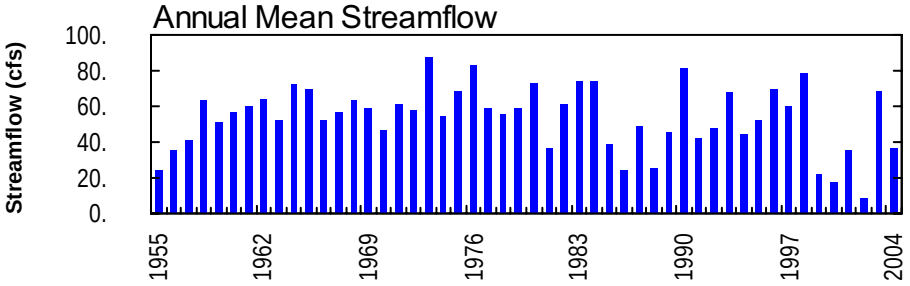


Monthly Statistics

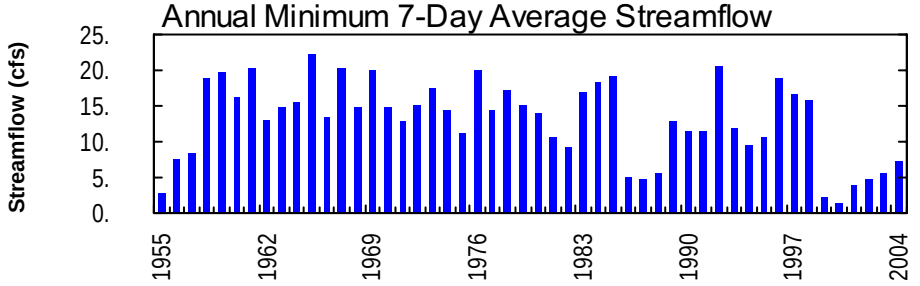
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1954 – 2004



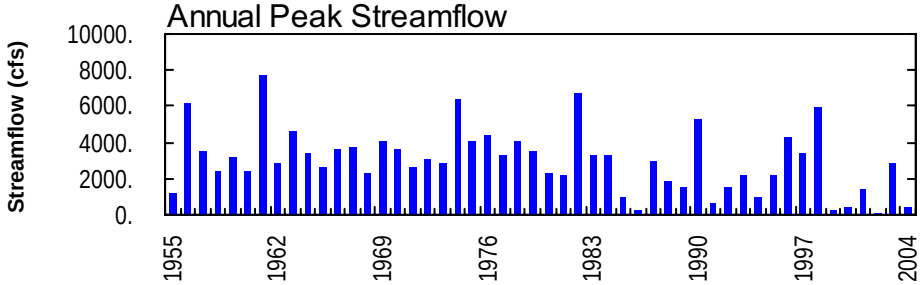
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02337500 SNAKE CREEK NEAR WHITESBURG, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°31'46", long 84°55'42", referenced to North American Datum (NAD) of 1927, Carroll County, Hydrologic Unit 03130002, on left bank, on downstream side of former bridge pier, 50.0 feet upstream from county highway bridge, at Banning Mills, 1.6 miles north of US 27 (ALT), 3.0 miles northwest of Whitesburg, 4.0 miles downstream from Little Snake Creek, and 7.0 miles upstream from mouth.

DRAINAGE AREA.—35.5 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1954 to current year.

REVISED RECORDS.—WDR GA-90-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 832.75 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good. Flow regulated by earthen dam upstream of gage since September, 2001.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1954 to current year.

REVISED RECORD.—WDR GA-90-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 832.75 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 3.84 feet, September 17; minimum gage-height recorded, 1.71 feet, August 20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 21, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337500 SNAKE CREEK NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 333146 LONGITUDE 0845542 NAD27 DRAINAGE AREA 35.50 CONTRIBUTING DRAINAGE AREA 35.50* DATUM 832.75 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	24	54	39	43	50	49	32	26	45	8.3	7.2
2	27	25	47	39	45	51	43	39	26	51	8.3	7.4
3	24	26	40	37	50	50	38	38	e23	52	8.0	7.2
4	23	25	39	36	45	47	36	36	e22	41	7.9	7.1
5	25	29	40	43	44	45	35	33	e21	33	7.7	7.1
6	28	40	39	52	111	53	35	30	e20	30	7.6	7.1
7	32	39	36	48	162	55	33	28	e20	26	7.5	37
8	34	35	35	45	110	49	32	28	23	20	7.5	87
9	32	29	35	47	84	43	32	26	21	17	7.5	65
10	31	27	51	45	71	40	33	23	19	18	7.2	45
11	32	26	64	40	61	40	35	23	17	17	7.1	33
12	31	26	59	39	98	39	36	25	16	15	10	26
13	32	26	51	39	104	36	107	33	18	13	8.7	22
14	30	22	55	37	95	37	116	35	20	14	7.7	17
15	29	22	53	35	101	40	82	34	20	14	7.5	13
16	25	23	49	33	107	40	63	30	24	11	7.5	135
17	24	24	54	33	93	38	54	28	30	10	7.5	384
18	25	28	51	40	78	36	49	32	26	11	7.3	201
19	23	125	46	39	65	39	43	36	25	11	7.1	119
20	24	91	40	37	61	38	38	33	21	9.7	7.2	75
21	24	69	38	36	60	38	36	28	23	9.1	7.4	53
22	24	56	39	34	54	35	36	26	26	9.1	7.2	40
23	24	43	38	32	50	35	34	25	37	9.1	7.1	32
24	21	45	46	32	50	34	31	23	35	8.6	7.1	28
25	21	45	45	46	51	32	30	20	30	8.9	8.0	23
26	24	40	42	89	60	31	37	17	29	9.0	7.9	18
27	31	51	40	84	59	34	38	16	28	9.6	7.9	18
28	29	90	38	65	58	36	32	17	27	8.9	7.7	23
29	28	73	39	55	53	35	29	19	25	8.8	7.5	22
30	25	61	43	51	---	47	31	22	32	8.8	7.5	18
31	25	---	40	47	---	50	---	24	---	8.4	7.3	---
TOTAL	837	1285	1386	1374	2123	1273	1323	859	730	557.0	237.7	1577.1
MEAN	27.0	42.8	44.7	44.3	73.2	41.1	44.1	27.7	24.3	18.0	7.67	52.6
MAX	34	125	64	89	162	55	116	39	37	52	10	384
MIN	21	22	35	32	43	31	29	16	16	8.4	7.1	7.1
CFSM	0.76	1.21	1.26	1.25	2.06	1.16	1.24	0.78	0.69	0.51	0.22	1.48
IN.	0.88	1.35	1.45	1.44	2.22	1.33	1.39	0.90	0.76	0.58	0.25	1.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	27.3	36.8	48.0	66.5	80.8	96.4	85.1	61.3	47.9	40.9	31.6	25.4
MAX	85.4	126	152	173	192	233	219	151	173	108	96.8	56.8
(WY)	1990	1993	1962	1972	1961	1990	1979	1973	2003	2003	1967	1994
MIN	4.29	7.22	11.3	7.73	23.8	9.58	10.1	7.51	6.04	3.43	3.78	3.34
(WY)	2001	2003	2002	2002	2002	2002	2002	2002	2002	2000	2000	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	26718		13561.8			
ANNUAL MEAN	73.2		37.1		53.9	
HIGHEST ANNUAL MEAN					88.2	1973
LOWEST ANNUAL MEAN					9.39	2002
HIGHEST DAILY MEAN	1440	Jun 18	384	Sep 17	2640	Feb 25 1961
LOWEST DAILY MEAN	21	Oct 24	7.1	Aug 11 a	0.96	Aug 20 2000
ANNUAL SEVEN-DAY MINIMUM	23	Oct 19	7.2	Aug 18	1.3	Aug 14 2000
MAXIMUM PEAK FLOW			466	Sep 17	7690	Feb 25 1961
MAXIMUM PEAK STAGE			3.84	Sep 17	14.40	Feb 25 1961
ANNUAL RUNOFF (CFSM)	2.06		1.04		1.52	
ANNUAL RUNOFF (INCHES)	28.00		14.21		20.61	
10 PERCENT EXCEEDS	108		60		90	
50 PERCENT EXCEEDS	55		33		38	
90 PERCENT EXCEEDS	29		8.5		15	

e Estimated
a Also Aug 11,19,23,24, Sep 4-6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337500 SNAKE CREEK NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 333146 LONGITUDE 0845542 NAD27 DRAINAGE AREA 35.50 CONTRIBUTING DRAINAGE AREA 35.50* DATUM 832.75 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.09	2.03	2.37	2.22	2.25	2.33	2.31	2.13	2.06	2.28	1.75	1.72
2	2.07	2.04	2.29	2.22	2.27	2.34	2.26	2.21	2.06	2.32	1.75	1.73
3	2.03	2.05	2.23	2.19	2.32	2.33	2.21	2.21	---	2.32	1.74	1.72
4	2.01	2.04	2.22	2.18	2.28	2.30	2.18	2.18	---	2.22	1.74	1.72
5	2.03	2.09	2.22	2.25	2.26	2.28	2.16	2.14	---	2.13	1.74	1.72
6	2.07	2.21	2.22	2.35	2.66	2.35	2.16	2.10	---	2.09	1.73	1.72
7	2.12	2.20	2.18	2.30	2.95	2.37	2.13	2.08	---	2.05	1.73	2.12
8	2.14	2.15	2.16	2.27	2.72	2.31	2.13	2.08	2.01	1.97	1.73	2.57
9	2.11	2.09	2.16	2.30	2.58	2.26	2.13	2.05	1.99	1.94	1.73	2.42
10	2.11	2.07	2.33	2.27	2.49	2.22	2.14	2.02	1.96	1.94	1.72	2.26
11	2.12	2.05	2.45	2.23	2.42	2.23	2.17	2.01	1.92	1.93	1.72	2.13
12	2.10	2.05	2.41	2.22	2.65	2.21	2.18	2.05	1.91	1.88	1.79	2.05
13	2.12	2.05	2.34	2.22	2.69	2.18	2.69	2.15	1.94	1.86	1.76	2.00
14	2.10	2.01	2.38	2.19	2.64	2.20	2.75	2.17	1.98	1.88	1.74	1.93
15	2.08	2.00	2.36	2.17	2.67	2.22	2.56	2.15	1.97	1.88	1.73	1.86
16	2.04	2.01	2.31	2.14	2.70	2.23	2.44	2.10	2.03	1.82	1.73	2.49
17	2.03	2.02	2.37	2.14	2.63	2.21	2.37	2.08	2.11	1.80	1.73	3.63
18	2.04	2.08	2.34	2.23	2.54	2.19	2.32	2.13	2.07	1.82	1.73	3.09
19	2.02	2.78	2.28	2.21	2.46	2.21	2.25	2.18	2.04	1.82	1.72	2.75
20	2.02	2.65	2.23	2.19	2.42	2.21	2.20	2.14	1.98	1.79	1.72	2.49
21	2.02	2.48	2.21	2.18	2.42	2.20	2.18	2.08	2.02	1.78	1.73	2.32
22	2.03	2.38	2.22	2.15	2.36	2.16	2.18	2.06	2.06	1.78	1.72	2.21
23	2.02	2.30	2.20	2.13	2.32	2.16	2.15	2.05	2.19	1.77	1.72	2.12
24	1.99	2.31	2.29	2.13	2.32	2.15	2.12	2.02	2.17	1.76	1.72	2.08
25	1.98	2.28	2.27	2.27	2.34	2.13	2.10	1.98	2.11	1.76	1.74	2.01
26	2.02	2.23	2.25	2.61	2.41	2.12	2.19	1.93	2.09	1.77	1.74	1.95
27	2.10	2.32	2.23	2.57	2.41	2.16	2.20	1.92	2.08	1.79	1.74	1.94
28	2.09	2.61	2.21	2.45	2.40	2.18	2.13	1.93	2.07	1.77	1.74	2.02
29	2.07	2.50	2.21	2.38	2.36	2.16	2.10	1.96	2.05	1.77	1.73	2.00
30	2.04	2.42	2.26	2.34	---	2.30	2.11	2.00	2.13	1.76	1.73	1.95
31	2.04	---	2.23	2.29	---	2.33	---	2.03	---	1.75	1.73	---
MEAN	2.06	2.22	2.27	2.26	2.48	2.23	2.24	2.07	---	1.91	1.73	2.16
MAX	2.14	2.78	2.45	2.61	2.95	2.37	2.75	2.21	---	2.32	1.79	3.63
MIN	1.98	2.00	2.16	2.13	2.25	2.12	2.10	1.92	---	1.75	1.72	1.72

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337500 SNAKE CREEK NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 333146 LONGITUDE 0845542 NAD27 DRAINAGE AREA 35.50 CONTRIBUTING DRAINAGE AREA 35.50* DATUM 832.75 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.01	0.02	0.11
2	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.22	0.00	0.87	0.01	0.11
3	0.00	0.00	0.06	0.00	0.10	0.00	0.00	0.00	---	0.01	0.00	0.12
4	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
5	0.00	0.51	0.00	1.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
6	0.54	0.02	0.00	0.00	1.61	0.46	0.00	0.00	---	0.04	0.00	0.20
7	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	3.81
8	0.25	0.00	0.00	0.04	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.01
9	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.01	0.43	0.00	0.00
10	0.01	0.00	1.17	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.13	0.00
11	0.00	0.00	0.00	0.00	0.30	0.00	0.32	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.02	0.00	0.89	---	0.00	0.00	2.40	0.00
13	0.00	0.00	0.40	0.00	0.00	0.00	0.20	0.13	0.47	0.00	0.00	0.00
14	0.04	0.00	0.07	0.00	0.38	0.00	0.01	0.00	0.30	0.06	0.00	0.00
15	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.37	0.00	0.00	0.01
16	0.00	0.00	0.24	0.00	0.00	0.05	0.00	0.01	0.50	0.00	0.00	3.75
17	0.06	0.08	0.11	0.36	0.03	0.00	0.00	0.00	0.00	0.34	0.00	0.19
18	0.00	2.44	0.00	0.08	0.00	0.00	0.00	0.73	0.03	0.03	0.00	0.00
19	0.00	0.34	0.00	0.01	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.24	0.00
21	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.17	0.00	0.26	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.01	0.00
23	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.01	0.00
24	0.00	0.49	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00
25	0.00	0.00	0.00	1.48	0.16	0.00	0.00	0.00	0.00	1.38	0.97	0.00
26	0.62	0.00	0.00	0.01	0.53	0.00	0.66	0.00	0.35	0.25	0.00	0.00
27	0.01	1.70	0.00	0.01	0.06	0.00	0.00	0.00	0.42	0.02	0.00	0.77
28	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
29	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.81	0.01	0.00	0.05	0.00
30	0.00	0.00	0.03	0.00	---	1.02	0.06	0.00	1.77	0.01	0.00	0.00
31	0.00	---	0.00	0.00	---	0.02	---	0.51	---	0.00	0.00	---
TOTAL	1.67	5.63	3.39	3.24	5.43	1.63	2.20	---	---	3.45	4.11	9.08

2004 Water Year

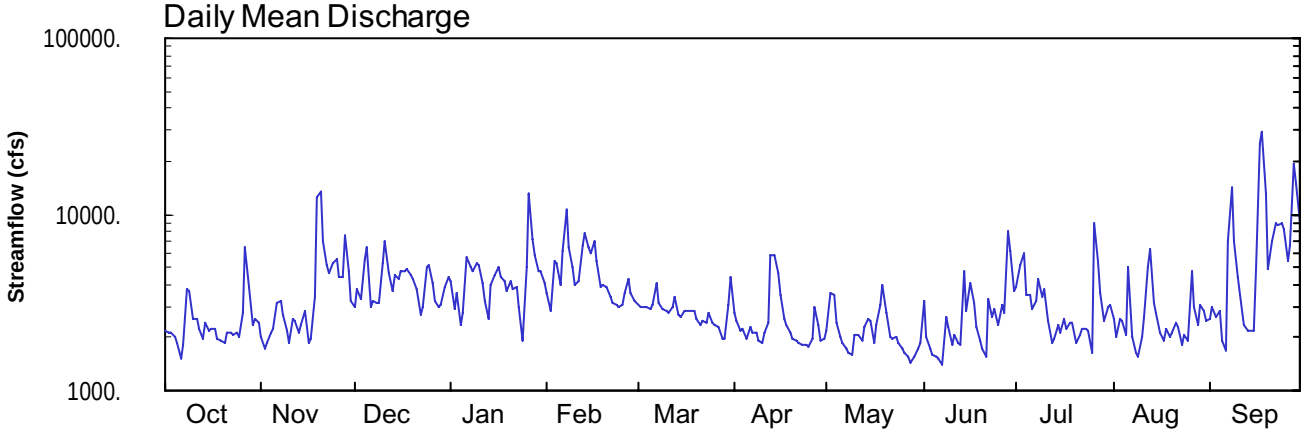
APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA

Latitude: 33°28'37" Longitude: 084°54'03" Hydrologic Unit Code: 03130002

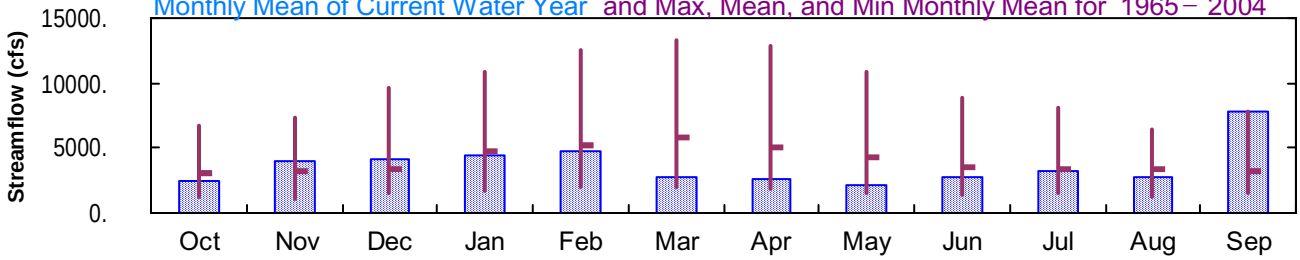
Carroll County Datum: 682.06 feet Drainage Area: 2430. mi²

Daily Mean Discharge

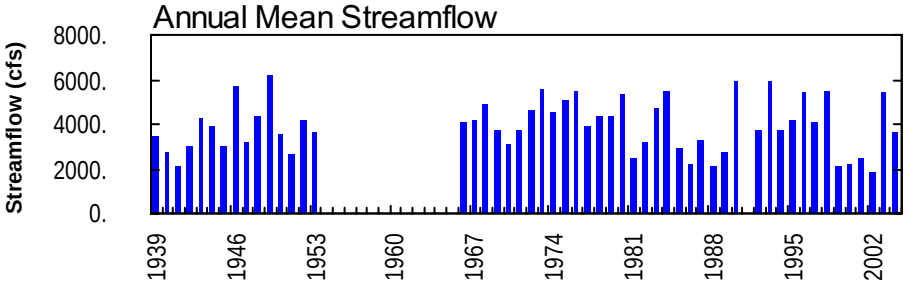


Monthly Statistics

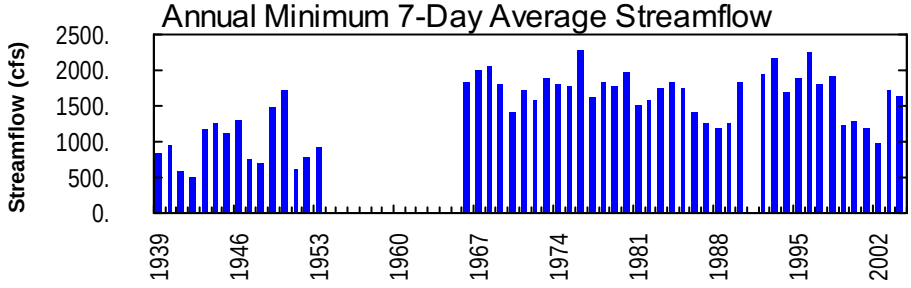
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1965 – 2004

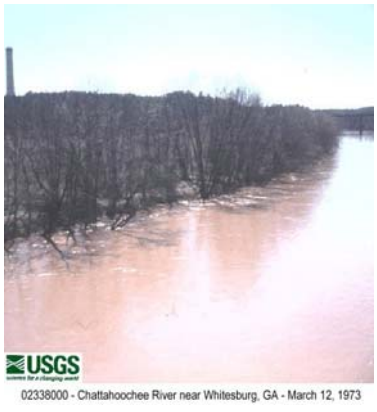


Annual Mean Streamflow

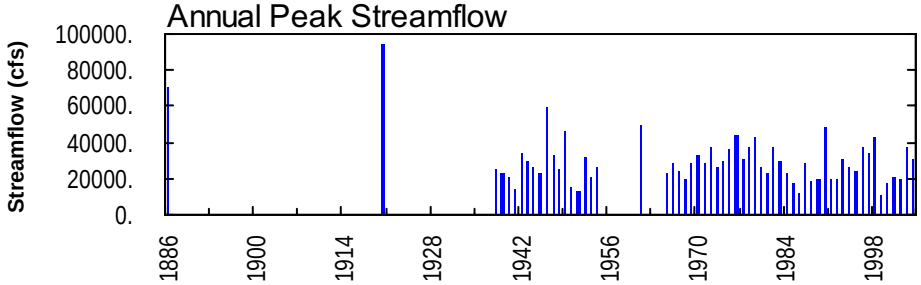


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°28'37", long 84°54'03", referenced to North American Datum (NAD) of 1927, Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on GA 16, 0.5 miles upstream from Central of Georgia Railroad bridge, 1.2 miles southeast of Whitesburg, 1.5 miles downstream from Cedar Creek, 2.0 miles downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.—2,430 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1938 to June 1954; January 1965 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 682.06 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to May 1, 1949, a non-recording gage was located at site 1.0 mile upstream at datum 2.00 feet higher. From May 1, 1949 to June 30, 1954, a non-recording gage was located at present site at datum 2.00 feet higher.

REMARKS.—Records good. Flow regulated by Lake Sidney Lanier since January 1956. Considerable diurnal fluctuation caused by the operation of the Morgan Falls hydroelectric plant. Statistics prior to regulation are available upon request.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1938 to June 1954; January 1965 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 682.06 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to May 1, 1949, a non-recording gage was located at site 1.0 mile upstream at datum 2.00 feet higher. From May 1, 1949 to June 30, 1954, a non-recording gage was located at present site at datum 2.00 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.38 feet, September 18; minimum gage-height recorded, 2.52 feet, June 7.

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA—continued.
(National Water-Quality Assessment station)

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 4, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 332837 LONGITUDE 0845403 NAD27 DRAINAGE AREA 2430.00* CONTRIBUTING DRAINAGE AREA DATUM 682.06 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2190	2040	3020	4210	3600	3030	2720	2180	3210	3910	2520	2530
2	2110	1710	3810	2920	2810	e2960	2470	3560	2010	5130	2020	2960
3	2150	1880	3310	3570	5450	e2970	2180	3460	1750	5980	2580	2590
4	2000	2150	5550	2360	5330	2980	2240	2430	1600	3490	2500	2840
5	1880	2250	6590	2770	3960	2880	1970	2010	1560	3460	2070	1910
6	1520	3110	2980	5730	6120	3070	2320	1860	1510	2930	5030	1670
7	1810	3220	3250	4960	10800	4040	2140	1730	1410	3260	2010	6980
8	3820	2700	3180	4790	6460	3170	2110	1660	2600	4310	1650	14200
9	3650	2180	3140	5260	5050	2920	1940	1620	2290	3390	1540	6980
10	2550	1840	5220	5170	4010	2820	1880	2090	1800	3770	2010	4440
11	2570	2580	6960	4080	4150	2760	2130	2070	2050	2500	2650	3460
12	2240	2500	4690	3200	6680	2960	2430	1900	1880	1870	5000	2360
13	1960	2110	3690	2560	7880	3380	5810	2270	1840	1970	6400	2200
14	2450	2390	4470	3930	6540	2660	5940	2580	4820	2350	3170	2210
15	2200	2840	4280	4470	6030	2630	4640	2490	2800	2120	2720	2160
16	2210	1880	4770	4990	7100	2800	3480	1870	4110	2580	2130	4890
17	2270	1970	4820	4370	5440	2820	2540	2360	3130	2220	1910	24900
18	1960	3420	4940	4220	3880	2850	2390	3060	2300	2400	2260	29400
19	1910	12500	4500	3650	3980	2820	2100	3980	1910	2430	2030	13200
20	1890	13500	4300	4240	3840	2570	1960	2730	1730	1880	2110	4910
21	2130	7000	3780	3720	3370	2330	1900	2000	1550	2080	2450	7050
22	2140	5160	2710	3890	3180	2490	1890	1950	3290	2260	2290	8950
23	2090	4630	3000	2970	3040	2440	1830	2040	2640	2260	1820	8740
24	2130	5240	5020	1900	3010	2780	1800	1860	2880	2180	2060	8800
25	2040	5630	5120	5010	3060	2450	1790	1710	2340	1660	1940	8280
26	2750	4450	4080	13100	3560	2360	1990	1620	3100	8960	4760	5420
27	6490	4360	3190	7200	4260	2300	3010	1550	2760	5390	2980	6720
28	3880	7540	3000	5820	3610	1990	2330	1440	7970	3590	2380	19200
29	2360	4720	3070	4750	3190	1970	1930	1560	6180	2510	3060	14900
30	2530	3220	3860	4750	---	3060	1980	1720	3690	2990	2810	9100
31	2450	---	4410	4030	---	4390	---	1850	---	3030	2490	---
TOTAL	76330	120720	128710	138590	139390	87650	75840	67210	82710	98860	83350	233950
MEAN	2462	4024	4152	4471	4807	2827	2528	2168	2757	3189	2689	7798
MAX	6490	13500	6960	13100	10800	4390	5940	3980	7970	8960	6400	29400
MIN	1520	1710	2710	1900	2810	1970	1790	1440	1410	1660	1540	1670
CFSM	1.01	1.66	1.71	1.84	1.98	1.16	1.04	0.89	1.13	1.31	1.11	3.21
IN.	1.17	1.85	1.97	2.12	2.13	1.34	1.16	1.03	1.27	1.51	1.28	3.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	3039	3237	3417	4740	5229	5852	5107	4336	3494	3327	3373	3220
MAX	6800	7349	9716	10900	12550	13320	12830	10800	8807	8045	6396	7798
(WY)	1990	1993	1993	1993	1990	1990	1979	2003	2003	2003	1984	2004
MIN	1153	1067	1477	1643	1997	2060	1797	1574	1383	1544	1259	1534
(WY)	2002	2002	1989	1981	2002	1988	1986	2000	1988	2002	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	1971430		1333310			
ANNUAL MEAN	5401		3643		4022	
HIGHEST ANNUAL MEAN					5959	1990
LOWEST ANNUAL MEAN					1897	2002
HIGHEST DAILY MEAN	35200	Jun 18	29400	Sep 18	47600	Mar 18 1990
LOWEST DAILY MEAN	1520	Oct 6	1410	Jun 7	939	Nov 12 2001
ANNUAL SEVEN-DAY MINIMUM	1950	Oct 1	1640	May 25	976	Nov 11 2001
MAXIMUM PEAK FLOW			30400	Sep 18	48700	Mar 18 1990
MAXIMUM PEAK STAGE			19.38	Sep 18	25.90	Mar 18 1990
ANNUAL RUNOFF (CFSM)	2.22		1.50		1.66	
ANNUAL RUNOFF (INCHES)	30.18		20.41		22.49	
10 PERCENT EXCEEDS	9350		6000		7600	
50 PERCENT EXCEEDS	4010		2820		2980	
90 PERCENT EXCEEDS	2310		1880		1660	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 332837 LONGITUDE 0845403 NAD27 DRAINAGE AREA 2430.00* CONTRIBUTING DRAINAGE AREA DATUM 682.06 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.43	3.41	4.22	5.19	4.71	4.24	3.97	3.47	4.37	4.95	3.78	3.79
2	3.34	3.03	4.87	4.13	4.04	---	3.74	4.64	3.30	5.87	3.32	4.17
3	3.39	3.23	4.47	4.68	6.11	---	3.47	4.59	3.03	6.51	3.84	3.85
4	3.23	3.52	6.18	3.64	6.02	4.20	3.52	3.70	2.87	4.59	3.77	4.06
5	3.09	3.62	6.92	4.01	4.99	4.11	3.27	3.30	2.83	---	3.36	3.20
6	2.68	4.46	4.19	6.33	6.52	4.27	3.59	3.16	2.77	---	5.77	2.95
7	3.02	4.57	4.42	5.75	9.70	5.06	3.43	3.02	2.65	4.43	3.29	6.78
8	4.92	4.08	4.36	5.63	6.85	4.36	3.41	2.94	3.83	5.27	2.92	11.68
9	4.82	3.55	4.32	5.97	5.81	4.14	3.23	2.90	3.57	4.54	2.81	7.21
10	3.79	3.19	5.92	5.90	5.04	4.05	3.18	3.37	3.09	4.85	3.30	5.36
11	3.81	3.96	7.19	5.09	5.15	4.00	3.42	3.36	3.34	3.75	3.89	4.58
12	3.48	3.88	5.55	4.38	6.91	4.17	3.71	3.20	3.15	3.16	5.71	3.63
13	3.19	3.47	4.78	3.81	7.84	4.53	6.29	3.55	3.10	3.26	6.77	3.48
14	3.70	3.77	5.36	4.97	6.93	3.92	6.47	3.84	5.64	3.62	4.35	3.49
15	3.44	4.22	5.24	5.39	6.55	3.89	5.51	3.76	4.01	3.40	3.95	3.45
16	3.46	3.23	5.61	5.78	7.32	4.03	4.60	3.16	5.08	3.84	3.42	5.47
17	3.52	3.32	5.64	5.31	6.11	4.05	3.81	3.62	4.32	3.50	3.20	17.09
18	3.18	4.76	5.73	5.20	4.93	4.08	3.66	4.25	3.58	3.66	3.54	18.99
19	3.12	10.69	5.41	4.75	5.02	4.05	3.39	5.01	3.21	3.70	3.32	10.89
20	3.11	11.26	5.26	5.20	4.90	3.83	3.25	3.97	3.01	3.16	3.38	5.71
21	3.37	7.21	4.85	4.81	4.53	3.61	3.20	3.30	2.82	3.37	3.71	7.25
22	3.38	5.90	3.95	4.94	4.36	3.76	3.19	3.24	4.42	3.54	3.56	8.57
23	3.33	5.50	4.20	4.18	4.25	3.71	3.13	3.34	3.89	3.53	3.11	8.43
24	3.38	5.96	5.80	3.19	4.22	4.02	3.09	3.15	4.10	3.47	3.34	8.47
25	3.28	6.25	5.87	5.59	4.27	3.72	3.09	3.00	3.62	2.93	3.23	8.13
26	3.97	5.36	5.09	11.08	4.68	3.64	3.28	2.90	4.29	8.43	5.58	6.09
27	7.14	5.29	4.37	7.38	5.23	3.59	4.22	2.82	4.00	6.06	4.18	7.02
28	5.12	7.60	4.21	6.39	4.72	3.28	3.61	2.69	7.88	4.69	3.66	14.36
29	3.73	5.57	4.27	5.59	4.38	3.27	3.23	2.83	6.65	3.77	4.26	12.05
30	3.91	4.40	4.90	5.60	---	4.22	3.28	3.01	4.78	4.20	4.04	8.67
31	3.84	---	5.34	5.04	---	5.32	---	3.12	---	4.23	3.76	---
MEAN	3.68	4.94	5.11	5.32	5.59	---	3.74	3.43	3.91	---	3.87	7.30
MAX	7.14	11.26	7.19	11.08	9.70	---	6.47	5.01	7.88	---	6.77	18.99
MIN	2.68	3.03	3.95	3.19	4.04	---	3.09	2.69	2.65	---	2.81	2.95

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 332837 LONGITUDE 0845403 NAD27 DRAINAGE AREA 2430.00* CONTRIBUTING DRAINAGE AREA DATUM 682.06 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.01	0.08	0.09
2	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.23	0.00	0.23	0.01	0.03
3	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.04
4	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.73	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.27	0.02	0.00	0.00	1.10	0.44	0.00	0.00	0.00	0.01	0.00	0.25
7	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.05	0.00	3.70
8	0.25	0.00	0.00	0.03	0.00	0.00	0.09	0.00	0.00	0.01	0.00	0.01
9	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
10	0.02	0.00	1.19	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.23	0.00
11	0.00	0.00	0.00	0.00	0.25	0.00	0.32	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.81	0.00	1.03	0.84	0.00	0.00	1.69	0.00
13	0.00	0.00	0.57	0.00	0.00	0.00	0.16	0.23	0.17	0.00	0.00	0.00
14	0.01	0.00	0.03	0.00	0.40	0.00	0.01	0.00	0.04	0.03	0.00	0.00
15	0.01	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.63	0.00	0.00	0.01
16	0.00	0.00	0.21	0.00	0.00	0.03	0.00	0.00	0.23	0.00	0.00	4.01
17	0.02	0.08	0.12	0.40	0.03	0.00	0.00	0.00	0.12	0.10	0.00	0.11
18	0.00	2.24	0.00	0.05	0.00	0.00	0.00	0.23	0.07	0.02	0.00	0.00
19	0.00	0.53	0.00	0.01	0.00	0.00	0.00	0.57	0.05	0.00	0.00	0.00
20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.12	0.00
21	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.02	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.01	0.00	0.04	0.00
23	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.44	0.01	0.06	0.00	0.00	0.00	0.00	0.01	0.24	0.00	0.00
25	0.00	0.00	0.00	1.29	0.16	0.00	0.00	0.00	0.00	0.73	0.80	0.00
26	0.85	0.00	0.00	0.03	0.46	0.00	0.66	0.00	0.01	0.12	0.01	0.00
27	0.00	1.62	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.19	0.00	1.20
28	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00
29	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.02	0.14	0.00	0.10	0.00
30	0.00	0.00	0.05	0.00	---	0.85	0.06	0.00	2.34	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.02	---	0.36	---	0.00	0.00	---
TOTAL	1.59	5.72	3.32	2.86	4.13	1.39	2.34	3.37	4.52	1.74	3.11	9.45

APALACHICOLA RIVER BASIN
2004 Water Year

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°28'37", long 84°54'04", referenced to North American Datum (NAD) of 1927, Carroll-Coweta County line, Hydrologic Unit 03130002, 1.5 miles downstream from Cedar Creek, 2.0 miles downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.—2,430 square miles, approximately.

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.— February 1968 to May 1972, July 1975 to current year.

PERIOD OF DAILY RECORD.—

WATER TEMPERATURE: August 1975 to September 1976, November 1978 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.—

WATER TEMPERATURE: Maximum 31.5°C June 24, 1981: minimum, 1.5°C January 13, 1982.

REMARK—Datum of gage is 682.06 feet above sea level NGVD29.

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT													
20...	1430	1028	80020	3.31	2270	20	6.2	754	8.9	96	7.4	148	18.4
NOV													
17...	1430	1028	80020	3.11	2080	20	4.8	753	10.0	105	7.5	146	17.1
DEC													
22...	1200	1028	80020	3.54	2290	20	5.1	758	10.0	85	7.4	93	8.1
JAN													
21...	1130	1028	80020	4.43	3190	20	9.8	756	10.7	90	7.5	82	7.6
FEB													
17...	1400	1028	80020	4.28	3030	20	17	--	--	--	7.4	84	--
MAR													
24...	1200	1028	80020	4.28	3030	20	5.3	761	10.0	97	7.2	123	13.7
APR													
23...	1115	1028	80020	3.18	2060	20	6.2	754	7.1	82	7.1	156	21.8
MAY													
24...	1345	1028	80020	3.22	2100	20	14	752	6.8	84	7.1	257	25.5
JUN													
30...	1230	1028	80020	4.74	3680	20	90	754	6.4	77	6.7	89	24.0
JUL													
20...	0945	1028	80020	3.35	3080	20	18	749	6.8	85	6.9	133	25.8
AUG													
17...	1315	1028	80020	3.27	2150	20	45	748	6.9	84	6.8	123	24.4
SEP													
13...	1330	1028	80020	3.39	2260	20	17	752	7.1	85	7.0	131	24.0

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA—continued.

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
20...	28	34	12.2	8.7	<.04	--	--	2.23	--	E.007	<.02	.083	.027
NOV													
17...	28	34	12.7	9.4	<.04	--	--	2.21	--	E.007	.05	--	E.005
DEC													
22...	20	24	7.44	6.6	<.04	--	--	.97	--	E.004	.03	.018	.006
JAN													
21...	18	22	6.60	5.3	.07	4.27	.96	.98	.049	.015	.07	--	E.004
FEB													
17...	19	23	6.69	6.8	<.04	--	--	.94	--	E.006	.07	--	E.003
MAR													
24...	26	32	10.1	7.7	E.03	7.03	1.59	1.60	.039	.012	.07	--	<.006
APR													
23...	--	--	13.7	8.9	<.04	9.17	2.07	2.08	.030	.009	.05	.043	.014
MAY													
24...	29	35	15.5	10.2	E.02	10.1	2.28	2.30	.046	.014	.06	.040	.013
JUN													
30...	18	22	6.52	6.4	<.04	3.77	.85	.86	.039	.012	.32	.025	.008
JUL													
20...	17	21	11.0	8.4	<.04	--	--	1.73	--	E.004	.07	.043	.014
AUG													
17...	21	26	10.5	9.6	<.04	--	--	1.69	--	E.005	.10	.025	.008
SEP													
13...	24	29	12.0	8.6	E.04	8.80	1.99	2.00	.026	.008	.08	.040	.013

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)
OCT													
20...	.128	2.50	.2	.2	2.4	<.006	E.004	<.006	<.004	<.005	.009	<.050	<.010
NOV													
17...	.040	2.53	.4	.3	2.4	--	--	--	--	--	--	--	--
DEC													
22...	.038	1.20	.3	.3	1.8	<.006	<.006	<.006	<.005	<.005	.011	<.050	<.010
JAN													
21...	.046	1.15	.6	.6	1.8	--	--	--	--	--	--	--	--
FEB													
17...	.074	1.22	.9	.9	2.4	<.006	E.012	<.006	<.005	<.005	.350	<.050	<.010
MAR													
24...	.034	1.83	.7	.7	2.3	<.006	E.007	<.006	<.005	<.005	.042	<.050	<.010
APR													
23...	.054	2.52	.6	.6	2.5	<.006	E.008	<.006	<.005	<.005	.051	<.050	<.010
MAY													
24...	.070	2.59	.7	.7	3.4	<.006	E.007	<.006	<.005	<.005	.036	<.050	<.010
JUN													
30...	.146	1.38	3.7	3.6	3.7	<.006	E.006	<.006	<.005	<.005	.025	<.050	<.010
JUL													
20...	.057	2.07	.8	.7	2.5	--	--	--	--	--	--	--	--
AUG													
17...	.086	1.97	1.3	1.3	2.4	<.006	<.006	<.006	<.005	<.005	.023	<.050	<.010
SEP													
13...	.059	2.24	.8	.8	2.5	--	--	--	--	--	--	--	--

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA—continued.

Date	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)
OCT													
20...	<.002	E.011	<.020	<.005	<.006	<.018	<.003	<.004	.006	<.005	<.02	<.002	<.009
NOV													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
22...	<.004	E.006	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
JAN													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
17...	<.004	E.014	<.020	<.005	<.006	<.018	<.003	E.005	.005	<.009	<.02	<.004	<.009
MAR													
24...	<.004	E.007	<.020	<.005	<.006	<.018	<.003	E.004	.006	<.009	<.02	<.004	<.009
APR													
23...	<.004	E.064	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
MAY													
24...	<.004	E.081	<.020	<.005	<.006	<.018	<.003	E.005	.008	<.009	<.02	<.004	<.009
JUN													
30...	<.004	E.053	<.020	<.005	<.006	<.018	<.003	E.003	.011	<.009	<.02	<.004	<.009
JUL													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17...	<.004	E.020	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
SEP													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)
OCT													
20...	<.005	<.009	<.005	<.005	<.010	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002
NOV													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
22...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.005	<.006	<.003
JAN													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
17...	<.005	<.029	<.013	<.024	E.014	<.003	<.004	<.035	<.027	<.015	E.005	<.006	<.003
MAR													
24...	<.005	<.029	<.013	<.024	E.009	<.003	<.004	<.035	<.027	<.015	E.005	<.006	<.003
APR													
23...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
MAY													
24...	<.005	<.029	<.013	<.024	E.013	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
JUN													
30...	<.005	<.029	E.003	<.024	E.014	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
JUL													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
SEP													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA—continued.

Date	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)
OCT													
20...	<.007	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.010	<.011	<.02	.066	E.01
NOV													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
22...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.130	<.02
JAN													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
17...	<.007	<.003	<.010	<.004	E.014	<.011	.01	<.015	<.025	<.011	<.02	.532	E.01
MAR													
24...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.079	E.02
APR													
23...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.079	.02
MAY													
24...	<.007	<.003	<.010	<.004	<.022	<.011	.03	<.004	<.025	<.011	<.02	.072	.02
JUN													
30...	<.007	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	.036	E.01
JUL													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17...	<.007	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	.024	.02
SEP													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT								
20...	<.040	<.02	<.005	<.002	<.009	94	8	50
NOV								
17...	--	--	--	--	--	93	6	34
DEC								
22...	<.034	<.02	<.010	<.002	<.009	89	9	56
JAN								
21...	--	--	--	--	--	98	19	164
FEB								
17...	<.034	<.02	<.010	<.002	<.009	99	26	213
MAR								
24...	<.034	<.02	<.010	<.002	<.009	91	13	106
APR								
23...	<.034	<.02	<.010	<.002	<.009	94	14	78
MAY								
24...	<.034	<.02	<.010	<.002	<.009	99	23	130
JUN								
30...	<.034	<.02	<.010	<.002	<.009	92	113	1120
JUL								
20...	--	--	--	--	--	86	29	241
AUG								
17...	<.034	<.02	<.010	<.002	<.009	--	58	337
SEP								
13...	--	--	--	--	--	--	21	128

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

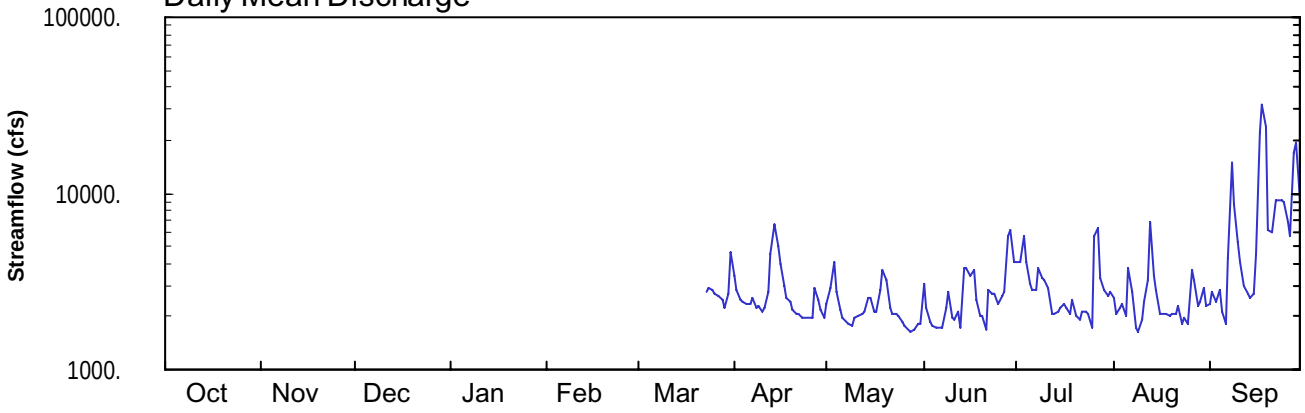
APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT US 27, AT FRANKLIN, GA

Latitude: 33°16'45" Longitude: 085°06'00" Hydrologic Unit Code: 03130002

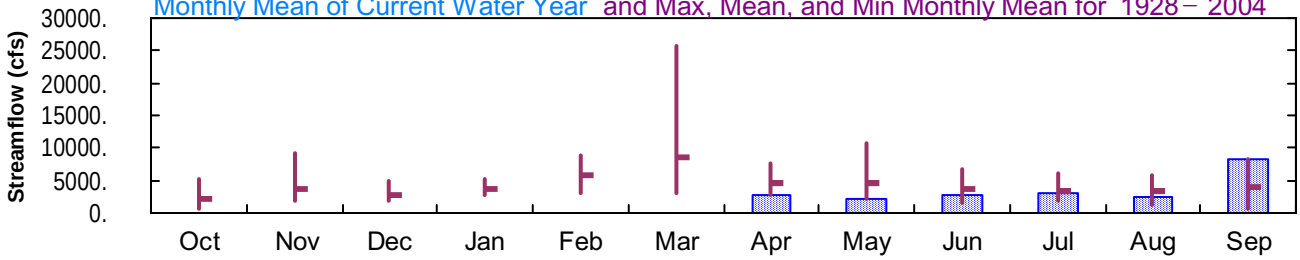
Heard County Datum: 623.86 feet Drainage Area: 2680. mi²

Daily Mean Discharge

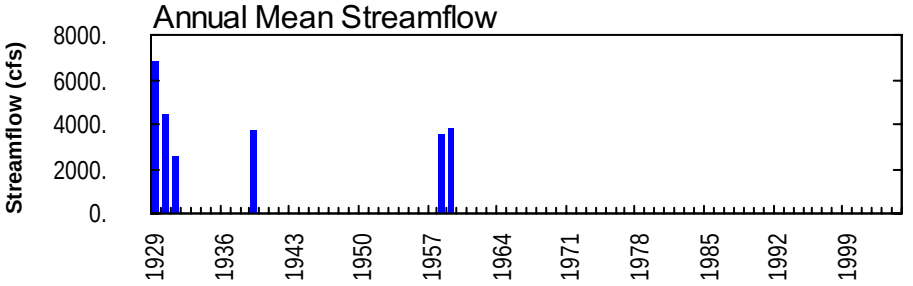


Monthly Statistics

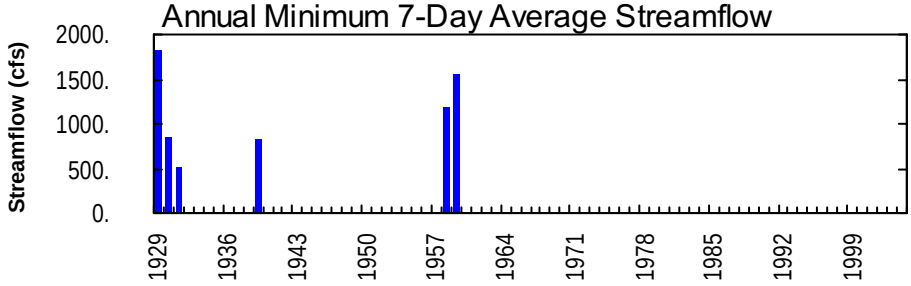
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1928 – 2004



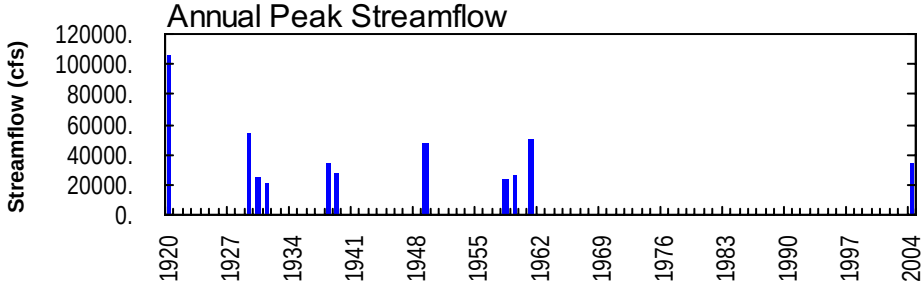
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02338500 CHATTAHOOCHEE RIVER AT US 27, NEAR FRANKLIN, GA

LOCATION.—Lat 33°16'45", long 84°06'00", referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, on downstream side of left bridge abutment of US 27 in Franklin, 1.2 miles below Centralhatchee Creek, 2.0 miles upstream of Hillabahatchee Creek.

DRAINAGE AREA.—2,680 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1929 to October 1931, October 1938 to September 1939, October 1957 to September 1959, October 1995 to September 1997, March 23, 2004 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 623.86 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1929 to October 1931, October 1938 to September 1939, October 1957 to September 1959, October 1995 to September 1997, March 23, 2004 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 623.86 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.38 feet, September 18-19; minimum gage-height recorded, 8.47 feet, March 29.

02338500 CHATTAHOOCHEE RIVER AT US 27, NEAR FRANKLIN, GA—continued.

WATER-VELOCITY RECORDS

PERIOD OF RECORD.—March 23, 2004 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Data represents the average water velocity at the downstream cross-section of the bridge with positive values in the downstream direction

REMARKS.—Records fair.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 23, 2004 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338500 CHATTAHOOCHEE RIVER AT US 27, AT FRANKLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331645 LONGITUDE 0850600 NAD27 DRAINAGE AREA 2680.00 CONTRIBUTING DRAINAGE AREA 2680.00* DATUM 623.86 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	3400	2340	3040	4080	2580	2350
2	---	---	---	---	---	---	2830	2890	2250	4110	2050	2790
3	---	---	---	---	---	---	2500	4100	1870	5700	2260	2430
4	---	---	---	---	---	---	2420	2750	1760	4070	2340	2820
5	---	---	---	---	---	---	2380	2190	1730	3020	2020	2150
6	---	---	---	---	---	---	2330	1990	1720	2830	3790	1800
7	---	---	---	---	---	---	2570	1870	1720	2860	2740	4250
8	---	---	---	---	---	---	2270	1800	2220	3730	1720	15100
9	---	---	---	---	---	---	2310	1760	2720	3320	1640	8600
10	---	---	---	---	---	---	2110	1970	1990	3190	1900	5330
11	---	---	---	---	---	---	2240	2010	1940	2920	2390	4110
12	---	---	---	---	---	---	2730	2060	2120	2050	3250	3010
13	---	---	---	---	---	---	4500	2110	1720	2070	6830	2710
14	---	---	---	---	---	---	6720	2540	3800	2120	3390	2540
15	---	---	---	---	---	---	5000	2560	3790	2250	2810	2670
16	---	---	---	---	---	---	4010	2100	3410	2380	2100	4580
17	---	---	---	---	---	---	2950	2150	3670	2230	2050	22300
18	---	---	---	---	---	---	2540	2800	2510	2080	2090	32200
19	---	---	---	---	---	---	2400	3680	2040	2490	2040	23900
20	---	---	---	---	---	---	2190	3250	2000	2020	2060	6200
21	---	---	---	---	---	---	2080	2210	1700	1920	2090	6010
22	---	---	---	---	---	---	2070	2050	2850	2110	2330	9200
23	---	---	---	---	---	2730	1950	2060	2700	2120	1830	9130
24	---	---	---	---	---	2930	1970	2020	2690	2090	1960	9030
25	---	---	---	---	---	2840	1960	1870	2370	1750	1800	8800
26	---	---	---	---	---	2700	1970	1790	2630	5640	3710	6800
27	---	---	---	---	---	2610	2930	1700	2780	6360	3210	5660
28	---	---	---	---	---	2470	2510	1640	5780	3320	2280	16800
29	---	---	---	---	---	2220	2190	1680	6210	2820	2430	19300
30	---	---	---	---	---	2690	1950	1810	4030	2650	2880	9290
31	---	---	---	---	---	4610	---	1840	---	2740	2310	---
TOTAL	---	---	---	---	---	---	81980	69590	81760	93040	78880	251860
MEAN	---	---	---	---	---	---	2733	2245	2725	3001	2545	8395
MAX	---	---	---	---	---		6720	4100	6210	6360	6830	32200
MIN	---	---	---	---	---		1950	1640	1700	1750	1640	1800
CFSM	---	---	---	---	---	---	1.02	0.84	1.02	1.12	0.95	3.13
IN.	---	---	---	---	---	---	1.14	0.97	1.13	1.29	1.09	3.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

MEAN	2144	3798	2889	3730	5724	8707	4514	4463	3683	3505	3343	4053
MAX	5060	9090	4773	5340	8778	25660	7528	10600	6855	6178	5859	8395
(WY)	1930	1930	1930	1930	1939	1929	1929	1929	1959	1928	1928	2004
MIN	491	1880	1771	2742	2922	3092	2733	2245	1596	1792	1256	644
(WY)	1932	1939	1939	1958	1931	1931	2004	2004	1931	1931	1930	1931

SUMMARY STATISTICS WATER YEARS 1928 - 2004

ANNUAL MEAN	4160	
HIGHEST ANNUAL MEAN	6883	1929
LOWEST ANNUAL MEAN	2573	1931
HIGHEST DAILY MEAN	54000	Mar 15 1929
LOWEST DAILY MEAN	457	Oct 16 1931
ANNUAL SEVEN-DAY MINIMUM	471	Oct 13 1931
MAXIMUM PEAK FLOW	54000	Mar 15 1929
MAXIMUM PEAK STAGE	22.70	Mar 15 1929
INSTANTANEOUS LOW FLOW	448	Oct 29 1931
ANNUAL RUNOFF (CFSM)	1.55	
ANNUAL RUNOFF (INCHES)	21.09	
10 PERCENT EXCEEDS	7000	
50 PERCENT EXCEEDS	3080	
90 PERCENT EXCEEDS	1360	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338500 CHATTAHOOCHEE RIVER AT US 27, AT FRANKLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331645 LONGITUDE 0850600 NAD27 DRAINAGE AREA 2680.00 CONTRIBUTING DRAINAGE AREA 2680.00* DATUM 623.86 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	9.33	9.67	9.32	11.17	13.34	12.45	10.58
2	---	---	---	---	---	9.20	9.19	9.68	10.96	13.40	12.30	10.68
3	---	---	---	---	---	9.12	8.97	10.57	10.81	13.68	12.17	10.65
4	---	---	---	---	---	9.22	8.88	9.96	10.71	13.34	12.06	10.73
5	---	---	---	---	---	9.18	8.83	9.83	10.62	13.11	11.81	10.53
6	---	---	---	---	---	9.20	8.81	9.81	10.61	13.09	12.12	10.29
7	---	---	---	---	---	10.01	9.01	9.82	10.57	13.05	11.73	11.28
8	---	---	---	---	---	9.64	8.81	9.84	10.59	13.18	11.42	17.07
9	---	---	---	---	---	9.27	8.83	9.92	10.65	13.11	11.27	14.03
10	---	---	---	---	---	9.12	8.68	10.09	10.49	13.14	11.17	12.33
11	---	---	---	---	---	8.99	8.74	10.14	10.48	13.15	11.08	11.93
12	---	---	---	---	---	9.13	9.10	10.22	10.51	12.92	11.21	11.67
13	---	---	---	---	---	9.39	10.52	10.29	10.42	12.79	13.10	11.53
14	---	---	---	---	---	9.15	12.47	10.47	11.06	12.66	11.52	11.35
15	---	---	---	---	---	8.93	11.22	10.55	11.34	12.59	11.40	11.14
16	---	---	---	---	---	9.00	10.61	10.54	11.36	12.58	11.24	11.58
17	---	---	---	---	---	9.13	9.91	10.65	11.66	12.56	11.15	18.83
18	---	---	---	---	---	---	9.68	10.86	11.49	12.44	11.10	21.84
19	---	---	---	---	---	---	9.54	11.22	11.44	12.44	11.04	19.72
20	---	---	---	---	---	9.04	9.38	11.21	11.48	12.29	10.97	12.72
21	---	---	---	---	---	8.84	9.34	10.97	11.50	12.16	10.91	12.08
22	---	---	---	---	---	8.77	9.29	11.01	11.73	12.08	10.93	13.73
23	---	---	---	---	---	8.77	9.20	11.10	11.83	11.94	10.76	13.72
24	---	---	---	---	---	8.92	9.16	11.11	11.98	11.84	10.65	13.68
25	---	---	---	---	9.25	8.90	9.12	11.05	12.09	11.82	10.41	13.59
26	---	---	---	---	9.57	8.79	9.12	11.00	12.19	13.27	11.12	12.54
27	---	---	---	---	10.24	8.75	9.58	10.94	12.37	13.77	10.78	11.74
28	---	---	---	---	10.00	8.70	9.35	10.89	13.44	12.77	10.46	16.49
29	---	---	---	---	9.53	8.55	9.22	10.87	13.84	12.62	10.64	18.63
30	---	---	---	---	---	8.89	9.11	10.92	13.41	12.51	10.86	14.55
31	---	---	---	---	---	10.54	---	10.96	---	12.45	10.62	---
MEAN	---	---	---	---	---	---	9.44	10.51	11.43	12.78	11.30	13.37
MAX	---	---	---	---	---	---	12.47	11.22	13.84	13.77	13.10	21.84
MIN	---	---	---	---	---	---	8.68	9.32	10.42	11.82	10.41	10.29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338500 CHATTAHOOCHEE RIVER AT US 27, AT FRANKLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331645 LONGITUDE 0850600 NAD27 DRAINAGE AREA 2680.00 CONTRIBUTING DRAINAGE AREA 2680.00* DATUM 623.86 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.44	0.01	0.00	0.31	0.04
2	---	---	---	---	---	---	0.00	0.13	0.00	0.01	0.00	0.01
3	---	---	---	---	---	---	0.00	0.00	0.08	0.00	0.00	0.32
4	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.00	0.00
5	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00	0.25
7	---	---	---	---	---	---	0.00	0.00	0.00	0.26	0.00	3.48
8	---	---	---	---	---	---	0.10	0.00	0.00	0.01	0.00	0.03
9	---	---	---	---	---	---	0.00	0.00	0.00	0.22	0.00	0.00
10	---	---	---	---	---	---	0.00	0.03	0.00	0.01	0.58	0.00
11	---	---	---	---	---	---	0.41	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	1.04	0.01	0.00	0.01	1.85	0.00
13	---	---	---	---	---	---	0.09	0.00	1.19	0.00	0.00	0.00
14	---	---	---	---	---	---	0.01	0.00	0.65	0.06	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	0.03	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.01	0.01	0.00	0.00	4.32
17	---	---	---	---	---	---	0.00	0.00	0.00	0.07	0.00	0.07
18	---	---	---	---	---	---	0.00	0.31	0.01	0.04	0.00	0.00
19	---	---	---	---	---	---	0.00	0.06	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.01	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.95	0.00	0.00	0.86	0.00
23	---	---	---	---	---	---	0.00	0.01	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	0.00	0.00	0.10	0.00	0.00
25	---	---	---	---	---	---	0.00	0.00	0.00	0.51	0.02	0.00
26	---	---	---	---	---	---	0.39	0.00	0.00	0.29	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.01	0.93	0.00	0.60
28	---	---	---	---	---	---	0.00	0.27	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	0.00	0.03	0.00	0.00	0.17	0.00
30	---	---	---	---	---	---	0.06	0.00	0.01	0.18	0.01	0.00
31	---	---	---	---	---	---	---	0.32	---	0.00	0.00	---
TOTAL	---	---	---	---	---	---	---	2.57	2.02	2.71	3.81	9.12

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338500 CHATTAHOOCHEE RIVER AT US 27, AT FRANKLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331645 LONGITUDE 0850600 NAD27 DRAINAGE AREA 2680.00 CONTRIBUTING DRAINAGE AREA 2680.00* DATUM 623.86 NGVD29

Stream velocity, feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	2.43	1.68	1.57	1.59	1.04	1.29
2	---	---	---	---	---	---	2.19	1.98	1.14	1.59	0.81	1.55
3	---	---	---	---	---	---	2.00	2.52	0.94	2.26	0.93	1.33
4	---	---	---	---	---	---	1.97	1.77	0.89	1.58	0.99	1.56
5	---	---	---	---	---	---	1.95	1.39	0.89	1.14	0.87	1.17
6	---	---	---	---	---	---	1.91	1.24	0.88	1.06	1.73	1.00
7	---	---	---	---	---	---	2.04	1.15	0.89	1.08	1.26	2.10
8	---	---	---	---	---	---	1.85	1.09	1.21	1.46	0.76	4.64
9	---	---	---	---	---	---	1.88	1.05	1.52	1.28	0.74	3.50
10	---	---	---	---	---	---	1.76	1.15	1.08	1.21	0.90	2.54
11	---	---	---	---	---	---	1.86	1.17	1.05	1.09	1.20	1.98
12	---	---	---	---	---	---	2.14	1.19	1.16	0.74	1.68	1.42
13	---	---	---	---	---	---	2.74	1.20	0.92	0.76	3.02	1.29
14	---	---	---	---	---	---	3.26	1.45	2.08	0.80	1.68	1.23
15	---	---	---	---	---	---	2.83	1.44	1.97	0.87	1.38	1.36
16	---	---	---	---	---	---	2.43	1.14	1.73	0.93	1.00	2.32
17	---	---	---	---	---	---	1.94	1.15	1.81	0.86	0.99	5.62
18	---	---	---	---	---	---	1.72	1.50	1.18	0.81	1.01	6.38
19	---	---	---	---	---	---	1.65	1.95	0.93	1.00	1.00	5.36
20	---	---	---	---	---	---	1.53	1.69	0.90	0.80	1.02	2.99
21	---	---	---	---	---	---	1.46	1.11	0.74	0.77	1.05	3.15
22	---	---	---	---	---	---	1.47	1.01	1.32	0.87	1.19	4.10
23	---	---	---	---	---	2.33	1.40	1.00	1.22	0.89	0.93	4.08
24	---	---	---	---	---	2.44	1.43	0.98	1.18	0.89	1.03	4.06
25	---	---	---	---	---	2.37	1.43	0.90	1.00	0.72	0.97	3.99
26	---	---	---	---	---	2.29	1.44	0.86	1.11	2.22	1.97	3.43
27	---	---	---	---	---	2.22	2.07	0.82	1.15	2.52	1.81	3.15
28	---	---	---	---	---	2.12	1.82	0.79	2.32	1.34	1.28	5.43
29	---	---	---	---	---	1.94	1.60	0.82	2.45	1.13	1.32	5.03
30	---	---	---	---	---	2.22	1.43	0.88	1.55	1.07	1.56	3.79
31	---	---	---	---	---	2.91	---	0.90	---	1.12	1.25	---
MEAN	---	---	---	---	---	---	1.92	1.26	1.29	1.18	1.24	3.03
MAX	---	---	---	---	---	---	3.26	2.52	2.45	2.52	3.02	6.38
MIN	---	---	---	---	---	---	1.40	0.79	0.74	0.72	0.74	1.00

2004 Water Year

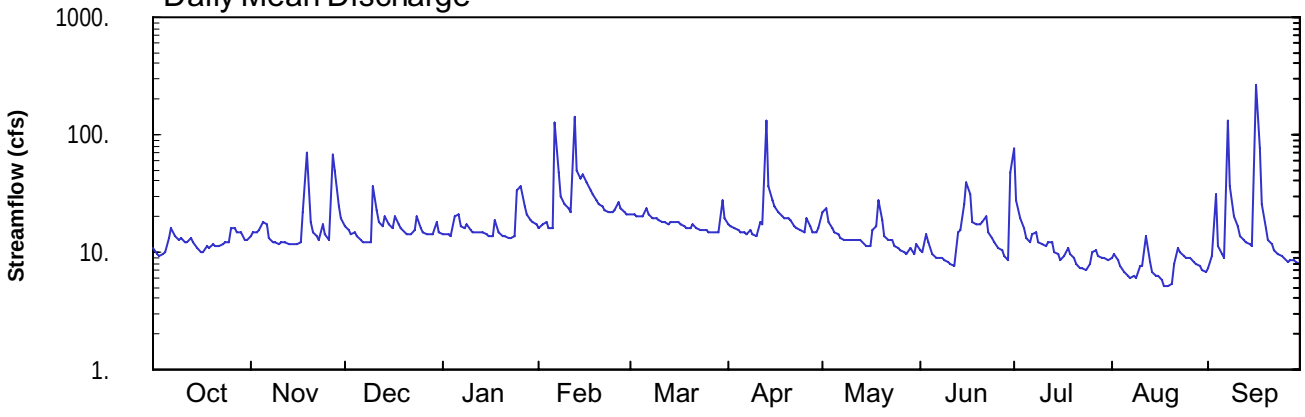
APALACHICOLA RIVER BASIN

02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN,GA

Latitude: 33°20'26" Longitude: 085°13'37" Hydrologic Unit Code: 03130002

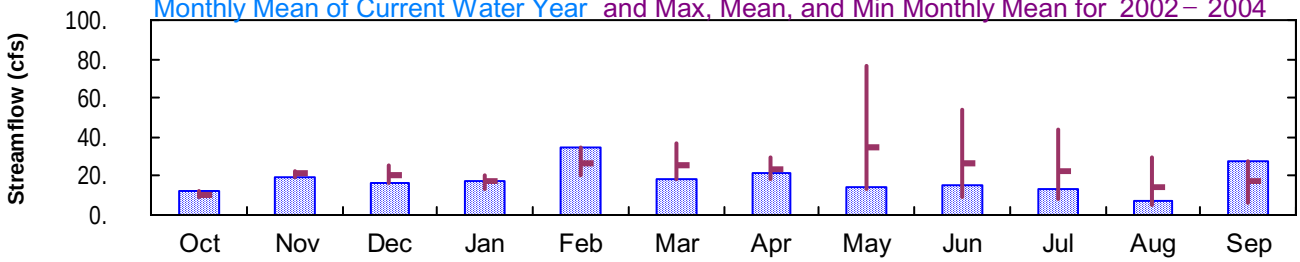
Heard County Datum: 910.00 feet Drainage Area: 16.8 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



APALACHICOLA RIVER BASIN
2004 Water Year

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA

LOCATION.—Lat 33°20'26", long 85°13'37", referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, on right bank, downstream side of bridge, 0.4 miles downstream of confluence of Red Oak Creek, 9.0 miles northwest of Franklin, 1.4 miles southwest of GA 100 on Thaxton Road.

DRAINAGE AREA.—16.8 square miles.

COOPERATION.—USGS National Water-Quality Assessment Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 13, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—December 13, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.59 feet, September 16; minimum gage-height recorded, 1.76 feet, August 18, 19.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 28, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 332026 LONGITUDE 0851337 NAD27 DRAINAGE AREA 16.8 CONTRIBUTING DRAINAGE AREA 16.8* DATUM 910.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	14	17	14	16	21	17	22	10	76	e9.0	7.4
2	9.7	15	15	14	18	21	16	23	10	27	e9.5	9.1
3	9.4	15	14	14	18	20	16	18	14	20	e8.5	31
4	9.6	15	15	14	16	20	15	16	12	16	e7.5	11
5	10	18	14	20	16	20	15	15	9.7	13	6.8	9.6
6	13	e17	13	21	124	24	15	14	9.0	e12	6.3	8.9
7	16	13	12	17	47	21	14	13	8.7	e14	6.0	132
8	14	12	12	16	30	20	15	12	8.8	15	6.2	36
9	13	12	12	17	26	19	14	13	8.6	12	5.9	20
10	13	12	37	16	23	19	14	13	8.4	12	7.6	16
11	12	12	22	15	22	18	18	13	8.0	11	7.7	14
12	12	12	18	15	142	18	17	12	7.6	12	13	13
13	13	12	17	15	49	18	130	12	15	12	8.3	12
14	12	11	21	15	43	18	36	12	15	10	6.7	12
15	11	12	17	14	46	18	27	11	25	9.7	6.2	11
16	10	12	16	14	39	18	24	11	39	8.7	6.2	e270
17	10	12	20	14	33	17	22	15	31	9.1	5.8	77
18	11	21	17	19	30	17	20	16	18	11	5.2	25
19	11	71	16	15	28	16	19	27	17	9.7	5.1	16
20	11	18	15	14	26	16	19	19	17	8.9	5.3	13
21	11	15	14	14	25	17	18	14	18	7.8	e8.0	12
22	11	13	14	13	23	16	17	13	e20	7.4	e11	11
23	12	13	16	13	22	16	16	12	e15	7.4	e10	9.7
24	12	17	20	14	22	16	15	11	13	7.1	9.1	9.2
25	12	14	16	33	23	15	15	11	12	8.0	8.8	8.7
26	16	13	15	37	27	15	19	10	11	9.9	9.1	8.3
27	16	66	14	25	23	15	17	9.9	10	10	8.2	8.6
28	15	49	14	21	22	15	15	9.8	9.3	9.2	8.0	8.7
29	15	24	14	19	21	15	14	11	8.7	8.7	7.5	8.3
30	13	19	18	18	---	28	16	9.6	47	8.9	7.1	7.9
31	13	---	15	17	---	19	---	12	---	8.7	6.7	---
TOTAL	377.7	579	510	537	1000	566	645	430.3	455.8	412.2	236.3	836.4
MEAN	12.2	19.3	16.5	17.3	34.5	18.3	21.5	13.9	15.2	13.3	7.62	27.9
MAX	16	71	37	37	142	28	130	27	47	76	13	270
MIN	9.4	11	12	13	16	15	14	9.6	7.6	7.1	5.1	7.4
MED	12	14	15	15	25	18	17	13	12	10	7.5	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	10.4	21.0	20.7	16.9	26.7	25.7	23.2	34.8	26.2	22.0	14.1	17.6
MAX	12.2	22.6	25.0	20.3	34.5	37.1	29.8	76.9	54.0	44.3	29.9	27.9
(WY)	2004	2003	2003	2002	2004	2003	2003	2003	2003	2003	2003	2004
MIN	8.68	19.3	16.5	13.2	20.1	18.3	18.2	13.7	9.49	8.37	4.60	6.62
(WY)	2003	2004	2004	2003	2002	2004	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	11486.7		6585.7			
ANNUAL MEAN	31.5		18.0		25.1	
HIGHEST ANNUAL MEAN					32.2	2003
LOWEST ANNUAL MEAN					18.0	2004
HIGHEST DAILY MEAN	390	May 8	e 270	Sep 16	390	May 8 2003
LOWEST DAILY MEAN	9.4	Oct 3	5.1	Aug 19	1.6	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	11	Oct 15	5.8	Aug 14	2.0	Sep 6 2002
MAXIMUM PEAK STAGE			6.59	Sep 16	14.44	May 7 2003
10 PERCENT EXCEEDS	49		25		42	
50 PERCENT EXCEEDS	24		14		17	
90 PERCENT EXCEEDS	12		8.6		8.8	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 332026 LONGITUDE 0851337 NAD27 DRAINAGE AREA 16.8 CONTRIBUTING DRAINAGE AREA 16.8* DATUM 910.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.99	2.05	2.12	2.07	2.10	2.19	2.13	2.16	1.94	2.61	---	1.85
2	1.97	2.07	2.09	2.06	2.13	2.18	2.11	2.19	1.93	2.24	---	1.90
3	1.96	2.08	2.07	2.06	2.13	2.18	2.10	2.09	2.01	2.13	---	2.22
4	1.96	2.09	2.07	2.05	2.10	2.17	2.09	2.06	1.97	2.06	---	1.95
5	1.97	2.13	2.05	2.16	2.10	2.17	2.08	2.04	1.92	2.00	1.83	1.91
6	2.03	---	2.03	2.18	2.87	2.23	2.07	2.02	1.90	---	1.82	1.89
7	2.11	2.04	2.02	2.11	2.51	2.19	2.06	2.00	1.89	---	1.81	2.96
8	2.06	2.02	2.02	2.10	2.33	2.16	2.08	1.98	1.89	2.04	1.82	2.34
9	2.04	2.02	2.02	2.13	2.26	2.16	2.06	1.99	1.89	1.98	1.81	2.14
10	2.05	2.01	2.37	2.09	2.22	2.15	2.05	1.99	1.88	1.97	1.86	2.07
11	2.03	2.01	2.21	2.08	2.20	2.14	2.13	1.99	1.87	1.95	1.86	2.02
12	2.03	2.02	2.13	2.08	3.03	2.14	2.12	1.99	1.86	1.98	1.99	1.99
13	2.04	2.01	2.11	2.07	2.53	2.13	2.93	1.99	1.99	1.98	1.88	1.98
14	2.03	2.00	2.18	2.07	2.47	2.13	2.35	1.98	2.04	1.93	1.83	1.96
15	1.99	2.01	2.12	2.07	2.50	2.14	2.25	1.96	2.16	1.92	1.82	1.96
16	1.98	2.00	2.10	2.05	2.43	2.14	2.20	1.95	2.30	1.89	1.82	3.28
17	1.98	2.01	2.17	2.06	2.36	2.12	2.17	2.03	2.28	1.90	1.80	2.81
18	2.01	2.11	2.13	2.15	2.33	2.11	2.14	2.07	2.10	1.94	1.78	2.35
19	2.00	2.60	2.10	2.08	2.30	2.10	2.12	2.23	2.08	1.91	1.78	2.20
20	2.01	2.14	2.08	2.06	2.27	2.10	2.12	2.11	2.08	1.89	1.79	2.13
21	2.01	2.07	2.07	2.05	2.25	2.12	2.10	2.01	2.10	1.86	---	2.11
22	2.01	2.05	2.06	2.05	2.22	2.09	2.08	1.99	---	1.85	---	2.08
23	2.01	2.04	2.09	2.04	2.21	2.09	2.06	1.98	---	1.85	---	2.06
24	2.02	2.12	2.18	2.05	2.20	2.09	2.05	1.96	2.00	1.84	1.90	2.04
25	2.03	2.06	2.10	2.31	2.22	2.09	2.04	1.95	1.98	1.87	1.89	2.03
26	2.10	2.03	2.08	2.40	2.28	2.08	2.12	1.93	1.94	1.92	1.90	2.02
27	2.10	2.48	2.07	2.25	2.23	2.08	2.07	1.92	1.93	1.93	1.87	2.02
28	2.08	2.52	2.06	2.18	2.21	2.08	2.04	1.92	1.90	1.90	1.87	2.03
29	2.08	2.24	2.06	2.15	2.19	2.08	2.03	1.95	1.89	1.89	1.85	2.02
30	2.03	2.16	2.14	2.14	---	2.28	2.05	1.91	2.22	1.89	1.84	2.01
31	2.03	---	2.08	2.12	---	2.16	---	1.97	---	1.89	1.83	---
MEAN	2.02	---	2.10	2.11	2.32	2.14	2.13	2.01	---	---	---	2.14
MAX	2.11	---	2.37	2.40	3.03	2.28	2.93	2.23	---	---	---	3.28
MIN	1.96	---	2.02	2.04	2.10	2.08	2.03	1.91	---	---	---	1.85

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 332026 LONGITUDE 0851337 NAD27 DRAINAGE AREA 16.8 CONTRIBUTING DRAINAGE AREA 16.8* DATUM 910.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.73	0.00	0.09	0.19	0.19
2	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.20	0.00	0.39	---	0.23
3	0.00	0.00	0.04	0.00	0.06	0.00	0.00	0.00	0.47	0.00	0.00	0.82
4	0.00	0.12	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00
5	0.00	0.11	0.01	0.76	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
6	0.48	---	0.00	0.00	1.96	0.31	0.00	0.00	0.00	---	0.00	0.23
7	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	3.32
8	0.02	0.00	0.00	0.06	0.00	0.00	0.18	0.00	0.01	0.00	0.00	0.04
9	0.00	0.00	0.00	0.19	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
10	0.09	0.00	1.26	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.34	0.00
11	0.00	0.00	0.01	0.00	0.25	0.00	0.37	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.32	0.00	1.67	0.00	0.00	0.15	0.93	0.00
13	0.00	0.00	0.44	0.00	0.00	0.00	0.14	0.02	1.35	0.00	0.00	0.00
14	0.03	0.00	0.04	0.01	0.39	0.00	0.00	0.00	0.18	0.16	0.00	0.00
15	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	1.21	0.00	0.00	0.00
16	0.00	0.14	0.41	0.00	0.00	0.02	0.00	0.02	0.52	0.00	0.00	3.27
17	0.09	0.00	0.03	0.44	0.02	0.00	0.00	0.47	0.00	0.09	0.00	0.17
18	0.00	2.41	0.00	0.04	0.00	0.00	0.00	0.47	0.04	0.20	0.01	0.00
19	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.29	0.00
21	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.06	0.00	---	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.42	0.00	---	0.00
23	0.00	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
24	0.00	0.60	0.00	0.07	0.02	0.00	0.00	0.00	0.05	0.00	0.05	0.00
25	0.00	0.00	0.00	1.42	0.27	0.00	0.00	0.00	0.03	0.55	0.02	0.00
26	0.24	0.00	0.00	0.03	0.47	0.00	0.48	0.00	0.00	0.32	0.00	0.00
27	0.00	2.07	0.01	0.01	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.30
28	0.00	0.09	0.00	0.00	0.00	0.00	0.00	---	0.01	0.00	0.00	0.00
29	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00
30	0.00	0.00	0.02	0.00	---	1.10	0.38	0.00	1.32	0.00	0.00	0.00
31	0.00	---	0.01	0.00	---	0.12	---	0.40	---	0.00	0.00	---
TOTAL	1.17	---	3.48	3.03	5.56	1.70	3.24	---	5.93	---	---	8.57

APALACHICOLA RIVER BASIN
2004 Water Year

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°20'26", long 85°13'37", referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, on right bank, downstream side of bridge, 0.4 miles downstream of confluence of Red Oak Creek, 9.0 miles northwest of Franklin, 1.4 miles southwest of GA 100 on Thaxton Road.

DRAINAGE AREA.—16.8 square miles.

REMARKS.—Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 2001, to current year.

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT													
21...	1515	1028	80020	2.00	11	40	2.0	742	9.9	103	6.2	25	16.0
NOV													
19...	1230	1028	80020	2.40	35	10	26	737	9.0	94	6.5	30	15.9
DEC													
22...	1400	1028	80020	2.09	15	10	.7	750	11.7	94	7.2	26	5.3
JAN													
21...	1430	1028	80020	2.06	14	10	.5	748	11.7	95	7.2	24	5.7
FEB													
19...	1345	1028	80020	2.27	25	10	1.1	750	10.8	94	6.4	24	8.8
MAR													
25...	1415	1028	80020	2.09	15	10	1.0	755	9.8	99	6.8	25	15.6
APR													
15...	1415	1028	80020	2.24	24	10	3.0	748	9.4	95	6.4	25	14.8
MAY													
20...	1400	1028	80020	2.12	17	10	8.7	750	8.7	97	6.4	26	19.8
JUN													
29...	1545	1028	80020	1.74	3.0	40	3.1	748	8.3	98	6.5	27	22.6
JUL													
20...	1230	1028	80020	1.87	6.3	10	3.6	744	9.0	105	6.5	27	21.5
AUG													
18...	1530	1028	80020	1.84	5.4	10	2.4	744	8.2	99	6.7	25	23.3
SEP													
14...	1045	1028	80020	1.94	8.8	10	4.2	745	8.3	93	6.4	28	20.0

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA—continued.

Date	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
OCT													
21...	7.7	--	9	1.83	.7	<.04	<.06	<.008	<.02	<.006	.005	.08	.1
NOV													
19...	3.7	--	4	2.15	2.1	E.02	.21	<.008	.10	<.006	.049	.53	1.0
DEC													
22...	7.0	--	8	1.90	1.0	<.04	.09	<.008	<.02	<.006	.005	.13	<.1
JAN													
21...	6.3	--	8	1.90	1.1	<.04	.10	<.008	<.02	<.006	.006	.12	<.1
FEB													
19...	6.3	--	8	1.82	1.3	<.04	.14	<.008	<.02	<.006	.008	.18	.2
MAR													
25...	--	7	9	1.80	.9	<.04	E.05	<.008	<.02	<.006	.007	.12	.1
APR													
15...	--	--	--	1.68	1.3	<.04	.13	<.008	<.02	<.006	.011	.21	.2
MAY													
20...	6.9	--	8	1.79	1.0	<.04	.14	<.008	.04	E.003	.019	.27	.5
JUN													
29...	--	8	9	1.93	.9	<.04	.11	<.008	<.02	<.006	.010	.18	.2
JUL													
20...	7.3	--	9	1.83	.8	<.04	.07	<.008	.03	<.006	.006	.13	.2
AUG													
18...	6.7	--	8	1.88	.5	<.04	.06	<.008	<.02	<.006	.011	.12	.2
SEP													
14...	9.0	--	11	1.86	.7	<.04	.53	<.008	.04	<.006	.008	.12	.3

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
OCT									
21...	.1	1.1	75	1	.04	1001	15.00	3070	30
NOV									
19...	.9	5.0	84	20	1.9	1001	15.00	3044	1
DEC									
22...	<.1	.7	91	3	.11	1001	15.00	3044	1
JAN									
21...	<.1	.7	67	.8	.03	1001	15.00	3044	1
FEB									
19...	.2	.8	91	2	.17	1001	15.00	3044	1
MAR									
25...	.1	1.2	58	3	.13	1001	15.00	3044	1
APR									
15...	.2	1.0	86	4	.25	1001	15.00	3044	30
MAY									
20...	.5	2.0	95	8	.37	1001	15.00	3044	1
JUN									
29...	.2	1.1	85	3	.03	1001	15.00	3070	1
JUL									
20...	.2	.9	60	2	.03	1001	15.00	3044	1
AUG									
18...	.2	1.0	--	23	.34	1001	15.00	3045	1
SEP									
14...	.3	1.2	--	23	.55	1001	15.00	3044	1

Date	Time	Agency analyzing sample, code (00028)	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
MAY								
27...	1230	80020	1.6	38	40.10	364	1.2	4.4

Remark codes used in this table:
< -- Less than
E -- Estimated value

APALACHICOLA RIVER BASIN
2004 Water Year

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°20'26", long 85°13'37", referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, 0.4 miles downstream of confluence of Red Oak Creek, 9.0 miles northwest of Franklin, 1.4 miles southwest of GA 100 on Thaxton Road.

DRAINAGE AREA.—16.8 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Atlanta Regional Commission.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.— 2001 to present. Current water year data: May 27, 2004 (invertebrates) and October 13, 2004 (fishes).

REMARKS.— Data collection protocols used are from the Revised Protocols for Sampling Algal, Invertebrate, and Fish Communities as Part of the National Water-Quality Assessment Program (USGS, Open File Report 02-150, 2002). The Biological Group of the USGS National Water Quality Laboratory identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 200 meters. Invertebrate data abbreviations: QMH-qualitative sample, RTH-quantitative sample, sp.-species, L-larvae, A-adult, P-pupae. Fish abbreviations: sp.-species, 11A-pass 1, 11B-pass 2, TL-total length, mm-millimeters, g-grams.

Invertebrates

Sample Type	Order	Family	Scientific Name	Lifestage	Abundance
QMH	Veneroida	Sphaeriidae	Pisidium sp.		1
QMH	Decapoda	Cambaridae	Cambaridae		1
QMH	Amphipoda	Hyalellidae	Hyalella azteca (Saussure)		1
QMH	Ephemeroptera	Ephemeridae	Hexagenia limbata (Serville)	L	1
QMH	Ephemeroptera	Caenidae	Caenis sp.	L	1
QMH	Ephemeroptera	Ephemerellidae	Attenella attenuata (McDunnough)	L	1
QMH	Ephemeroptera	Ephemerellidae	Eurylophella sp.	L	1
QMH	Ephemeroptera	Ephemerellidae	Serratella deficiens (Morgan)	L	1
QMH	Ephemeroptera	Baetidae	Baetidae	L	1
QMH	Ephemeroptera	Baetidae	Acentrella turbida (McDunnough)	L	1
QMH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	1
QMH	Ephemeroptera	Baetidae	Pseudocloeon sp.	L	1
QMH	Ephemeroptera	Heptageniidae	Heptageniidae	L	1
QMH	Ephemeroptera	Heptageniidae	Stenonema sp.	L	1
QMH	Odonata	Calopterygidae	Calopteryx maculata (Beauvois)	L	1
QMH	Odonata	Aeshnidae	Boyeria vinosa (Say)	L	1
QMH	Odonata	Gomphidae	Gomphus sp.	L	1
QMH	Odonata	Gomphidae	Hagenius brevistylus Selys	L	1
QMH	Odonata	Gomphidae	Progomphus sp.	L	1
QMH	Plecoptera	Leuctridae	Leuctra sp.	L	1
QMH	Plecoptera	Perlidae	Acroneuria sp.	L	1
QMH	Plecoptera	Perlidae	Perlesta sp.	L	1
QMH	Hemiptera	Nepidae	Ranatra buenoi Hungerford	A	1
QMH	Hemiptera	Veliidae	Rhagovelia obesa Uhler	L	1
QMH	Megaloptera	Corydalidae	Corydalus cornutus (Linnaeus)	L	1
QMH	Megaloptera	Sialidae	Sialis sp.	L	1
QMH	Trichoptera	Brachycentridae	Micrasema sp.	L	1
QMH	Trichoptera	Limnephilidae	Pycnopsyche sp.	L	1
QMH	Trichoptera	Leptoceridae	Leptoceridae	L	1
QMH	Coleoptera	Gyrinidae	Dineutus ciliatus (Forsberg)	A	1
QMH	Coleoptera	Gyrinidae	Gyrinus sp.	L	1
QMH	Coleoptera	Staphylinidae	Staphylinidae	L	1

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA —continued.

Sample Type	Order	Family	Scientific Name	Lifestage	Abundance
QMH	Coleoptera	Elmidae	Dubiraphia sp.	L	1
QMH	Coleoptera	Elmidae	Optioservus sp.	L	1
QMH	Coleoptera	Elmidae	Stenelmis sp.	L	1
QMH	Coleoptera	Psephenidae	Psephenus herricki (DeKay)	L	1
QMH	Coleoptera	Ptilodactylidae	Anchytarsus bicolor (Melsheimer)	L	1
QMH	Diptera	Ceratopogonidae	Ceratopogonidae	P	1
QMH	Diptera	Chironomidae	Chironomidae	L	1
QMH	Diptera	Chironomidae	Phaenopsectra/Tribelos sp.	L	1
QMH	Diptera	Chironomidae	Chironomus sp.	L	1
QMH	Diptera	Chironomidae	Cryptochironomus sp.	L	1
QMH	Diptera	Chironomidae	Parachironomus sp.	L	1
QMH	Diptera	Chironomidae	Phaenopsectra sp.	L	1
QMH	Diptera	Chironomidae	Polypedilum sp.	L	1
QMH	Diptera	Chironomidae	Robackia sp.	L	1
QMH	Diptera	Chironomidae	Tribelos sp.	L	1
QMH	Diptera	Chironomidae	Micropsectra/Tanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Cladotanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Rheotanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Cricotopus sp.	L	1
QMH	Diptera	Chironomidae	Parametriocnemus sp.	L	1
QMH	Diptera	Chironomidae	Rheocricotopus sp.	L	1
QMH	Diptera	Chironomidae	Tvetenia sp.	L	1
QMH	Diptera	Chironomidae	Ablabesmyia sp.	L	1
QMH	Diptera	Chironomidae	Labrundinia sp.	L	1
QMH	Diptera	Simuliidae	Simuliidae	L	1
RTH	Hemiptera	Veliidae	Rhagovelia obesa Uhler	A	1
RTH	Coleoptera	Dryopidae	Helichus basalis LeConte	A	1
RTH	Ephemeroptera	Caenidae	Caenis sp.	L	168
RTH	Ephemeroptera	Ephemerellidae	Serratella sp.	L	134
RTH	Ephemeroptera	Baetidae	Baetidae	L	34
RTH	Ephemeroptera	Baetidae	Baetidae	L	202
RTH	Ephemeroptera	Baetidae	Baetis flavistriga McDunnough	L	67
RTH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	202
RTH	Ephemeroptera	Baetidae	Plauditus sp.	L	101
RTH	Ephemeroptera	Heptageniidae	Heptageniidae	L	34
RTH	Ephemeroptera	Heptageniidae	Stenonema sp.	L	34
RTH	Ephemeroptera	Heptageniidae	Stenonema modestum (Banks)	L	2
RTH	Ephemeroptera	Isonychiidae	Isonychia sp.	L	236
RTH	Odonata	Gomphidae	Gomphidae	L	34
RTH	Plecoptera	Leuctridae	Leuctra sp.	L	101
RTH	Plecoptera	Peltoperlidae	Peltoperlidae	L	34
RTH	Plecoptera	Perlidae	Perlidae	L	168
RTH	Plecoptera	Perlidae	Perlesta sp.	L	103
RTH	Megaloptera	Corydalidae	Nigronia sp.	L	34
RTH	Megaloptera	Corydalidae	Corydalus cornutus (Linnaeus)	L	13
RTH	Trichoptera	Hydroptilidae	Mayatrichia sp.	L	67
RTH	Trichoptera	Hydropsychidae	Hydropsychidae	L	672
RTH	Trichoptera	Hydropsychidae	Ceratopsyche sp.	L	403
RTH	Trichoptera	Hydropsychidae	Ceratopsyche sparna (Ross)	L	68
RTH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	101
RTH	Trichoptera	Brachycentridae	Micrasema sp.	L	34
RTH	Coleoptera	Elmidae	Optioservus sp.	L	235
RTH	Coleoptera	Elmidae	Oulimnius latiusculus (LeConte)	L	101
RTH	Coleoptera	Elmidae	Promoresia sp.	L	67
RTH	Coleoptera	Psephenidae	Psephenus herricki (DeKay)	L	35
RTH	Coleoptera	Ptilodactylidae	Anchytarsus bicolor (Melsheimer)	L	67
RTH	Diptera	Chironomidae	Microtendipes sp.	L	34
RTH	Diptera	Chironomidae	Polypedilum sp.	L	67
RTH	Diptera	Chironomidae	Rheotanytarsus sp.	L	4637
RTH	Diptera	Chironomidae	Sublettea coffmani (Roback)	L	67
RTH	Diptera	Chironomidae	Tanytarsus sp.	L	34
RTH	Diptera	Chironomidae	Brillia sp.	L	34
RTH	Diptera	Chironomidae	Eukiefferiella sp.	L	34
RTH	Diptera	Chironomidae	Nanocladius sp.	L	34
RTH	Diptera	Chironomidae	Parametriocnemus sp.	L	34
RTH	Diptera	Chironomidae	Rheocricotopus sp.	L	34
RTH	Diptera	Chironomidae	Synorthocladius sp.	L	34
RTH	Diptera	Chironomidae	Tvetenia sp.	L	168
RTH	Diptera	Chironomidae	Thienemannimyia group sp. (Coffma	L	101
RTH	Diptera	Chironomidae	Nilotanypus sp.	L	34
RTH	Diptera	Simuliidae	Simuliidae	L	67
RTH	Diptera	Tipulidae	Tipula sp.	L	1
RTH	Diptera	Tipulidae	Antocha sp.	L	134

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA —continued.

Sample Type	Order	Family	Scientific Name	Lifestage	Abundance
RTH	Diptera	Empididae	Hemerodromia sp.	L	34
RTH	Diptera	Chironomidae	Chironominae	P	235
RTH			Megadrile		1
RTH	Lumbriculida	Lumbriculidae	Lumbriculidae		34
RTH	Tubificida	Naididae	Naididae		67
RTH	Enchytraeida	Enchytraeidae	Enchytraeidae		34
RTH			Acari		202

Fishes

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight(g)
Ameiurus brunneus	snail bullhead	11A	1216	1	66	3.7
Ameiurus brunneus	snail bullhead	11A	1216	1	64	2.8
Ameiurus brunneus	snail bullhead	11A	1216	1	60	3.6
Ameiurus brunneus	snail bullhead	11A	1216	1	106	13.9
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	110	13.3
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	52	1.4
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	99	11.1
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	53	2.5
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	94	9.6
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	93	8.1
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	86	7.6
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	124	18.6
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	48	2.1
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	50	2.4
Campostoma pauciradii	bluefin stoneroller	11A	1216	1	40	1.4
Hypentelium nigricans	northern hog sucker	11A	1216	1	185	62.5
Hypentelium nigricans	northern hog sucker	11A	1216	1	68	2.8
Hypentelium nigricans	northern hog sucker	11A	1216	1	71	4.2
Hypentelium nigricans	northern hog sucker	11A	1216	1	65	3.3
Hypentelium nigricans	northern hog sucker	11A	1216	1	60	3.3
Lepomis auritus	redbreast sunfish	11A	1216	1	64	3.9
Lepomis auritus	redbreast sunfish	11A	1216	1	84	9.7
Lepomis auritus	redbreast sunfish	11A	1216	1	26	0.3
Lepomis macrochirus	bluegill	11A	1216	1	50	1.7
Luxilus zonistius	bandfin shiner	11A	1216	1	28	0.2
Luxilus zonistius	bandfin shiner	11A	1216	1	48	1
Luxilus zonistius	bandfin shiner	11A	1216	1	70	3.1
Luxilus zonistius	bandfin shiner	11A	1216	1	80	4.8
Luxilus zonistius	bandfin shiner	11A	1216	1	36	0.5
Luxilus zonistius	bandfin shiner	11A	1216	1	54	1.5
Luxilus zonistius	bandfin shiner	11A	1216	1	27	0.3
Luxilus zonistius	bandfin shiner	11A	1216	1	55	2.5
Luxilus zonistius	bandfin shiner	11A	1216	1	60	1.9
Luxilus zonistius	bandfin shiner	11A	1216	1	48	1
Luxilus zonistius	bandfin shiner	11A	1216	1	24	0.1
Luxilus zonistius	bandfin shiner	11A	1216	1	25	0.2
Luxilus zonistius	bandfin shiner	11A	1216	1	65	2.4
Luxilus zonistius	bandfin shiner	11A	1216	1	49	1.1
Luxilus zonistius	bandfin shiner	11A	1216	1	53	1.4
Luxilus zonistius	bandfin shiner	11A	1216	1	25	0.1
Luxilus zonistius	bandfin shiner	11A	1216	1	28	0.2
Luxilus zonistius	bandfin shiner	11A	1216	1	29	0.2
Luxilus zonistius	bandfin shiner	11A	1216	1	49	0.9
Luxilus zonistius	bandfin shiner	11A	1216	1	98	9.9
Luxilus zonistius	bandfin shiner	11A	1216	1	90	6.3
Luxilus zonistius	bandfin shiner	11A	1216	1	45	0.6
Luxilus zonistius	bandfin shiner	11A	1216	1	34	0.3
Luxilus zonistius	bandfin shiner	11A	1216	1	24	0.2
Luxilus zonistius	bandfin shiner	11A	1216	1	80	5.2
Luxilus zonistius	bandfin shiner	11A	1216	1	52	1.1
Luxilus zonistius	bandfin shiner	11A	1216	1	56	1.4
Luxilus zonistius	bandfin shiner	11A	1216	1	55	1.7
Luxilus zonistius	bandfin shiner	11A	1216	1	45	0.8
Luxilus zonistius	bandfin shiner	11A	1216	1	30	0.3
Luxilus zonistius	bandfin shiner	11A	1216	264		391.8
Micropterus coosae	redeye bass	11A	1216	1	111	17.2
Micropterus coosae	redeye bass	11A	1216	1	84	8.8
Micropterus coosae	redeye bass	11A	1216	1	54	4.9
Micropterus coosae	redeye bass	11A	1216	1	95	10.2
Micropterus coosae	redeye bass	11A	1216	1	65	3.8
Micropterus coosae	redeye bass	11A	1216	1	65	3.2
Micropterus coosae	redeye bass	11A	1216	1	75	4.9

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA —continued.

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight(g)
Nocomis leptocephalus	bluehead chub	11A	1216	1	68	3
Nocomis leptocephalus	bluehead chub	11A	1216	1	60	3.4
Nocomis leptocephalus	bluehead chub	11A	1216	1	84	5.5
Nocomis leptocephalus	bluehead chub	11A	1216	1	66	3.5
Nocomis leptocephalus	bluehead chub	11A	1216	1	65	2.9
Nocomis leptocephalus	bluehead chub	11A	1216	1	63	2.7
Nocomis leptocephalus	bluehead chub	11A	1216	1	60	2.4
Nocomis leptocephalus	bluehead chub	11A	1216	1	58	2.1
Nocomis leptocephalus	bluehead chub	11A	1216	1	44	1.1
Nocomis leptocephalus	bluehead chub	11A	1216	1	130	26
Nocomis leptocephalus	bluehead chub	11A	1216	1	139	32.7
Nocomis leptocephalus	bluehead chub	11A	1216	1	125	25.1
Nocomis leptocephalus	bluehead chub	11A	1216	1	65	3.5
Nocomis leptocephalus	bluehead chub	11A	1216	1	60	2.8
Nocomis leptocephalus	bluehead chub	11A	1216	1	83	6.1
Nocomis leptocephalus	bluehead chub	11A	1216	1	60	2.6
Nocomis leptocephalus	bluehead chub	11A	1216	1	70	3.9
Nocomis leptocephalus	bluehead chub	11A	1216	1	60	2.8
Nocomis leptocephalus	bluehead chub	11A	1216	1	35	1.2
Nocomis leptocephalus	bluehead chub	11A	1216	1	35	1.2
Nocomis leptocephalus	bluehead chub	11A	1216	1	63	3
Nocomis leptocephalus	bluehead chub	11A	1216	1	110	15.4
Nocomis leptocephalus	bluehead chub	11A	1216	1	70	3.9
Nocomis leptocephalus	bluehead chub	11A	1216	1	65	3.6
Nocomis leptocephalus	bluehead chub	11A	1216	1	91	9.5
Nocomis leptocephalus	bluehead chub	11A	1216	1	70	3.9
Nocomis leptocephalus	bluehead chub	11A	1216	1	76	5.1
Nocomis leptocephalus	bluehead chub	11A	1216	1	70	4
Nocomis leptocephalus	bluehead chub	11A	1216	1	59	2.8
Nocomis leptocephalus	bluehead chub	11A	1216	1	60	2.7
Nocomis leptocephalus	bluehead chub	11A	1216	30		206.1
Percina nigrofasciata	blackbanded darter	11A	1216	1	57	2.3
Percina nigrofasciata	blackbanded darter	11A	1216	1	54	2
Percina nigrofasciata	blackbanded darter	11A	1216	1	58	2.2
Percina nigrofasciata	blackbanded darter	11A	1216	1	48	1.6
Percina nigrofasciata	blackbanded darter	11A	1216	1	64	2.6
Percina nigrofasciata	blackbanded darter	11A	1216	1	67	2.9
Percina nigrofasciata	blackbanded darter	11A	1216	1	31	1
Percina nigrofasciata	blackbanded darter	11A	1216	1	50	1.7
Percina nigrofasciata	blackbanded darter	11A	1216	1	54	1.7
Percina nigrofasciata	blackbanded darter	11A	1216	1	63	2.5
Percina nigrofasciata	blackbanded darter	11A	1216	1	64	2.9
Percina nigrofasciata	blackbanded darter	11A	1216	1	50	1.7
Percina nigrofasciata	blackbanded darter	11A	1216	1	48	1.6
Percina nigrofasciata	blackbanded darter	11A	1216	1	48	1.7
Percina nigrofasciata	blackbanded darter	11A	1216	1	45	1.4
Percina nigrofasciata	blackbanded darter	11A	1216	1	48	1.5
Percina nigrofasciata	blackbanded darter	11A	1216	1	52	1.8
Percina nigrofasciata	blackbanded darter	11A	1216	1	45	1.5
Percina nigrofasciata	blackbanded darter	11A	1216	1	55	1.9
Percina nigrofasciata	blackbanded darter	11A	1216	1	50	1.8
Percina nigrofasciata	blackbanded darter	11A	1216	1	47	1.5
Percina nigrofasciata	blackbanded darter	11A	1216	1	55	1.7
Percina nigrofasciata	blackbanded darter	11A	1216	1	44	1.3
Percina nigrofasciata	blackbanded darter	11A	1216	1	54	1.9
Percina nigrofasciata	blackbanded darter	11A	1216	1	54	1.8
Percina nigrofasciata	blackbanded darter	11A	1216	1	43	1.2
Percina nigrofasciata	blackbanded darter	11A	1216	1	45	1.5
Percina nigrofasciata	blackbanded darter	11A	1216	1	54	1.8
Percina nigrofasciata	blackbanded darter	11A	1216	1	73	4.1
Percina nigrofasciata	blackbanded darter	11A	1216	1	70	4
Percina nigrofasciata	blackbanded darter	11A	1216	1	41	1.4
Percina nigrofasciata	blackbanded darter	11A	1216	54		91
Campostoma pauciradii	bluefin stoneroller	11B	1240	1	106	10.1
Campostoma pauciradii	bluefin stoneroller	11B	1240	1	105	11.8
Campostoma pauciradii	bluefin stoneroller	11B	1240	1	47	1.6
Hypentelium nigricans	northern hog sucker	11B	1240	1	66	3.5
Hypentelium nigricans	northern hog sucker	11B	1240	1	68	3.5
Hypentelium nigricans	northern hog sucker	11B	1240	1	60	3.2
Hypentelium nigricans	northern hog sucker	11B	1240	1	115	17.3
Lepomis auritus	redbreast sunfish	11B	1240	1	27	0.6
Lepomis auritus	redbreast sunfish	11B	1240	1	107	20.4
Lepomis auritus	redbreast sunfish	11B	1240	1	98	15.6
Lepomis auritus	redbreast sunfish	11B	1240	1	63	4.5
Lepomis auritus	redbreast sunfish	11B	1240	1	31	1.1
Lepomis auritus	redbreast sunfish	11B	1240	1	25	0.9
Lepomis auritus	redbreast sunfish	11B	1240	1	25	0.8
Lepomis auritus	redbreast sunfish	11B	1240	1	31	1
Luxilus zonistius	bandfin shiner	11B	1240	107		200.6

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA —continued.

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight(g)
Micropterus coosae	redeye bass	11B	1240	1	99	10.9
Micropterus coosae	redeye bass	11B	1240	1	70	3.9
Micropterus coosae	redeye bass	11B	1240	1	50	1.6
Micropterus coosae	redeye bass	11B	1240	1	85	6.7
Micropterus coosae	redeye bass	11B	1240	1	205	104
Micropterus coosae	redeye bass	11B	1240	1	98	8.6
Micropterus coosae	redeye bass	11B	1240	1	104	11.8
Micropterus coosae	redeye bass	11B	1240	1	94	9.6
Micropterus coosae	redeye bass	11B	1240	1	81	6.3
Micropterus coosae	redeye bass	11B	1240	1	61	4.5
Micropterus coosae	redeye bass	11B	1240	1	63	2.9
Micropterus coosae	redeye bass	11B	1240	1	50	1.7
Micropterus coosae	redeye bass	11B	1240	1	94	8.5
Micropterus coosae	redeye bass	11B	1240	1	65	3.7
Micropterus coosae	redeye bass	11B	1240	1	48	1.6
Nocomis leptocephalus	bluehead chub	11B	1240	37		134
Percina nigrofasciata	blackbanded darter	11B	1240	53		78.3

APALACHICOLA RIVER BASIN
2004 Water Year

02338530 HILLABAHATCHEE CREEK AT GA 34, NEAR FRANKLIN, GA

LOCATION.—Lat 33°16'50", long 85°07'10", referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, located at GA 34 bridge crossing over Hillabahatchee Creek, 2.8 miles above confluence with the Chattahoochee River, 2.0 miles upstream of Talieson Creek, and 0.4 miles west of Franklin.

DRAINAGE AREA.—75.9 square miles.

COOPERATION.—Heard County Water Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—Miscellaneous streamflow measurements made between November 13, 1942 to October 28, 1952, and between October 18, 1978 to July 16, 2001. Staff gage from November 6, 2003 to September 30, 2004.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 660.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1.0 is effective January 1, 2000 to current year.

REMARKS.—Records fair. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
11/20/03	3.52	88.6
06/29/04	2.97	37.4
08/18/04	2.69	18.9

2004 Water Year

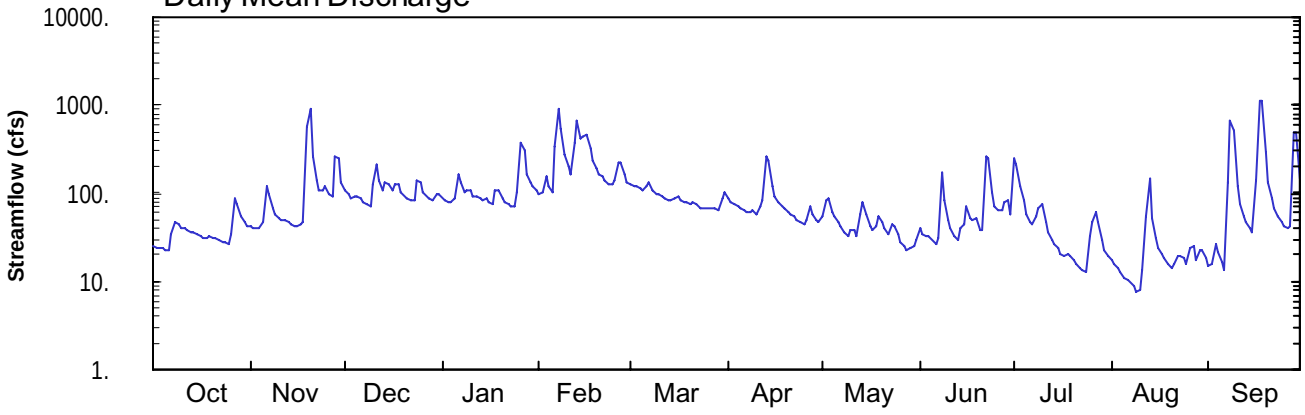
APALACHICOLA RIVER BASIN

02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA

Latitude: 33°14'07" Longitude: 084°59'16" Hydrologic Unit Code: 03130002

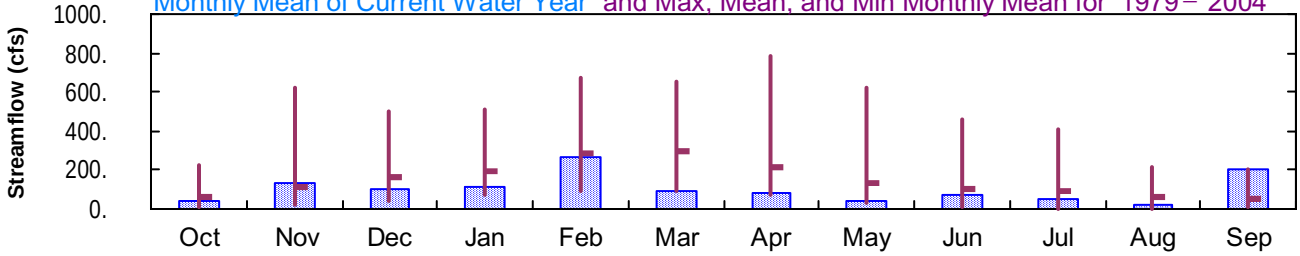
Heard County Datum: 634.68 feet Drainage Area: 127. mi²

Daily Mean Discharge

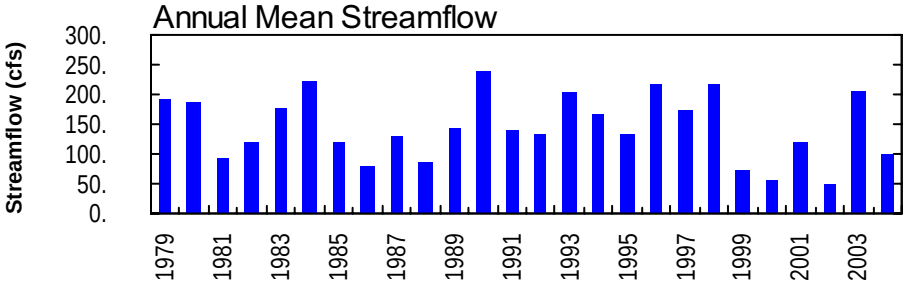


Monthly Statistics

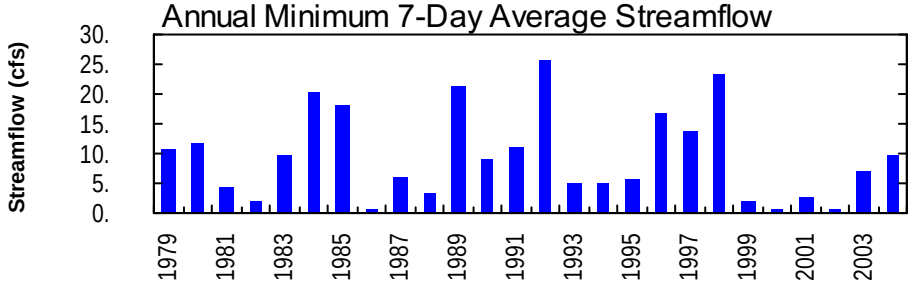
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1979 – 2004



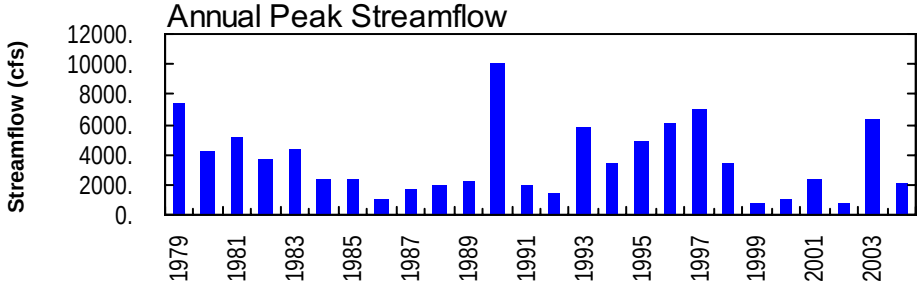
Annual Mean Streamflow

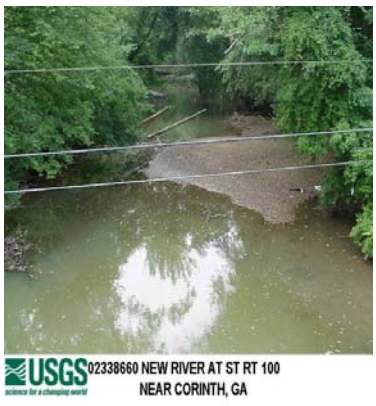


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2004 Water Year

02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA

LOCATION.—Lat 33°14'07", long 84°59'16", referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, at bridge on GA 100, 1.7 miles downstream of Caney Creek, 2.5 miles west of Corinth, 3.9 miles downstream of Mountain Creek, and 8.1 miles upstream of Chattahoochee River.

DRAINAGE AREA.—127 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1978 to current year.

REVISED RECORDS.—WDR GA-90-1: 1979(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 634.68 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 1,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/17	2215	2,070*	9.41*

No other peaks above base discharge

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1978 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 634.68 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.41 feet, September 17; minimum gage-height recorded, 2.82 feet, August 10.

02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 5, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331407 LONGITUDE 0845916 NAD27 DRAINAGE AREA 127 CONTRIBUTING DRAINAGE AREA 127* DATUM 634.68 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	41	109	87	98	127	90	56	39	251	17	15
2	24	41	95	83	102	123	81	83	35	211	16	16
3	24	41	88	80	153	120	75	90	32	120	14	27
4	24	41	91	79	122	112	72	63	33	84	13	21
5	23	48	95	88	102	109	67	54	30	59	11	16
6	23	122	86	161	345	121	64	47	27	48	10	14
7	35	100	79	134	901	136	62	42	31	46	9.7	136
8	46	67	75	101	549	107	62	37	176	56	8.7	661
9	44	57	73	106	280	97	64	32	83	67	7.5	506
10	40	53	127	110	205	96	59	38	51	77	8.1	122
11	40	50	217	94	167	91	72	38	39	47	13	73
12	39	49	139	93	383	88	81	33	33	35	56	56
13	37	48	108	88	665	85	268	58	30	30	148	46
14	35	44	134	84	420	84	236	79	39	27	52	40
15	34	43	129	87	447	88	118	59	45	23	31	36
16	32	43	107	81	471	91	92	43	71	21	24	144
17	31	45	124	76	323	85	79	38	53	20	20	1130
18	32	47	126	106	239	79	71	42	49	20	18	1150
19	32	585	103	110	194	78	67	55	53	20	16	298
20	31	927	92	87	168	76	60	47	38	17	14	134
21	31	261	87	80	155	78	57	41	39	15	16	88
22	30	139	84	76	140	74	54	34	267	14	19	67
23	28	109	84	73	127	69	51	44	251	13	19	54
24	28	110	140	71	127	68	48	42	102	13	19	48
25	27	120	135	103	137	67	45	35	73	33	16	43
26	34	96	103	378	228	67	50	28	64	47	24	39
27	89	95	92	314	224	68	70	25	63	62	25	41
28	74	262	87	166	160	66	58	23	78	47	17	488
29	55	245	84	131	137	65	49	24	82	29	23	498
30	48	136	99	118	---	89	47	26	58	23	22	151
31	43	---	100	108	---	104	---	30	---	20	18	---
TOTAL	1138	4065	3292	3553	7769	2808	2369	1386	2064	1595	725.0	6158
MEAN	36.7	136	106	115	268	90.6	79.0	44.7	68.8	51.5	23.4	205
MAX	89	927	217	378	901	136	268	90	267	251	148	1150
MIN	23	41	73	71	98	65	45	23	27	13	7.5	14
CFSM	0.29	1.07	0.84	0.90	2.11	0.71	0.62	0.35	0.54	0.41	0.18	1.62
IN.	0.33	1.19	0.96	1.04	2.28	0.82	0.69	0.41	0.60	0.47	0.21	1.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	60.6	117	160	195	282	292	212	133	100	91.2	61.2	53.5
MAX	222	622	502	510	672	653	786	621	455	406	213	205
(WY)	1990	1993	1984	1990	1990	1990	1979	2003	2003	1994	1984	2004
MIN	5.11	20.2	42.0	67.2	87.4	90.6	70.6	35.2	10.6	2.67	2.76	5.65
(WY)	2001	2002	2002	1981	2000	2004	1986	2000	2000	2000	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	76284		36922.0			
ANNUAL MEAN	209		101		146	
HIGHEST ANNUAL MEAN					241	1990
LOWEST ANNUAL MEAN					50.1	2002
HIGHEST DAILY MEAN	5210	May 8	1150	Sep 18	7740	Mar 17 1990
LOWEST DAILY MEAN	22	Sep 21	7.5	Aug 9	0.24	Aug 7 1986
ANNUAL SEVEN-DAY MINIMUM	24	Sep 30	9.7	Aug 4	0.62	Sep 7 2002
MAXIMUM PEAK FLOW			2070	Sep 17	10000	Mar 17 1990
MAXIMUM PEAK STAGE			9.41	Sep 17	17.17	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.65		0.794		1.15	
ANNUAL RUNOFF (INCHES)	22.34		10.81		15.59	
10 PERCENT EXCEEDS	360		181		298	
50 PERCENT EXCEEDS	107		67		82	
90 PERCENT EXCEEDS	35		21		16	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331407 LONGITUDE 0845916 NAD27 DRAINAGE AREA 127 CONTRIBUTING DRAINAGE AREA 127* DATUM 634.68 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.66	4.04	5.08	4.79	4.94	5.12	4.67	4.16	3.85	6.08	3.30	3.21
2	3.63	4.03	4.91	4.73	4.99	5.08	4.55	4.58	3.76	5.80	3.24	3.25
3	3.64	4.02	4.80	4.69	5.56	5.05	4.47	4.67	3.71	5.05	3.19	3.58
4	3.62	4.02	4.84	4.68	5.23	4.96	4.42	4.27	3.72	4.59	3.13	3.42
5	3.59	4.16	4.90	4.80	4.99	4.92	4.34	4.12	3.64	4.21	3.06	3.26
6	3.59	5.22	4.77	5.64	6.22	5.06	4.30	4.00	3.57	4.02	3.02	3.17
7	3.88	4.95	4.67	5.36	7.99	5.22	4.26	3.91	3.63	3.97	2.98	4.80
8	4.12	4.50	4.62	4.98	7.15	4.89	4.26	3.80	5.54	4.15	2.93	7.46
9	4.09	4.32	4.59	5.05	6.24	4.78	4.30	3.71	4.57	4.34	2.88	6.94
10	4.01	4.24	5.22	5.10	5.81	4.75	4.21	3.83	4.06	4.49	2.90	5.06
11	3.99	4.19	6.07	4.89	5.52	4.69	4.41	3.83	3.86	3.99	3.15	4.44
12	3.97	4.17	5.42	4.87	6.56	4.65	4.56	3.72	3.72	3.77	4.05	4.16
13	3.93	4.15	5.07	4.81	7.50	4.61	6.08	4.18	3.65	3.64	5.31	3.99
14	3.90	4.09	5.36	4.75	6.81	4.59	5.95	4.52	3.85	3.58	4.08	3.87
15	3.87	4.07	5.31	4.78	6.90	4.65	5.02	4.20	3.96	3.48	3.67	3.78
16	3.82	4.07	5.05	4.71	6.98	4.69	4.71	3.92	4.41	3.41	3.50	4.78
17	3.80	4.10	5.25	4.63	6.43	4.61	4.52	3.83	4.11	3.38	3.39	8.17
18	3.82	4.14	5.28	5.03	6.03	4.52	4.40	3.91	4.03	3.39	3.31	8.28
19	3.82	7.15	5.00	5.09	5.73	4.51	4.34	4.14	4.10	3.37	3.23	6.27
20	3.81	8.02	4.86	4.79	5.53	4.48	4.23	4.01	3.82	3.29	3.19	5.24
21	3.79	6.23	4.78	4.69	5.40	4.51	4.18	3.88	3.83	3.23	3.25	4.72
22	3.77	5.42	4.75	4.63	5.26	4.46	4.13	3.75	6.13	3.18	3.35	4.43
23	3.74	5.08	4.75	4.58	5.13	4.37	4.06	3.93	5.99	3.15	3.36	4.24
24	3.72	5.09	5.42	4.56	5.13	4.36	4.01	3.91	4.84	3.12	3.33	4.14
25	3.71	5.21	5.37	4.96	5.23	4.35	3.97	3.75	4.43	3.61	3.24	4.05
26	3.86	4.92	5.00	6.74	5.94	4.35	4.05	3.60	4.29	4.00	3.48	3.98
27	4.81	4.89	4.86	6.49	5.93	4.36	4.39	3.53	4.28	4.25	3.51	4.02
28	4.60	6.27	4.79	5.69	5.45	4.33	4.19	3.47	4.51	3.99	3.30	6.66
29	4.27	6.18	4.74	5.33	5.23	4.32	4.03	3.51	4.57	3.64	3.46	6.97
30	4.15	5.39	4.95	5.19	---	4.65	3.99	3.54	4.19	3.47	3.45	5.46
31	4.07	---	4.97	5.07	---	4.86	---	3.64	---	3.37	3.32	---
MEAN	3.90	4.88	5.01	5.04	5.92	4.67	4.43	3.93	4.22	3.90	3.37	4.86
MAX	4.81	8.02	6.07	6.74	7.99	5.22	6.08	4.67	6.13	6.08	5.31	8.28
MIN	3.59	4.02	4.59	4.56	4.94	4.32	3.97	3.47	3.57	3.12	2.88	3.17

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331407 LONGITUDE 0845916 NAD27 DRAINAGE AREA 127 CONTRIBUTING DRAINAGE AREA 127* DATUM 634.68 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.26	0.00	0.26	0.01	0.17
2	0.00	0.00	0.00	0.00	0.51	0.10	0.00	0.20	0.00	0.03	0.00	0.02
3	0.00	0.00	0.09	0.00	0.02	0.00	0.00	0.00	0.08	0.00	0.00	0.11
4	0.00	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
5	0.00	0.43	0.01	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
6	0.26	0.05	0.00	0.01	2.15	0.29	0.00	0.00	0.00	0.43	0.00	0.31
7	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	2.38
8	0.04	0.00	0.00	0.04	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.02
9	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.03	0.01	0.01	0.00	0.00
10	0.08	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00
11	0.00	0.00	0.00	0.00	0.21	0.00	0.44	0.01	0.00	0.00	0.00	0.03
12	0.00	0.00	0.00	0.00	1.01	0.00	0.55	0.26	0.00	0.00	1.72	0.01
13	0.00	0.00	0.41	0.00	0.00	0.00	0.16	0.34	0.16	0.00	0.00	0.00
14	0.01	0.00	0.05	0.00	0.49	0.00	0.00	0.00	0.19	0.25	0.00	0.00
15	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.91	0.00	0.00	0.00
16	0.00	0.00	0.26	0.00	0.00	0.02	0.00	0.00	0.09	0.00	0.00	3.25
17	0.02	0.00	0.06	0.36	0.01	0.00	0.00	0.00	0.01	0.06	0.00	0.16
18	0.00	1.95	0.00	0.03	0.00	0.00	0.00	1.39	0.00	0.01	0.00	0.00
19	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00
21	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	1.19	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.27	0.00	0.17	0.00
23	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
24	0.00	0.45	0.00	0.02	0.11	0.00	0.00	0.00	0.03	0.07	0.00	0.00
25	0.00	0.00	0.00	1.24	0.38	0.00	0.00	0.00	0.03	0.14	0.06	0.00
26	0.78	0.00	0.00	0.07	0.49	0.00	0.49	0.00	0.00	0.14	0.01	0.00
27	0.01	1.04	0.00	0.01	0.00	0.00	0.00	0.00	0.53	0.50	0.00	0.85
28	0.00	0.10	0.00	0.00	0.01	0.00	0.00	0.20	0.30	0.00	0.00	0.00
29	0.01	0.00	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.22	0.00
30	0.00	0.00	0.14	0.00	---	0.51	0.12	0.01	0.44	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.20	---	0.51	---	0.10	0.00	---
TOTAL	1.39	5.26	2.74	2.57	5.74	1.24	1.93	3.25	4.51	2.17	3.23	7.31

02338840 YELLOWJACKET CREEK AT HAMMETT ROAD, NEAR HOGANSVILLE, GA

LOCATION.—Lat 33°08'22", long 84°58'31", referenced to North American Datum (NAD) of 1927, Troup County, Hydrologic Unit 03130002, at the bridge on Hammett Road, 0.7 miles downstream from confluence with Flat Creek, 6.9 miles upstream from confluence with Beech Creek, and 5.8 miles southwest of Hogansville.

DRAINAGE AREA.—91.0 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1978 to November 7, 1985, March 1991 to December 1992, October 1, 2003 to September 30, 2004.

GAGE.—Crest-stage partial-record gage. Datum of gage is 640.93 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 10.71 feet, April 21, 1982
DISCHARGE: 3,990 cfs, April 21, 1982

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.61 feet, September 17
DISCHARGE: 1,280 cfs, September 17

APALACHICOLA RIVER BASIN
2004 Water Year

02339400 WEST POINT LAKE NEAR WEST POINT, GA

LOCATION.—Lat 32°55'05", long 85°11'17" referenced to North American Datum (NAD) of 1927, Troup County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 2.3 miles upstream from Oseligee Creek, 3.0 miles north of West Point, 3.2 miles upstream from bridge on US 29, and at mile 201.4.

REMARKS.-- Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

2004 Water Year

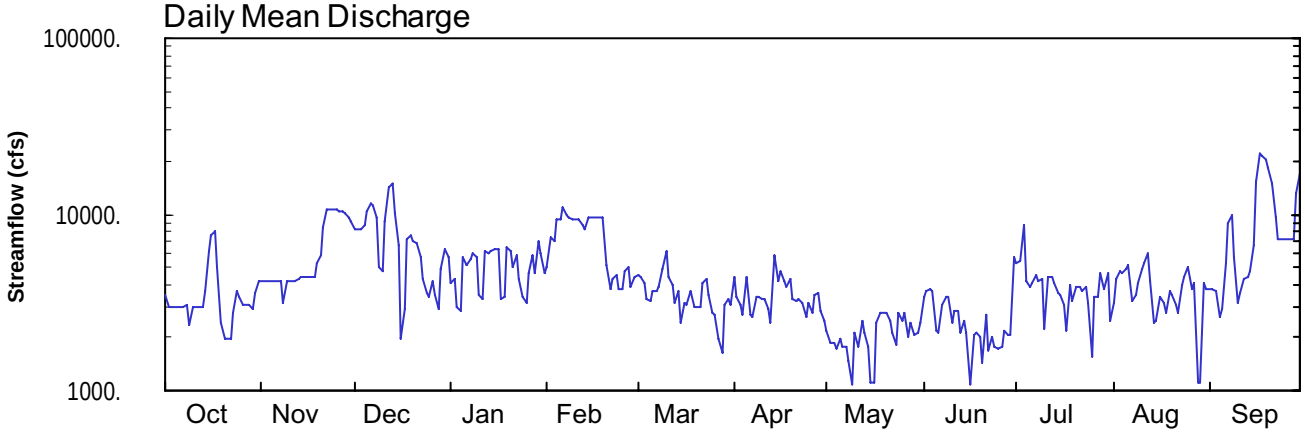
APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA

Latitude: 32°53'10" Longitude: 085°10'56" Hydrologic Unit Code: 03130002

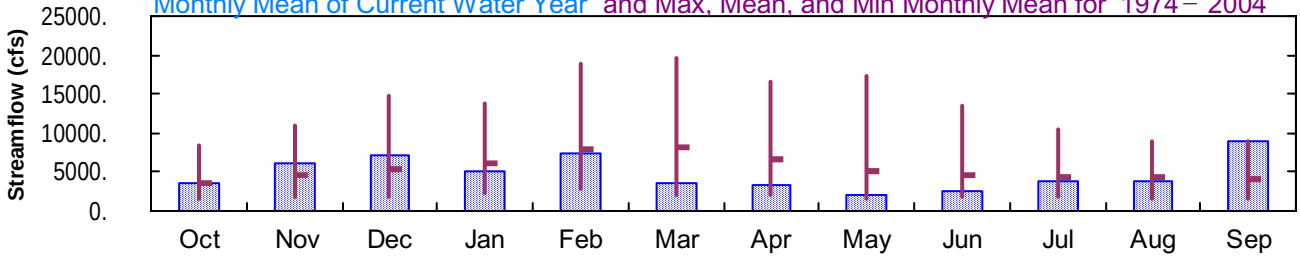
Troup County Datum: 551.67 feet Drainage Area: 3550. mi²

Daily Mean Discharge

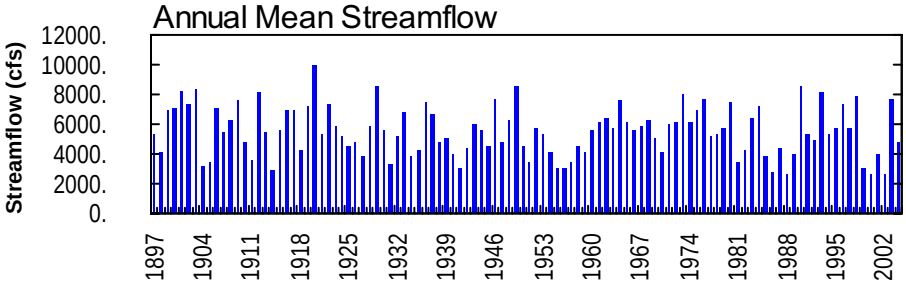


Monthly Statistics

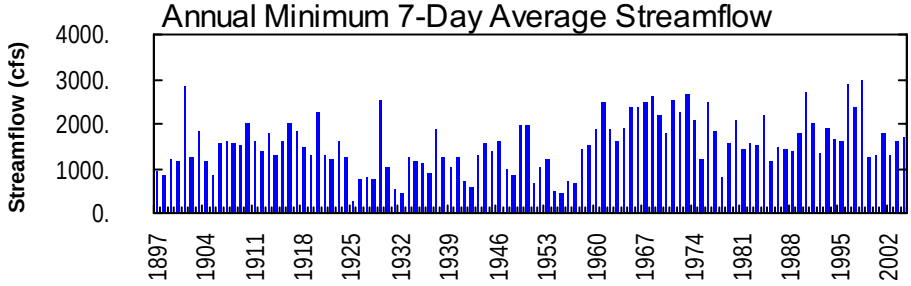
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1974 – 2004

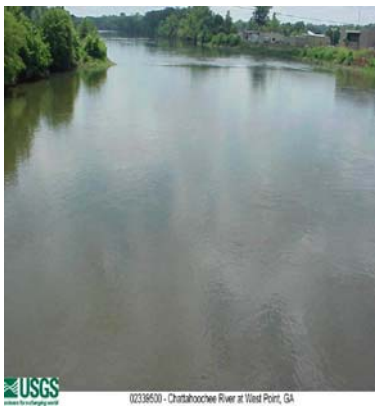


Annual Mean Streamflow

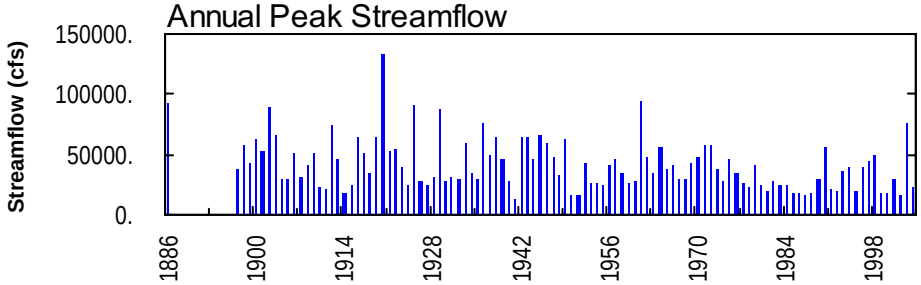


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA

LOCATION.—Lat 32°53'10", long 85°10'56", referenced to North American Datum (NAD) of 1927, Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oseligee Creek at West Point, 1.0 mile upstream from bridge on US 29, 2.5 miles downstream from West Point Dam and at mile 198.9.

DRAINAGE AREA.—3,550 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1896 to current year.

REVISED RECORDS.—WSP 682: 1920, drainage area; WSP 972: 1931-32; WSP 1504: 1912, 1916-17.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 551.67 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 20, 1912, a non-recording gage was located at site 0.8 miles downstream at datum 2.83 feet lower. From October 20, 1912, to January 25, 1925, a non-recording gage was located at site 500.00 feet upstream at present datum.

REMARKS.—Records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1827, that of December 10, 1919. Flood in 1886 reached a stage of 25.6 feet at former site and datum, from flood marks by National Weather Service; corresponding discharge was 92,800 cfs.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1896 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 551.67 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 20, 1912, a non-recording gage was located at site 0.8 miles downstream at datum 2.83 feet lower. From October 20, 1912, to January 25, 1925, a non-recording gage was located at site 500 feet upstream at present datum.

REMARKS.—Records good. Gage-height records collected at site 0.8 miles downstream since 1899 are contained in reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.91 feet, September 17; minimum gage-height recorded, 2.02 feet, August 1, 2.

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 10, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 285
LATITUDE 325310 LONGITUDE 0851056 NAD27 DRAINAGE AREA 3550.00* CONTRIBUTING DRAINAGE AREA DATUM 551.67 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3440	4140	8190	4110	4960	4500	4440	2190	3430	5340	3130	3800
2	3010	4140	8150	4320	7350	4420	3390	1880	3690	5490	4250	3770
3	3020	4140	8140	2970	6980	4100	3090	1850	3730	8600	4720	3650
4	3020	4140	8680	2860	9390	3300	2660	1750	3690	4240	4600	2590
5	3020	4170	10500	5700	9410	3210	4400	1970	2150	3890	4870	2910
6	3020	4170	11500	5140	10900	3640	2650	1790	2120	4100	5170	5360
7	3020	4180	11400	5630	9770	3680	2590	1790	3080	4560	3200	9000
8	3030	3160	9510	6040	9530	3820	3360	1470	3380	4210	3530	9970
9	2380	4190	4970	5750	9460	4930	3440	1090	3370	4250	4060	5690
10	3020	4190	4760	3460	9450	6180	3330	2150	2400	2260	4930	3140
11	3020	4180	9120	3290	9460	4400	3290	1780	2820	4390	5330	3550
12	3020	4180	14400	6210	8750	3960	2940	2460	2820	4410	6020	4290
13	3020	4280	14900	6020	8320	3150	2430	2100	2120	4060	4160	4370
14	3640	4360	10000	6170	9550	3670	5900	1780	2500	3550	2440	4710
15	6140	4370	6750	6390	9580	2430	4140	1110	2150	3490	2460	6630
16	7560	4370	1940	6410	9560	3150	4720	1100	1080	3080	3370	15300
17	8100	4370	2930	3340	9510	3050	4220	2440	2080	2160	3130	22300
18	4990	4380	7280	3360	9500	3670	3870	2760	2140	3980	2770	21300
19	2440	5340	7650	6570	9540	3020	4270	2760	2030	3260	3690	20400
20	1980	5830	7120	6110	5150	2960	3330	2740	1430	3860	3520	18200
21	1980	8500	6790	5040	3730	3000	3260	2480	2680	3820	3070	14800
22	1980	10700	5740	5910	4290	4130	3300	2110	1700	3700	2770	9740
23	2720	10600	4290	4280	4550	4310	3170	1810	2020	3820	3990	7230
24	3680	10600	3600	3360	3770	3470	2590	2790	1760	3130	4370	7230
25	3390	10500	3420	3100	3810	2730	3150	2460	1750	1560	4980	7240
26	3040	10500	4220	4650	4800	2700	2760	2780	1770	3420	3800	7230
27	3070	10400	3530	5880	4980	1980	3450	2040	2160	3390	4120	7260
28	3090	10100	2900	4610	3880	1660	3560	2420	2060	4680	1120	7290
29	2910	9510	4910	7080	4350	3040	2860	2060	2070	3810	1120	13100
30	3560	9140	6410	5950	---	3310	2470	2120	5710	4680	4100	16900
31	4140	---	5760	4620	---	3070	---	2440	---	2490	3790	---
TOTAL	107450	186830	219460	154330	214280	108640	103030	64470	75890	121680	116580	268950
MEAN	3466	6228	7079	4978	7389	3505	3434	2080	2530	3925	3761	8965
MAX	8100	10700	14900	7080	10900	6180	5900	2790	5710	8600	6020	22300
MIN	1980	3160	1940	2860	3730	1660	2430	1090	1080	1560	1120	2590
CFSM	0.98	1.75	1.99	1.40	2.08	0.99	0.97	0.59	0.71	1.11	1.06	2.53
IN.	1.13	1.96	2.30	1.62	2.25	1.14	1.08	0.68	0.80	1.28	1.22	2.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	3673	4560	5479	6216	7858	8037	6520	5192	4577	4421	4444	4035
MAX	8536	10950	14880	13730	18980	19540	16480	17380	13630	10560	8890	8965
(WY)	1990	1993	1993	1993	1990	1990	1979	2003	2003	1994	1984	2004
MIN	1584	1816	1867	2170	2766	1921	1961	1423	1807	1672	1585	1606
(WY)	1999	2000	1982	1986	1989	1988	1988	1999	1978	1988	1986	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1974 - 2004	
ANNUAL TOTAL	2879460		1741590			
ANNUAL MEAN	7889		4758		5405	
HIGHEST ANNUAL MEAN					8501	1990
LOWEST ANNUAL MEAN					2644	1988
HIGHEST DAILY MEAN	66600	May 9	22300	Sep 17	66600	May 9 2003
LOWEST DAILY MEAN	1160	Jan 19	1080	Jun 16	516	Sep 12 1993
ANNUAL SEVEN-DAY MINIMUM	2600	Oct 19	1670	May 3	778	Jul 31 1978
MAXIMUM PEAK FLOW			22800	Sep 17	94400	Feb 26 1961
MAXIMUM PEAK STAGE			10.91	Sep 17	24.90	Feb 26 1961
ANNUAL RUNOFF (CFSM)	2.22		1.34		1.52	
ANNUAL RUNOFF (INCHES)	30.17		18.25		20.69	
10 PERCENT EXCEEDS	14800		9450		10300	
50 PERCENT EXCEEDS	5370		3820		4390	
90 PERCENT EXCEEDS	3020		2110		848	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 285
LATITUDE 325310 LONGITUDE 0851056 NAD27 DRAINAGE AREA 3550.00* CONTRIBUTING DRAINAGE AREA DATUM 551.67 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.66	3.98	5.70	3.81	4.20	3.98	3.98	2.88	3.46	4.39	3.23	3.63
2	3.46	3.98	5.68	3.89	5.28	3.95	3.48	2.74	3.55	4.41	3.78	3.62
3	3.46	3.98	5.68	3.27	5.09	3.81	3.34	2.72	3.59	5.87	4.07	3.56
4	3.46	3.98	5.90	3.19	6.18	3.40	3.11	2.66	3.58	3.83	3.99	3.09
5	3.46	3.99	6.59	4.52	6.19	3.36	3.93	2.78	2.87	3.66	4.15	3.25
6	3.46	3.99	6.99	4.27	6.74	3.56	3.13	2.68	2.84	3.72	4.30	4.37
7	3.46	4.00	6.95	4.50	6.33	3.59	3.10	2.68	3.28	3.96	3.38	6.03
8	3.46	3.47	6.20	4.69	6.24	3.68	3.46	2.52	3.42	3.82	3.53	6.38
9	3.10	4.01	4.32	4.56	6.21	4.18	3.51	2.32	3.41	3.83	3.75	4.53
10	3.46	4.00	4.23	3.51	6.20	4.76	3.45	2.87	2.95	2.85	4.14	3.34
11	3.46	4.00	6.04	3.42	6.20	3.94	3.43	2.67	3.19	3.88	4.35	3.55
12	3.46	4.00	8.04	4.76	5.90	3.73	3.23	3.00	3.18	3.88	4.67	3.90
13	3.46	4.04	8.24	4.68	5.71	3.36	3.04	2.85	2.83	3.71	3.81	3.91
14	3.75	4.08	6.42	4.76	6.24	3.60	4.60	2.68	3.02	3.49	2.99	4.06
15	4.84	4.08	5.00	4.84	6.26	2.99	3.83	2.33	2.85	3.45	3.00	4.96
16	5.44	4.08	2.78	4.86	6.24	3.35	4.11	2.33	2.31	3.21	3.42	8.34
17	5.67	4.08	3.25	3.44	6.23	3.32	3.83	2.98	2.82	2.76	3.32	10.78
18	4.34	4.08	5.22	3.46	6.22	3.61	3.66	3.13	2.85	3.74	3.14	10.45
19	3.18	4.50	5.41	4.90	6.24	3.30	3.85	3.13	2.78	3.36	3.59	10.14
20	2.95	4.71	5.16	4.72	4.25	3.25	3.44	3.12	2.49	3.65	3.51	9.44
21	2.95	5.79	5.02	4.23	3.63	3.27	3.40	3.01	3.09	3.61	3.28	8.32
22	2.95	6.67	4.55	4.64	3.90	3.82	3.43	2.83	2.61	3.52	3.14	6.53
23	3.32	6.65	3.87	3.90	4.02	3.89	3.33	2.69	2.77	3.61	3.72	5.61
24	3.77	6.63	3.56	3.44	3.65	3.52	3.08	3.15	2.65	3.26	3.89	5.61
25	3.63	6.63	3.47	3.32	3.68	3.15	3.34	2.99	2.64	2.48	4.19	5.61
26	3.47	6.61	3.83	4.07	4.12	3.15	3.14	3.14	2.65	3.39	3.64	5.61
27	3.49	6.59	3.54	4.64	4.22	2.80	3.47	2.79	2.86	3.37	3.79	5.62
28	3.49	6.47	3.21	4.02	3.69	2.65	3.55	2.97	2.79	4.01	2.35	5.63
29	3.41	6.23	4.15	5.18	3.94	3.31	3.19	2.80	2.79	3.60	2.35	7.67
30	3.71	6.08	4.85	4.64	---	3.44	3.01	2.83	4.49	4.00	3.77	9.01
31	3.98	---	4.56	4.04	---	3.33	---	2.98	---	2.94	3.63	---
MEAN	3.65	4.85	5.11	4.20	5.28	3.52	3.48	2.81	3.02	3.65	3.61	5.88
MAX	5.67	6.67	8.24	5.18	6.74	4.76	4.60	3.15	4.49	5.87	4.67	10.78
MIN	2.95	3.47	2.78	3.19	3.63	2.65	3.01	2.32	2.31	2.48	2.35	3.09

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 285
LATITUDE 325310 LONGITUDE 0851056 NAD27 DRAINAGE AREA 3550.00* CONTRIBUTING DRAINAGE AREA DATUM 551.67 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.00	0.00	---	0.00	0.58	0.00	0.43	0.00	1.30
2	---	0.00	0.00	0.00	0.22	0.00	0.00	0.40	0.00	0.16	0.00	0.17
3	---	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.32	0.00	0.00	0.10
4	---	0.11	0.31	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	---	1.59	0.01	0.55	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00
6	---	0.02	0.00	0.00	1.57	0.24	0.00	0.00	0.00	0.00	0.00	0.77
7	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.00	1.29
8	---	0.00	0.00	0.07	0.00	0.00	0.92	0.00	0.00	0.01	0.00	0.00
9	---	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	---	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.00
11	---	0.00	0.00	0.00	0.26	0.00	0.00	0.04	0.00	0.00	0.00	0.05
12	---	0.00	0.00	0.00	0.92	0.00	0.89	0.68	0.00	0.11	0.31	0.00
13	---	0.00	0.34	0.00	0.00	0.00	0.14	0.00	0.17	0.00	0.00	0.00
14	---	0.00	0.07	0.00	0.38	0.00	0.00	0.00	0.17	0.00	0.00	0.00
15	---	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.09	0.00	0.00	0.00
16	---	0.00	0.34	0.00	0.00	0.31	0.00	0.00	0.00	0.07	0.00	0.73
17	---	0.01	0.05	0.41	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.08
18	---	1.47	0.00	0.09	0.00	0.00	0.00	0.00	0.75	0.67	0.00	0.04
19	---	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
20	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.02
21	---	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.01	0.00	0.00	0.03
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.02
23	0.00	0.00	0.69	0.00	0.19	0.00	0.00	0.01	0.44	0.00	0.00	0.01
24	0.00	0.39	0.00	0.05	---	0.00	0.00	0.00	0.35	1.45	0.37	0.01
25	0.00	0.00	0.00	0.98	---	0.00	0.00	0.00	0.56	0.04	0.50	0.01
26	0.06	0.00	0.00	0.12	---	0.00	0.46	0.00	0.38	0.25	0.00	0.00
27	0.00	0.90	0.00	0.01	---	0.00	0.00	0.00	0.18	0.00	0.00	0.01
28	0.00	0.25	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.40	0.01
29	0.00	0.00	0.19	0.00	---	0.00	0.02	0.04	0.00	0.08	0.83	0.00
30	0.00	0.00	0.06	0.00	---	0.19	0.28	0.00	0.00	0.00	0.03	0.03
31	0.00	---	0.00	0.00	---	0.40	---	0.44	---	0.00	0.01	---
TOTAL	---	6.23	3.10	2.43	---	---	2.72	3.21	3.43	6.34	3.97	4.72

APALACHICOLA RIVER BASIN
2004 Water Year

02340250 FLAT SHOAL CREEK AT GA 18, NEAR WEST POINT, GA

LOCATION.—Lat 32°52'53", long 85°04'41", referenced to North American Datum (NAD) of 1927, Troup County, Hydrologic Unit 03130002, at GA 18, 5.0 miles east of Interstate 85, near West Point.

DRAINAGE AREA.—204 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1948 to 1949, 1961, 1969, 1971, 1981, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 566.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—

STAGE: 35.0 feet (estimated), May 8, 2003
DISCHARGE: 17,700 cfs (estimated), May 8, 2003

MAXIMUM FOR CURRENT YEAR.—

STAGE: 10.57 feet, September 16
DISCHARGE: 2,010 cfs, September 16

APALACHICOLA RIVER BASIN
2004 Water Year

02341000 LAKE HARDING NEAR COLUMBUS, GA

LOCATION.—Lat 32°39'46", long 85°05'27" referenced to North American Datum (NAD) of 1927, Harris County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 3.3 miles upstream from Mulberry Creek, 15.0 miles northwest of Columbus, and at mile 178.0.

REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

APALACHICOLA RIVER BASIN
2004 Water Year

02341220 MULBERRY CREEK NEAR MULBERRY GROVE, GA

LOCATION.—Lat 32°42'11", long 84°57'29", referenced to North American Datum (NAD) of 1927, Harris County, Hydrologic Unit 03130002, at county bridge on Hamilton-Mulberry Grove Road, near Mulberry Grove.

DRAINAGE AREA.—190 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 490.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 27.74 feet, March 17, 1990
DISCHARGE: 21,000 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 9.78 feet, September 17
DISCHARGE: 1,900 cfs, September 17

2004 Water Year

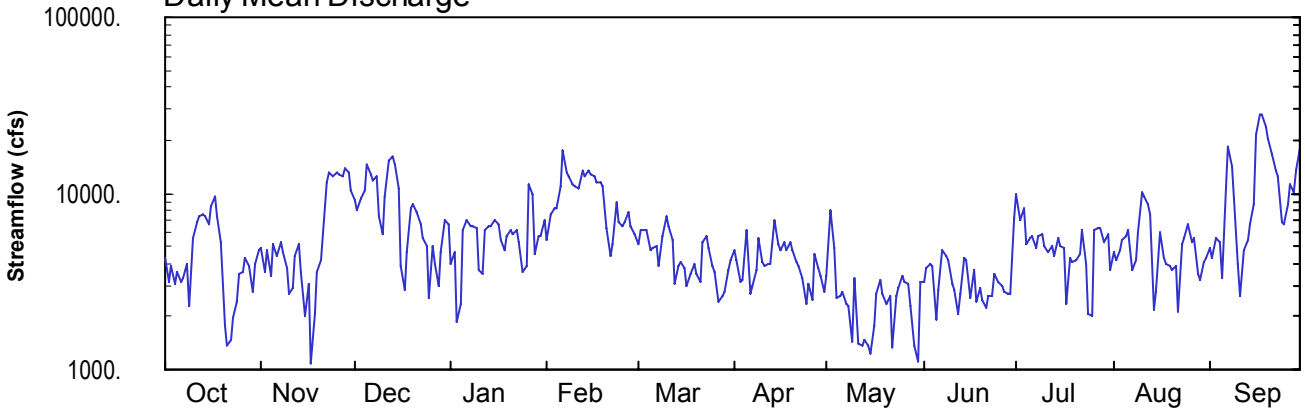
APALACHICOLA RIVER BASIN

02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA

Latitude: 32°27'11" Longitude: 084°59'43" Hydrologic Unit Code: 03130003

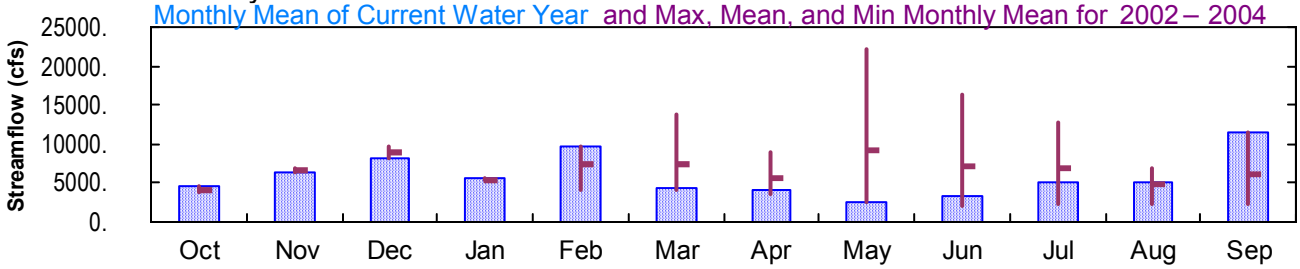
Muscogee County Datum: 183.14 feet Drainage Area: 4670. mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA

LOCATION.—Lat 32°27'11", long 84°59'43", referenced to North American Datum (NAD) of 1927, Muscogee County, Hydrologic Unit 03130003, on downstream side of bridge on US 280.

DRAINAGE AREA.—4,670 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 183.14 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1929.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1, 1994 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 183.14 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.99 feet, September 17; minimum gage-height recorded, 3.80 feet, January 25.

WATER-VELOCITY RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Acoustic velocity meter. Data represents the average water velocity at the downstream cross-section of the bridge with positive values in the downstream direction.

REMARKS.—Records fair.

02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 215
LATITUDE 322711 LONGITUDE 0845943 NAD27 DRAINAGE AREA 4670.00* CONTRIBUTING DRAINAGE AREA DATUM 183.14 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4310	4850	9220	3990	5420	5090	4790	3420	3140	9770	4590	4830
2	3140	3600	8050	4590	7680	6210	4210	7970	3780	7030	4230	4270
3	3900	4770	9270	1850	8320	6200	3170	4900	e3950	8130	4710	5580
4	3050	3370	10400	2380	8210	6130	3220	2580	e3880	5160	5490	5270
5	3600	5090	14500	6240	10900	4810	6160	2640	1940	5550	5760	3270
6	3160	4380	12900	7060	17600	4860	2710	2750	2840	5720	6120	10800
7	3280	5330	11800	6540	13100	5000	e2970	2380	4730	4830	3700	18400
8	3970	4590	12500	6480	12400	3900	e3680	2280	4420	5760	4210	14200
9	2280	3790	7370	6310	11100	5650	5500	1460	4180	5850	6000	9330
10	5600	2710	5870	3640	10900	7390	4060	3340	3060	5050	10300	3980
11	6850	2930	e9640	3450	10800	6490	3870	1400	2810	4660	9520	2630
12	7500	4360	15400	6210	13400	5490	3970	1370	2090	4960	8670	4780
13	7630	5130	16400	6460	12400	3070	4010	1490	2700	4360	7670	5390
14	7480	3570	14400	6510	13300	3840	6990	1370	4320	5620	2180	6730
15	6650	2040	10800	6980	12800	4060	5110	1230	4230	5050	2730	8650
16	8370	3030	3870	6680	12600	3800	4810	1760	2520	4860	5950	21300
17	9740	1070	2850	5440	11700	3010	5340	2650	3670	2360	4310	27700
18	7340	2090	4600	4770	11400	3450	4710	3220	2420	4260	3940	27700
19	5220	3600	8300	5780	10900	3930	5250	2700	2920	4090	3860	23700
20	1750	4130	8630	6210	6290	3480	4700	2340	2460	4170	3630	20300
21	1370	5860	7830	5800	4440	3140	4040	2650	2270	4510	3830	16600
22	1480	11500	6750	6150	5110	5230	3870	1340	2610	6250	2110	13400
23	1970	13200	5640	5280	8860	5770	3270	2610	2650	3920	5110	12300
24	2440	12500	4970	3570	6820	4910	2380	2910	3500	2100	5500	6850
25	3440	13100	2540	3850	6440	3840	3040	3370	3110	2010	6680	6680
26	3570	12700	5030	11200	6940	3590	2460	3140	2980	6200	5240	8560
27	4250	12400	3930	9840	7850	2430	4480	3080	2790	6310	5640	11200
28	3820	13700	2960	4500	6430	2590	3810	2330	2680	6330	3460	10100
29	2780	13200	4590	5730	5870	2750	3380	1380	2720	5220	3190	13500
30	3930	10400	7090	5650	---	3640	2780	1110	7270	5900	4080	18000
31	4710	---	6700	6990	---	4200	---	3120	---	3660	4260	---
TOTAL	138580	192990	254800	176130	279980	137950	122740	80290	98640	159650	156670	346000
MEAN	4470	6433	8219	5682	9654	4450	4091	2590	3288	5150	5054	11530
MAX	9740	13700	16400	11200	17600	7390	6990	7970	7270	9770	10300	27700
MIN	1370	1070	2540	1850	4440	2430	2380	1110	1940	2010	2110	2630
CFSM	0.96	1.38	1.76	1.22	2.07	0.95	0.88	0.55	0.70	1.10	1.08	2.47
IN.	1.10	1.54	2.03	1.40	2.23	1.10	0.98	0.64	0.79	1.27	1.25	2.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	4102	6722	8918	5471	7518	7425	5585	9292	7236	6785	4769	6051
MAX	4470	7011	9616	5682	9654	13750	8974	22240	16260	12820	7011	11530
(WY)	2004	2003	2003	2004	2004	2003	2003	2003	2003	2003	2003	2004
MIN	3735	6433	8219	5260	4032	4074	3689	2590	2161	2383	2242	2387
(WY)	2003	2004	2004	2003	2002	2002	2002	2004	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	3610240		2144420			
ANNUAL MEAN	9891		5859		7924	
HIGHEST ANNUAL MEAN					9995	2003
LOWEST ANNUAL MEAN					5859	2004
HIGHEST DAILY MEAN	118000	May 9	27700	Sep 17 a	118000	May 9 2003
LOWEST DAILY MEAN	1070	Nov 17	1070	Nov 17	1070	Nov 17 2003
ANNUAL SEVEN-DAY MINIMUM	2290	Oct 20	1610	May 11	1530	Jun 15 2002
MAXIMUM PEAK FLOW			33300	Sep 16	150000	May 9 2003
MAXIMUM PEAK STAGE			17.99	Sep 17	39.95	May 9 2003
ANNUAL RUNOFF (CFSM)	2.12		1.25		1.70	
ANNUAL RUNOFF (INCHES)	28.76		17.08		23.05	
10 PERCENT EXCEEDS	18900		11400		14300	
50 PERCENT EXCEEDS	6990		4770		5780	
90 PERCENT EXCEEDS	3370		2450		2750	

e Estimated
a Also Sep 18

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 215
LATITUDE 322711 LONGITUDE 0845943 NAD27 DRAINAGE AREA 4670.00* CONTRIBUTING DRAINAGE AREA DATUM 183.14 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.45	6.33	8.05	6.89	6.47	6.48	6.13	5.43	5.55	8.11	6.62	6.29
2	6.08	6.11	7.38	7.03	7.17	6.63	5.96	7.02	5.71	7.81	6.52	6.14
3	6.31	6.33	7.81	6.25	7.65	6.54	5.65	6.37	---	7.94	6.51	6.43
4	6.09	5.98	8.36	6.41	7.52	6.41	5.54	5.87	5.76	7.26	6.62	6.31
5	6.26	6.46	10.07	7.40	8.52	6.12	6.34	5.96	5.33	7.28	6.65	5.89
6	6.14	6.43	9.41	7.52	11.51	5.99	5.46	5.87	5.55	7.25	6.67	7.49
7	6.20	6.46	8.88	7.50	10.89	5.80	---	5.74	6.00	6.98	6.18	11.32
8	6.39	6.31	8.99	7.57	9.72	5.44	---	5.71	6.03	7.22	6.28	9.85
9	5.98	6.12	7.00	7.53	9.00	5.99	6.16	5.61	6.08	7.29	6.62	8.08
10	6.89	5.80	6.22	6.59	8.93	6.51	5.67	---	5.91	7.09	8.40	6.57
11	7.43	5.84	---	6.39	8.80	6.56	5.63	5.40	5.92	7.01	7.84	6.32
12	7.80	6.18	10.07	7.11	10.44	5.96	5.75	5.32	5.67	7.07	7.43	6.93
13	8.05	6.22	11.21	7.03	10.38	5.31	5.92	5.25	6.04	6.87	7.25	7.06
14	8.08	5.93	10.47	6.85	10.43	5.55	6.65	5.26	6.70	7.06	6.00	7.64
15	7.90	5.49	9.10	7.06	10.15	5.77	6.10	5.21	6.75	6.87	6.10	8.09
16	8.38	5.64	6.24	6.72	9.92	5.69	6.00	5.37	6.39	6.81	6.64	13.43
17	8.93	5.13	5.69	6.18	9.33	5.50	6.11	5.57	6.69	6.32	6.35	17.67
18	8.24	5.45	6.31	5.89	9.18	5.75	5.96	5.80	6.51	6.69	6.12	17.36
19	7.60	5.79	7.65	6.11	8.83	5.84	6.07	5.52	6.61	6.60	6.03	15.59
20	6.53	5.89	7.88	6.43	7.10	5.82	5.97	5.42	6.53	6.61	5.96	14.01
21	6.18	6.45	7.62	6.38	5.84	5.64	5.84	5.53	6.49	6.67	5.98	12.49
22	5.95	8.28	7.38	6.31	5.91	6.17	5.79	5.26	6.55	6.86	5.70	10.49
23	5.76	9.18	7.07	5.99	7.19	6.45	5.55	5.56	6.44	6.40	6.38	10.18
24	5.65	8.90	6.74	5.06	6.77	6.22	5.26	5.55	6.75	5.98	6.44	7.45
25	5.85	9.21	6.20	5.22	6.66	5.88	5.36	5.63	6.83	5.81	6.64	7.31
26	5.99	9.15	6.90	8.96	7.32	5.91	5.18	5.67	6.76	6.68	6.27	7.79
27	6.14	8.89	6.68	9.76	7.86	5.67	5.63	5.64	6.83	6.83	6.38	9.41
28	6.03	9.85	6.50	6.64	7.21	5.72	5.43	5.44	6.86	6.93	5.85	9.16
29	5.81	9.67	6.94	6.88	6.73	5.74	5.39	5.20	6.72	6.66	5.85	9.97
30	6.12	8.58	7.58	6.72	---	5.89	5.22	5.17	7.67	6.86	6.09	12.72
31	6.35	---	7.72	7.28	---	6.00	---	5.57	---	6.38	6.13	---
MEAN	6.70	6.93	---	6.83	8.39	5.97	---	---	---	6.91	6.47	9.51
MAX	8.93	9.85	---	9.76	11.51	6.63	---	---	---	8.11	8.40	17.67
MIN	5.65	5.13	---	5.06	5.84	5.31	---	---	---	5.81	5.70	5.89

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 215
LATITUDE 322711 LONGITUDE 0845943 NAD27 DRAINAGE AREA 4670.00* CONTRIBUTING DRAINAGE AREA DATUM 183.14 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.09	0.02	0.00	0.00
2	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.32	0.00	0.05	0.00	0.18
3	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.11
4	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.42	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
6	0.02	0.00	0.00	0.00	1.70	0.02	0.00	0.00	0.00	0.09	0.00	1.39
7	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.22	0.00	2.24
8	0.16	0.00	0.00	0.10	0.00	0.00	1.23	0.00	0.00	0.02	0.00	0.02
9	0.01	0.00	0.00	0.10	0.00	0.00	0.00	0.27	0.02	0.00	0.02	0.00
10	0.54	0.00	0.75	0.00	0.04	0.00	0.00	0.18	0.00	0.05	3.50	0.00
11	0.04	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.13
12	0.00	0.00	0.00	0.00	0.94	0.00	0.82	0.52	0.01	0.08	0.32	0.00
13	0.00	0.00	0.20	0.00	0.00	0.00	0.15	1.39	2.50	0.01	0.00	0.00
14	0.08	0.00	0.17	0.00	0.38	0.00	0.00	0.00	0.54	0.01	0.00	0.00
15	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.50	0.00	0.00	0.09
16	0.00	0.00	0.06	0.00	0.00	0.13	0.00	0.00	0.00	0.02	0.00	1.69
17	0.01	0.00	0.03	0.49	0.00	0.00	0.00	0.04	0.55	0.29	0.00	0.08
18	0.00	0.14	0.00	0.03	0.00	0.00	0.00	0.89	0.18	0.36	0.00	0.00
19	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.31	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
23	0.00	0.00	0.60	0.00	0.30	0.00	0.00	0.00	0.28	0.00	0.00	0.00
24	0.00	0.19	0.01	0.02	0.08	0.00	0.00	0.00	0.19	0.27	0.00	0.00
25	0.00	0.00	0.00	0.65	0.84	0.00	0.00	0.00	0.15	0.01	0.09	0.00
26	0.23	0.00	0.00	1.08	0.29	0.00	0.28	0.00	0.03	0.20	0.00	0.00
27	0.00	0.97	0.00	0.01	0.00	0.00	0.01	0.00	0.37	0.00	0.00	1.61
28	0.03	0.35	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00
29	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00
30	0.00	0.00	0.06	0.00	---	0.24	1.03	0.00	2.13	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.01	---	0.22	---	0.00	0.46	---
TOTAL	1.50	3.04	2.74	2.80	5.05	0.41	3.52	4.47	8.79	1.73	4.94	7.54

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 215
LATITUDE 322711 LONGITUDE 0845943 NAD27 DRAINAGE AREA 4670.00* CONTRIBUTING DRAINAGE AREA DATUM 183.14 NGVD29

Stream velocity, feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.97	1.09	1.87	0.84	1.15	1.13	1.10	0.84	0.73	1.99	0.99	1.07
2	0.73	0.83	1.68	0.98	1.60	1.41	0.97	1.79	0.86	1.42	0.93	0.97
3	0.88	1.10	1.90	0.43	1.68	1.43	0.76	1.10	---	1.66	1.04	1.25
4	0.70	0.79	2.04	0.55	1.66	1.41	0.79	0.60	---	1.13	1.19	1.22
5	0.81	1.13	2.55	1.32	2.11	1.12	1.41	0.61	0.49	1.18	1.26	0.78
6	0.72	0.96	2.36	1.45	2.69	1.15	0.66	0.64	0.70	1.21	1.34	2.18
7	0.75	1.20	2.26	1.33	2.16	1.21	---	0.57	1.09	1.02	0.84	2.97
8	0.89	1.05	2.39	1.30	2.21	0.95	---	0.54	1.00	1.20	0.94	2.54
9	0.55	0.86	1.60	1.27	2.08	1.30	1.28	0.37	0.94	1.22	1.34	1.89
10	1.20	0.63	1.31	0.80	2.08	1.59	1.02	---	0.70	1.06	1.81	0.91
11	1.42	0.68	---	0.78	2.06	1.41	0.94	0.36	0.65	0.98	1.99	0.61
12	1.52	1.02	2.66	1.26	2.28	1.30	0.95	0.36	0.52	1.04	1.83	0.98
13	1.50	1.18	2.65	1.37	2.12	0.77	0.94	0.39	0.63	0.94	1.66	1.12
14	1.47	0.86	2.47	1.38	2.28	0.91	1.55	0.36	0.92	1.20	0.53	1.32
15	1.35	0.51	2.01	1.48	2.24	0.98	1.20	0.32	0.91	1.08	0.65	1.68
16	1.82	0.75	0.84	1.45	2.23	0.92	1.11	0.45	0.59	1.04	1.32	2.94
17	1.79	0.29	0.67	1.25	2.14	0.74	1.22	0.63	0.79	0.55	0.96	3.12
18	1.46	0.52	1.01	1.10	2.10	0.82	1.10	0.75	0.54	0.93	0.90	3.17
19	1.07	0.89	1.62	1.32	2.06	0.93	1.19	0.66	0.65	0.92	0.89	2.95
20	0.40	1.02	1.70	1.37	1.27	0.81	1.09	0.58	0.55	0.92	0.84	2.78
21	0.33	1.31	1.58	1.32	1.05	0.77	0.93	0.65	0.51	0.97	0.90	2.47
22	0.36	2.31	1.38	1.37	1.24	1.20	0.88	0.35	0.57	1.38	0.52	2.29
23	0.47	2.47	1.18	1.23	1.95	1.30	0.78	0.76	0.59	0.89	1.13	2.14
24	0.60	2.41	1.10	0.89	1.52	1.09	0.61	0.69	0.75	0.50	1.21	1.47
25	0.83	2.46	0.60	0.98	1.46	0.90	0.77	0.80	0.67	0.50	1.49	1.37
26	0.84	2.38	1.06	2.01	1.51	0.83	0.62	0.73	0.66	1.37	1.23	1.71
27	1.00	2.34	0.88	1.70	1.62	0.60	1.10	0.74	0.61	1.35	1.27	2.05
28	0.90	2.44	0.67	0.96	1.39	0.62	0.95	0.57	0.58	1.32	0.83	1.89
29	0.65	2.38	0.96	1.22	1.33	0.65	0.82	0.36	0.60	1.14	0.75	2.28
30	0.85	2.01	1.49	1.20	---	0.87	0.68	0.29	1.44	1.27	0.94	2.63
31	1.04	---	1.37	1.44	---	0.99	---	0.74	---	0.81	0.97	---
MEAN	0.96	1.33	---	1.20	1.84	1.04	---	---	---	1.10	1.11	1.89
MAX	1.82	2.47	---	2.01	2.69	1.59	---	---	---	1.99	1.99	3.17
MIN	0.33	0.29	---	0.43	1.05	0.60	---	---	---	0.50	0.52	0.61

APALACHICOLA RIVER BASIN
2004 Water Year

02341600 JUNIPER CREEK NEAR GENEVA, GA

LOCATION.—Lat 32°31'41", long 84°34'14", referenced to North American Datum (NAD) of 1927, Talbot-Marion County line, Hydrologic Unit 03130003, at GA 41, 1.8 miles south of Geneva.

DRAINAGE AREA.—47.4 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1963 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 373.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 11.78 feet, March 17, 1990
DISCHARGE: 4,300 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.65 feet, January 26
DISCHARGE: 580 cfs, January 26

APALACHICOLA RIVER BASIN
2004 Water Year

02341723 PINE KNOT CREEK AT GA 355, NEAR JUNIPER, GA

LOCATION.—Lat 32°26'14", long 84°39'25", referenced to North American Datum (NAD) of 1927, Marion County, Hydrologic Unit 03130003, at GA 355, 8.0 miles south of Juniper.

DRAINAGE AREA.—31.3 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 330.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.79 feet, September 17, 2004
DISCHARGE: 2,240 cfs, September 17, 2004

MAXIMUM FOR CURRENT YEAR.—
STAGE: 9.79 feet, September 17
DISCHARGE: 2,240 cfs, September 17

2004 Water Year

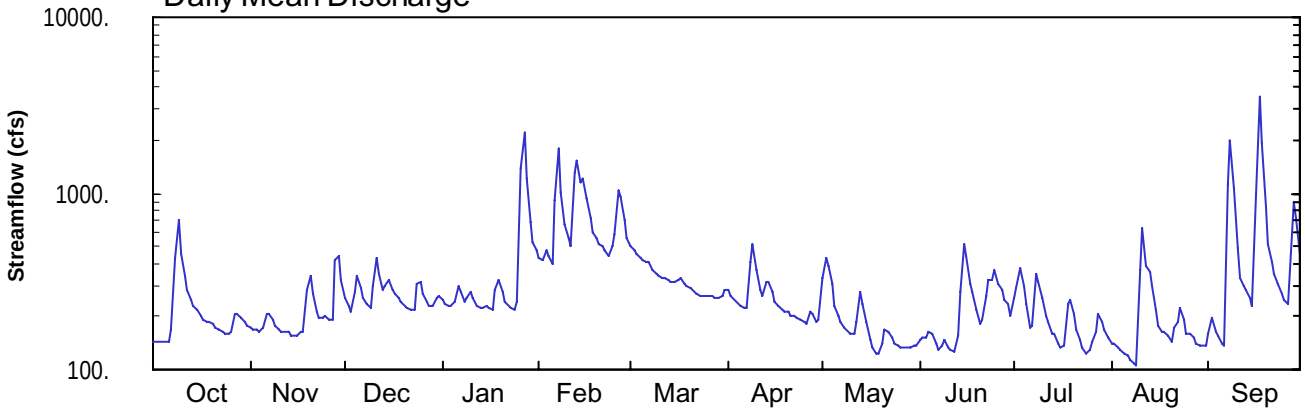
APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA

Latitude: 32°24'48" Longitude: 084°49'12" Hydrologic Unit Code: 03130003

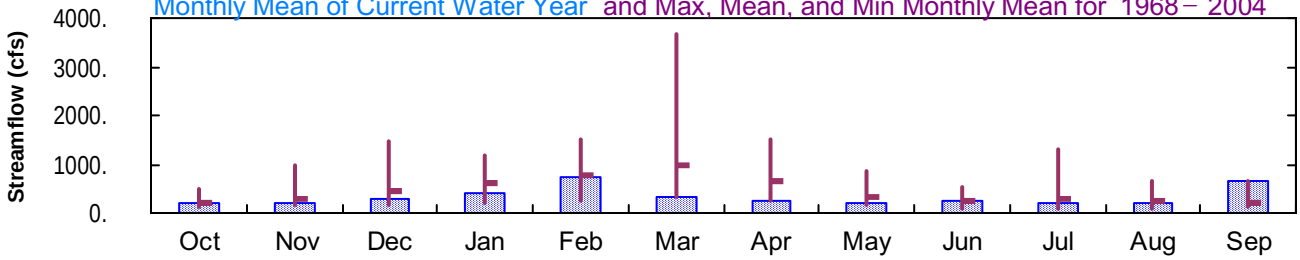
Chattahoochee County Datum: 230.00 feet Drainage Area: 342. mi²

Daily Mean Discharge

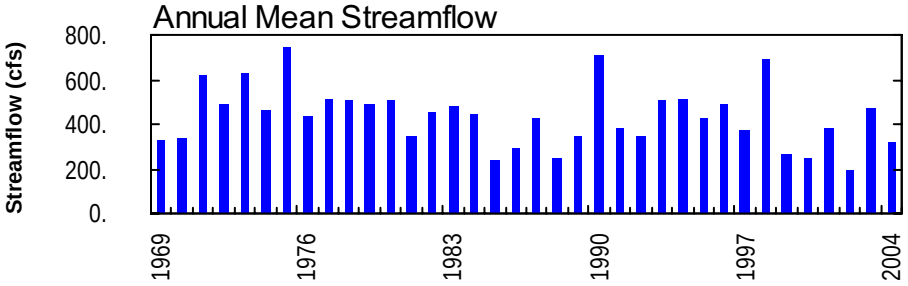


Monthly Statistics

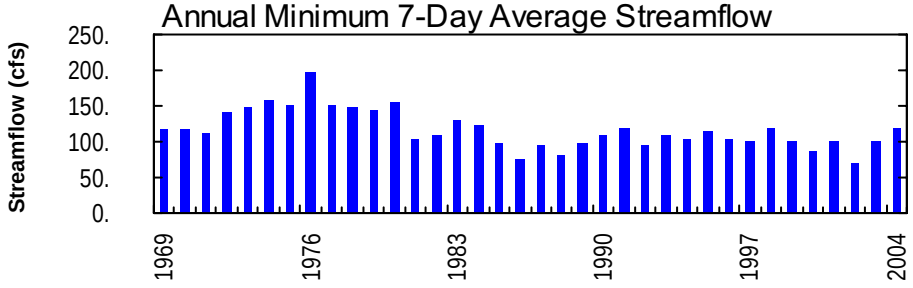
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1968 – 2004

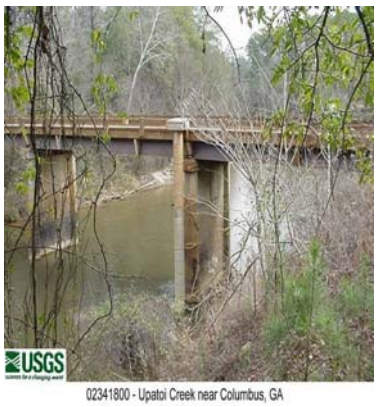


Annual Mean Streamflow

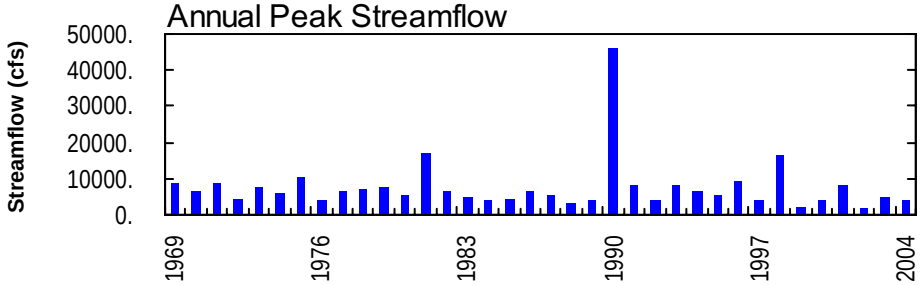


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02341800 UPATOI CREEK NEAR COLUMBUS, GA

LOCATION.—Lat 32°24'48", long 84°49'12", referenced to North American Datum (NAD) of 1927, Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2.0 miles downstream from Randall Creek, 2.0 miles upstream from Ochillee Creek, 8.0 miles southeast of Columbus, and 12.0 miles upstream from mouth.

DRAINAGE AREA.—342 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1968 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 230.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/17	1745	4,040*	10.64

No other peaks above base discharge

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1968 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 230.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.64 feet, September 17; minimum gage-height recorded, 3.68 feet, August 9, 10.

02341800 UPATOI CREEK NEAR COLUMBUS, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 1, 2004 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341800 UPATOI CREEK NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 053
LATITUDE 322448 LONGITUDE 0844912 NAD27 DRAINAGE AREA 342 CONTRIBUTING DRAINAGE AREA 342* DATUM 230.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	173	255	246	430	506	281	328	147	e258	140	160
2	144	170	228	234	415	476	261	e434	153	e287	140	197
3	144	168	214	231	476	448	246	e383	153	380	132	166
4	144	165	276	232	436	431	238	e305	164	298	128	154
5	143	172	336	245	398	418	228	231	158	e234	124	141
6	143	206	294	299	905	412	223	e200	141	e174	120	135
7	168	207	252	275	1780	405	221	e185	129	e178	114	1130
8	428	190	235	240	1000	372	410	e171	136	e345	108	1990
9	700	178	227	252	667	349	517	e164	148	e316	105	1060
10	453	170	297	273	550	340	367	e160	135	e255	367	489
11	336	165	432	252	504	333	283	e159	130	e199	634	331
12	285	165	350	232	1330	328	261	e188	126	e189	383	298
13	249	164	285	225	1520	321	316	e278	158	e158	362	281
14	230	157	301	225	1160	312	310	e239	279	e158	302	258
15	218	154	319	229	1220	310	274	e188	518	e140	217	232
16	201	157	285	225	927	321	245	e149	440	134	178	998
17	190	162	271	221	718	329	229	e134	310	137	166	3550
18	189	166	258	285	609	307	220	e125	274	e239	162	1930
19	187	283	241	322	555	295	214	e125	216	e252	155	837
20	181	336	230	275	520	287	210	e141	181	206	145	521
21	175	266	223	244	500	283	204	e170	194	e169	173	408
22	170	214	218	230	471	271	200	e166	e263	e149	188	349
23	166	195	220	223	443	261	195	e152	320	e134	225	303
24	161	196	309	219	497	259	190	e142	326	e122	190	268
25	159	200	318	241	589	261	185	e136	365	e130	159	248
26	165	192	270	1400	1030	261	184	e135	304	e145	160	236
27	207	193	242	2210	960	259	212	e135	e286	e164	152	371
28	209	421	231	1220	698	258	205	e133	e252	e206	141	901
29	198	443	231	689	558	253	185	e133	e239	e186	135	721
30	187	321	256	536	---	261	191	e136	200	169	135	448
31	178	---	265	474	---	284	---	e136	---	151	135	---
TOTAL	6852	6349	8369	12704	21866	10211	7505	5861	6845	6262	5975	19111
MEAN	221	212	270	410	754	329	250	189	228	202	193	637
MAX	700	443	432	2210	1780	506	517	434	518	380	634	3550
MIN	143	154	214	219	398	253	184	125	126	122	105	135
CFSM	0.65	0.62	0.79	1.20	2.20	0.96	0.73	0.55	0.67	0.59	0.56	1.86
IN.	0.75	0.69	0.91	1.38	2.38	1.11	0.82	0.64	0.74	0.68	0.65	2.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

MEAN	196	276	436	617	756	974	650	339	253	276	248	203
MAX	479	986	1460	1170	1498	3678	1513	858	524	1315	657	637
(WY)	1995	1993	1998	1975	1998	1990	1973	1978	1975	1994	2003	2004
MIN	103	144	164	189	254	329	239	148	98.9	92.9	90.0	113
(WY)	1988	1970	1989	1981	2001	2004	1985	2000	1988	1986	2002	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	174021		117910			
ANNUAL MEAN	477		322		435	
HIGHEST ANNUAL MEAN					750	1975
LOWEST ANNUAL MEAN					197	2002
HIGHEST DAILY MEAN	3370	Mar 7	3550	Sep 17	31600	Mar 17 1990
LOWEST DAILY MEAN	143	Oct 5	105	Aug 9	66	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	144	Sep 30	119	Aug 3	71	Aug 7 2002
MAXIMUM PEAK FLOW			4040	Sep 17	46300	Mar 17 1990
MAXIMUM PEAK STAGE			10.64	Sep 17	32.12	Mar 17 1990
INSTANTANEOUS LOW FLOW			104	Aug 9	64	Aug 12 2002
ANNUAL RUNOFF (CFSM)	1.39		0.942		1.27	
ANNUAL RUNOFF (INCHES)	18.93		12.83		17.29	
10 PERCENT EXCEEDS	937		519		845	
50 PERCENT EXCEEDS	319		234		263	
90 PERCENT EXCEEDS	173		141		130	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341800 UPATOI CREEK NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 053
LATITUDE 322448 LONGITUDE 0844912 NAD27 DRAINAGE AREA 342 CONTRIBUTING DRAINAGE AREA 342* DATUM 230.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.87	4.00	4.33	4.30	4.90	5.12	4.42	4.57	3.89	---	3.86	3.94
2	3.87	3.99	4.23	4.25	4.86	5.04	4.35	---	3.91	---	3.86	4.11
3	3.87	3.98	4.17	4.24	5.04	4.96	4.29	---	3.92	4.75	3.82	3.97
4	3.88	3.97	4.40	4.24	4.92	4.91	4.26	---	3.96	4.48	3.80	3.92
5	3.87	4.00	4.61	4.29	4.81	4.87	4.23	4.24	3.94	---	3.78	3.86
6	3.87	4.14	4.47	4.48	5.79	4.85	4.21	---	3.86	---	3.76	3.83
7	3.98	4.14	4.32	4.40	7.50	4.83	4.20	---	3.80	---	3.73	6.19
8	4.84	4.08	4.25	4.27	6.18	4.73	4.81	---	3.84	---	3.70	7.85
9	5.59	4.03	4.22	4.32	5.52	4.65	5.16	---	3.89	---	3.68	6.27
10	4.97	3.99	4.47	4.39	5.25	4.62	4.71	---	3.83	---	4.47	5.07
11	4.61	3.97	4.91	4.32	5.12	4.60	4.43	---	3.81	---	5.42	4.59
12	4.44	3.97	4.65	4.24	6.68	4.58	4.35	---	3.79	---	4.76	4.48
13	4.31	3.96	4.44	4.22	7.07	4.56	4.54	---	3.93	---	4.70	4.42
14	4.23	3.93	4.49	4.22	6.47	4.53	4.52	---	4.42	---	4.49	4.34
15	4.19	3.92	4.55	4.23	6.57	4.52	4.40	---	5.14	---	4.18	4.24
16	4.12	3.94	4.44	4.22	6.04	4.56	4.29	---	4.93	3.83	4.03	5.74
17	4.08	3.96	4.39	4.20	5.63	4.59	4.23	---	4.52	3.84	3.97	10.04
18	4.07	3.97	4.34	4.43	5.39	4.51	4.20	---	4.40	---	3.96	7.72
19	4.06	4.42	4.28	4.56	5.26	4.47	4.17	---	4.18	---	3.93	5.86
20	4.04	4.61	4.23	4.40	5.16	4.44	4.16	---	4.04	4.14	3.88	5.16
21	4.01	4.37	4.21	4.29	5.11	4.43	4.13	---	---	---	4.00	4.84
22	3.99	4.17	4.19	4.24	5.02	4.39	4.12	---	---	---	4.07	4.65
23	3.97	4.10	4.20	4.21	4.94	4.35	4.10	---	4.55	---	4.21	4.50
24	3.95	4.10	4.52	4.19	5.10	4.34	4.08	---	4.58	---	4.07	4.38
25	3.94	4.12	4.55	4.27	5.33	4.35	4.05	---	4.70	---	3.94	4.30
26	3.97	4.08	4.38	6.69	6.22	4.35	4.05	---	4.50	---	3.95	4.26
27	4.14	4.09	4.28	8.19	6.10	4.34	4.16	---	---	---	3.91	4.67
28	4.15	4.87	4.24	6.55	5.58	4.34	4.14	---	---	---	3.86	5.99
29	4.11	4.94	4.24	5.56	5.27	4.32	4.05	---	---	---	3.83	5.63
30	4.06	4.56	4.33	5.21	---	4.35	4.08	---	4.11	3.99	3.83	4.96
31	4.02	---	4.36	5.03	---	4.43	---	---	---	3.91	3.83	---
MEAN	4.16	4.15	4.38	4.67	5.61	4.58	4.30	---	---	---	4.04	5.13
MAX	5.59	4.94	4.91	8.19	7.50	5.12	5.16	---	---	---	5.42	10.04
MIN	3.87	3.92	4.17	4.19	4.81	4.32	4.05	---	---	---	3.68	3.83

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341800 UPATOI CREEK NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 053
LATITUDE 322448 LONGITUDE 0844912 NAD27 DRAINAGE AREA 342 CONTRIBUTING DRAINAGE AREA 342* DATUM 230.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	0.12	0.11
2	---	---	---	---	---	---	---	---	---	---	0.01	0.01
3	---	---	---	---	---	---	---	---	---	0.01	0.00	0.01
4	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
5	---	---	---	---	---	---	---	---	---	---	0.00	0.00
6	---	---	---	---	---	---	---	---	---	---	0.00	---
7	---	---	---	---	---	---	---	---	---	---	0.00	3.65
8	---	---	---	---	---	---	---	---	---	---	0.00	0.10
9	---	---	---	---	---	---	---	---	---	---	0.01	0.01
10	---	---	---	---	---	---	---	---	---	---	3.69	0.00
11	---	---	---	---	---	---	---	---	---	---	0.00	0.07
12	---	---	---	---	---	---	---	---	---	---	0.34	0.00
13	---	---	---	---	---	---	---	---	---	---	0.03	0.00
14	---	---	---	---	---	---	---	---	---	---	0.00	0.00
15	---	---	---	---	---	---	---	---	---	---	0.00	0.03
16	---	---	---	---	---	---	---	---	---	---	0.00	2.94
17	---	---	---	---	---	---	---	---	---	---	0.00	0.20
18	---	---	---	---	---	---	---	---	---	---	0.00	0.01
19	---	---	---	---	---	---	---	---	---	---	0.00	0.00
20	---	---	---	---	---	---	---	---	---	---	0.80	0.00
21	---	---	---	---	---	---	---	---	---	---	0.12	0.00
22	---	---	---	---	---	---	---	---	---	---	1.92	0.00
23	---	---	---	---	---	---	---	---	---	---	0.08	0.00
24	---	---	---	---	---	---	---	---	---	---	0.00	0.00
25	---	---	---	---	---	---	---	---	---	---	0.10	0.00
26	---	---	---	---	---	---	---	---	0.02	---	0.00	0.00
27	---	---	---	---	---	---	---	---	---	---	0.00	5.00
28	---	---	---	---	---	---	---	---	---	---	0.00	0.03
29	---	---	---	---	---	---	---	---	---	---	0.01	0.00
30	---	---	---	---	---	---	---	---	1.22	0.01	0.00	0.00
31	---	---	---	---	---	---	---	---	---	0.00	0.32	---
TOTAL	---	---	---	---	---	---	---	---	---	---	7.55	---

APALACHICOLA RIVER BASIN
2004 Water Year

02341900 OCHILLEE CREEK AT HOURGLASS ROAD, NEAR CUSSETA, GA

LOCATION.—Lat 32°21'53", long 84°49'02", referenced to North American Datum (NAD) of 1927, Chattahoochee County, Hydrologic Unit 03130003, at Hourglass Road, 5.0 miles northwest of Cusseta.

DRAINAGE AREA.—53.3 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 281.53 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 16.00 feet, March 17, 1990
DISCHARGE: 11,000 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.70 feet, September 17
DISCHARGE: 863 cfs, September 17

0234296910 CHATTAHOOCHEE RIVER AT COAST GUARD DOCK, AT EUFAULA, AL

LOCATION.—Lat 31°54'29", long 85°08'42", referenced to North American Datum (NAD) of 1927, in SE ¼, Section 29, Township 11 North, Range 29 East, Barbour County, Hydrologic Unit 03130003, at Coast Guard Dock near the mouth of the Chewalla Creek, 1.0 mile north of Eufaula, AL, and at mile 97.8.

DRAINAGE AREA.—6,730 square miles.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1967 to current (elevations only). October 1989 to current year in reports of the U.S. Geological Survey, Alabama District. Data from April 1967 to September 1989 are in the files of the U.S. Army Corps of Engineers, Mobile District.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Gage is in the pool of Walter F. George Reservoir formed by a dam at mile 75.0.

EXTREMES FOR PERIOD SINCE OCTOBER 1989.—Maximum elevation, 195.6 feet, March 18, 1990; minimum elevation, 184.05 feet, June 13, 2000.

EXTREMES FOR CURRENT YEAR.—Maximum elevation, 190.02 feet, October 18; minimum elevation, 187.11 feet, January 24.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 0234296910 CHATTAHOOCHEE RIVER AT COAST GUARD DOCK AT EUFAULA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 005
LATITUDE 315429 LONGITUDE 0850842 NAD27 DATUM 0.00 NGVD29
Date Processed: 2005-05-06 13:07 By mwtreece
APPROVED
DD #1
Elevation above NGVD 1929, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188.88	188.52	188.46	189.17	188.12	188.49	188.36	188.00	188.13	189.71	189.10	188.68
2	188.84	188.60	188.37	189.17	187.96	188.37	188.30	188.28	188.13	189.82	189.08	188.69
3	188.79	188.63	188.33	189.17	188.04	188.28	188.28	188.56	188.21	189.84	188.98	188.71
4	188.77	188.55	188.27	189.18	187.90	188.17	188.22	188.68	188.29	189.82	188.93	188.77
5	188.77	188.55	188.14	189.17	187.73	188.14	188.21	188.66	188.33	189.72	188.88	188.78
6	188.85	188.57	187.96	189.12	187.77	188.00	188.21	188.63	188.36	189.57	188.89	188.74
7	188.90	188.52	187.75	189.12	188.38	187.87	188.12	188.62	188.42	189.44	188.90	188.97
8	188.88	188.55	187.54	189.13	188.42	187.81	188.07	188.61	188.52	189.51	188.88	188.87
9	188.90	188.56	187.50	189.15	188.38	187.70	188.10	188.66	188.61	189.53	188.84	189.09
10	188.93	188.52	187.42	189.03	188.36	187.66	188.11	188.61	188.71	189.52	188.79	189.16
11	189.16	188.49	187.27	188.78	188.35	187.72	188.08	188.49	188.74	189.54	188.95	189.18
12	189.41	188.45	187.48	188.59	188.74	187.73	188.11	188.34	188.66	189.52	188.98	189.20
13	189.62	188.41	187.94	188.31	189.27	187.86	188.17	188.26	188.67	189.44	189.09	189.29
14	189.74	188.46	188.34	188.16	189.03	187.92	188.16	188.26	189.00	189.37	189.03	189.36
15	189.86	188.35	188.41	187.99	188.73	188.06	188.21	188.28	189.20	189.29	188.97	189.33
16	189.94	188.27	188.33	187.74	188.57	188.14	188.15	188.30	189.32	189.25	188.91	189.60
17	189.94	188.22	188.30	187.66	188.54	188.15	188.13	188.34	189.36	189.27	188.86	189.41
18	189.95	188.17	188.29	187.65	188.44	188.20	188.18	188.31	189.46	189.21	188.74	188.60
19	189.79	188.19	188.30	187.64	188.21	188.28	188.14	188.29	189.49	189.28	188.64	188.75
20	189.54	188.27	188.39	187.63	188.08	188.38	188.10	188.28	189.49	189.22	188.58	189.01
21	189.22	188.28	188.54	187.64	187.86	188.38	188.08	188.28	189.48	189.15	188.60	189.07
22	189.00	188.17	188.67	187.49	187.79	188.42	188.05	188.26	189.35	189.12	188.69	189.00
23	188.65	188.13	188.70	187.38	187.89	188.36	188.05	188.24	189.30	189.10	188.69	189.08
24	188.48	188.10	188.78	187.23	188.05	188.34	188.06	188.22	189.44	188.97	188.69	189.01
25	188.45	188.09	188.87	187.31	188.18	188.36	187.99	188.22	189.56	188.86	188.69	188.71
26	188.52	188.09	188.89	188.15	188.64	188.42	187.95	188.23	189.63	188.85	188.69	188.59
27	188.52	188.05	189.01	188.74	188.77	188.52	187.90	188.25	189.68	188.89	188.65	188.79
28	188.50	188.20	189.10	188.41	188.67	188.53	187.84	188.25	189.67	188.97	188.65	189.04
29	188.45	188.39	189.06	188.24	188.53	188.52	187.78	188.21	189.63	189.03	188.65	189.01
30	188.42	188.44	189.10	188.17	---	188.46	187.81	188.13	189.52	189.09	188.65	189.09
31	188.45	---	189.18	188.18	---	188.43	---	188.11	---	189.11	188.62	---
MEAN	189.04	188.36	188.34	188.34	188.32	188.18	188.10	188.35	189.01	189.32	188.82	188.99
MAX	189.95	188.63	189.18	189.18	189.27	188.53	188.36	188.68	189.68	189.84	189.10	189.60
MIN	188.42	188.05	187.27	187.23	187.73	187.66	187.78	188.00	188.13	188.85	188.58	188.59

CAL YR 2003 MEAN 189.08 MAX 191.63 MIN 187.27
WTR YR 2004 MEAN 188.60 MAX 189.95 MIN 187.23

APALACHICOLA RIVER BASIN
2004 Water Year

02343219 BLUFF SPRINGS BRANCH AT GA 27, NEAR LUMPKIN, GA

LOCATION.—Lat 32°01'53", long 84°53'18", referenced to North American Datum (NAD) of 1927, Stewart County, Hydrologic Unit 03130003, at culvert on GA 27, 5.8 miles southwest of Lumpkin.

DRAINAGE AREA.—2.98 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 390.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 4.70 feet, March 17, 1990
DISCHARGE: 568 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 1.80 feet, September 16
DISCHARGE: 106 cfs, September 16

02343240 WALTER F. GEORGE RESERVOIR NEAR FORT GAINES, GA

LOCATION.--Lat 31°37'27", long 85°04'03", referenced to North American Datum (NAD) of 1927, Clay County, Hydrologic Unit 03130003, at forebay of dam on Chattahoochee River, 1.6 miles upstream from bridge on GA 37, 1.0 mile north of Fort Gaines, and at mile 75.0.

REMARKS.-- Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

APALACHICOLA RIVER BASIN
2004 Water Year

02343267 TEMPLE CREEK AT GA 39, NEAR BLAKELY, GA

LOCATION.—Lat 31°26'35", long 84°59'00", referenced to North American Datum (NAD) of 1927, Early County, Hydrologic Unit 03130004, at culvert on GA 39, 5.2 miles north of Blakely.

DRAINAGE AREA.—2.78 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1978 to December 11, 2002, June 2, 2003 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 290.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.13 feet, July 6, 1994
DISCHARGE: 746 cfs, July 6, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 2.67, July 15
DISCHARGE: 118 cfs, July 15

2004 Water Year

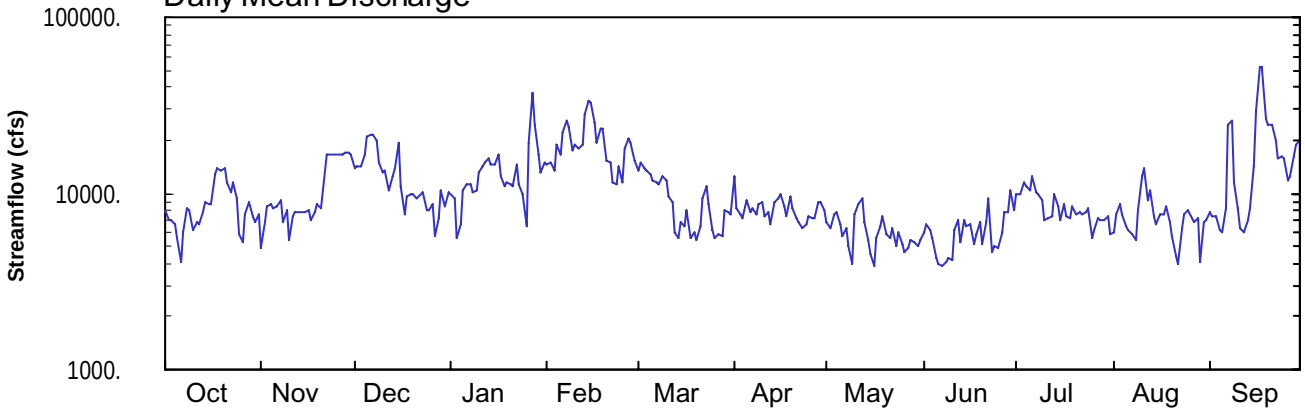
APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL

Latitude: 31°15'33" Longitude: 085°06'37" Hydrologic Unit Code: 03130004

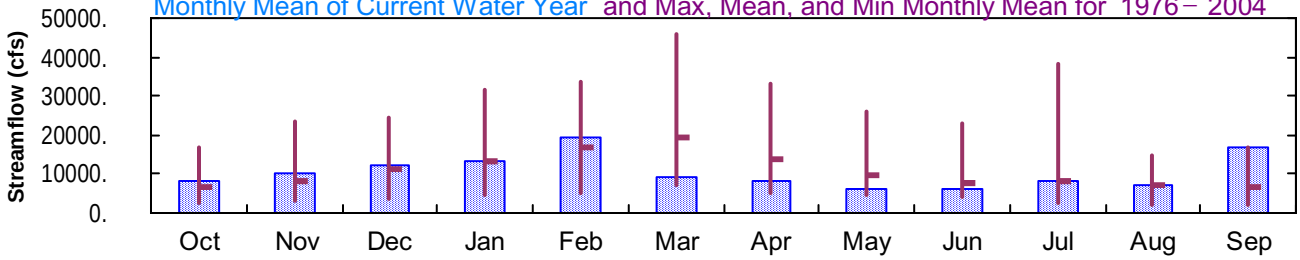
Early County Datum: 0.00 feet Drainage Area: 8210. mi²

Daily Mean Discharge

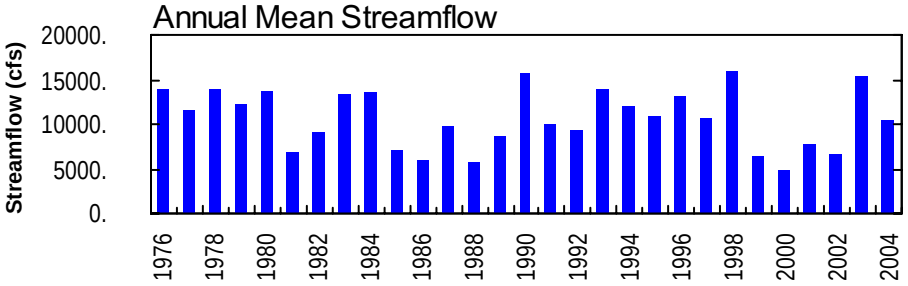


Monthly Statistics

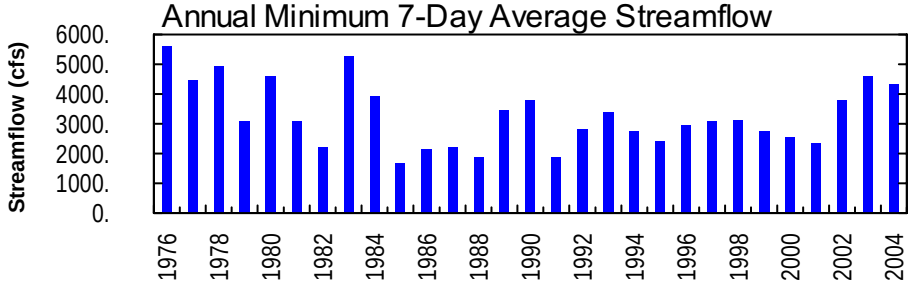
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1976 – 2004



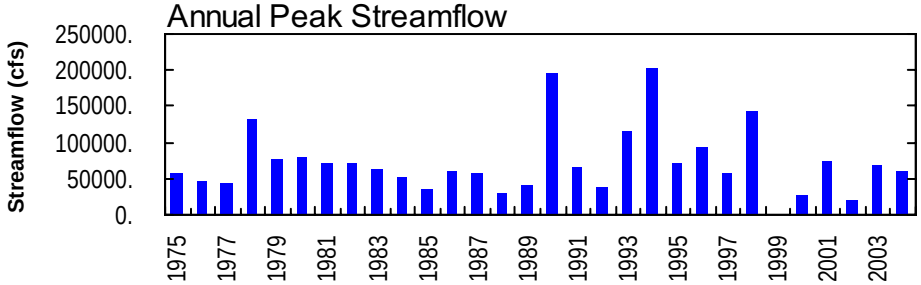
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL

LOCATION.—Lat 31°15'33", long 85°06'37", referenced to North American Datum (NAD) of 1927, Early County, GA-Houston County, AL, Hydrologic Unit 03130004, at left end of George W. Andrews Lock and Dam, 1.3 miles downstream from Omusee Creek, 2.3 miles south of Columbia, AL, and at mile 46.5.

DRAINAGE AREA.—8,210 square miles, approximately.

COOPERATION.—U.S Army Corps of Engineers-Mobile District, Southern Nuclear Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1975 to current year.

GAGE.—Satellite transmitter with gate-opening and water-stage recorders. Datum of headwater gage and tail-water gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair, except periods of estimated record, which are poor. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Lake, and George W. Andrews Reservoir.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of March 1929, thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, AL, 2.4 miles upstream.

WATER-STAGE RECORD

PERIOD OF RECORD.—October 1975 to current year.

GAGE.—Satellite transmitter with gate-opening and water-stage recorders. Datum of headwater gage and tail-water gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Headwater: Maximum gage-height recorded, 104.20 feet, September 17; minimum gage-height recorded, 99.68 feet, February 18. Tailwater: Maximum gage-height recorded, 101.78 feet, September 17; minimum gage-height recorded, 73.60 feet, February 17.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 1998 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8030	4950	14000	9910	14700	13600	12500	6880	5980	e9990	6040	7800
2	7100	6790	14300	9470	14900	15000	8280	6360	6620	9900	7580	7470
3	7080	8380	14300	e5570	13600	14000	7670	7680	6190	11500	8620	7340
4	6630	8640	16800	6620	18800	13400	7170	7870	5590	10900	7700	6110
5	5620	e8200	20900	10500	16700	12700	9190	6680	4300	10500	6590	5960
6	4100	8360	21400	11100	22400	11700	7800	5750	3990	12400	6260	8200
7	6040	9170	21300	11200	25800	11400	8250	6350	3860	10200	5890	24500
8	8270	6840	19900	e10100	24000	11300	7610	5030	4090	9930	5410	25800
9	7960	7970	15000	10300	17600	12500	8610	3950	4250	9060	7930	11400
10	6110	5370	13100	13100	18800	11700	8980	e7570	4150	7110	12400	8330
11	6850	7450	13600	14300	18100	9620	7430	8650	6170	7260	14000	6320
12	6600	7870	10400	15100	18900	8890	7810	9260	7000	7460	9140	6080
13	7780	7830	12600	15900	28000	5960	6750	6880	5340	9830	10500	7000
14	8850	7720	13800	14400	33200	5640	8920	5470	7050	8510	7380	8250
15	8680	7820	19300	14400	32900	6870	9310	4520	e6520	7050	6720	14100
16	8650	7950	11000	16500	24900	6430	9980	3900	6600	8570	7660	29300
17	12900	7080	7560	12400	e19400	7940	8420	5560	e5170	7500	7570	52600
18	14000	7850	e9640	11000	23400	5570	7410	6540	5850	7280	8490	51600
19	13500	8690	9930	11400	23200	6010	9500	7320	6850	8480	6900	26600
20	14000	8250	9900	11100	15300	5430	8240	5890	5190	7520	5730	24800
21	11600	10300	9460	11000	15100	6470	7280	5560	6850	7770	4450	24400
22	10100	16600	9890	14400	11400	9420	6890	6400	9470	7560	3980	19900
23	11400	16600	10200	11300	11300	10900	6410	e5010	4620	e7860	6380	15900
24	9370	16400	8000	9770	14300	8570	e6720	e5980	4960	8130	7540	16200
25	5900	16600	8050	6430	11400	6210	7420	5150	4870	5570	7970	15700
26	5330	16600	8670	19500	17900	5510	7140	4650	6030	6260	7300	11900
27	7560	16500	5670	37400	20300	5830	7160	4910	7840	7230	6910	12400
28	8990	16900	7230	24300	19600	5760	8940	5380	7860	7120	e7190	16200
29	e7480	17000	10400	16500	15300	8100	8980	5240	10500	7020	4100	18900
30	6890	16500	8410	13100	---	7750	7970	5070	7980	7320	6790	19700
31	7570	---	10200	e14800	---	7600	---	5390	---	5820	7060	---
TOTAL	260940	313180	384910	412870	561200	277780	244740	186850	181740	258610	228180	510760
MEAN	8417	10440	12420	13320	19350	8961	8158	6027	6058	8342	7361	17030
MAX	14000	17000	21400	37400	33200	15000	12500	9260	10500	12400	14000	52600
MIN	4100	4950	5670	5570	11300	5430	6410	3900	3860	5570	3980	5960
CFSM	1.03	1.27	1.51	1.62	2.36	1.09	0.99	0.73	0.74	1.02	0.90	2.07
IN.	1.18	1.42	1.74	1.87	2.54	1.26	1.11	0.85	0.82	1.17	1.03	2.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	6394	8010	10980	13090	16800	19340	13530	9929	7895	8340	7282	6625
MAX	16730	23290	24660	31670	33800	45900	33400	25820	22920	38070	14550	17030
(WY)	1976	1993	1993	1978	1998	1990	1979	2003	2003	1994	1984	2004
MIN	2385	2998	3655	4726	4856	6912	4957	4536	3946	2425	2045	2265
(WY)	1987	1982	2000	1981	1989	2000	1999	1999	2000	1988	1988	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	5682510		3821760			
ANNUAL MEAN	15570		10440		10660	
HIGHEST ANNUAL MEAN					16050	1998
LOWEST ANNUAL MEAN					4950	2000
HIGHEST DAILY MEAN	66300	May 11	52600	Sep 17	195000	Jul 7 1994
LOWEST DAILY MEAN	4100	Oct 6	3860	Jun 7	0.00	Nov 22 1987
ANNUAL SEVEN-DAY MINIMUM	6370	Oct 1	4320	Jun 4	1640	May 14 1985
MAXIMUM PEAK FLOW			60700	Sep 17	202000	Jul 7 1994
MAXIMUM PEAK STAGE			101.78	Sep 17	123.98	Jul 7 1994
ANNUAL RUNOFF (CFSM)	1.90		1.27		1.30	
ANNUAL RUNOFF (INCHES)	25.75		17.32		17.64	
10 PERCENT EXCEEDS	30400		17700		21300	
50 PERCENT EXCEEDS	11600		8250		8330	
90 PERCENT EXCEEDS	7350		5560		1980	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102.16	102.20	102.57	102.42	102.07	102.28	102.46	102.02	101.47	102.14	102.04	102.10
2	102.08	102.32	102.35	102.27	101.87	102.25	102.25	102.20	102.03	102.32	102.11	102.04
3	102.16	101.90	102.58	---	102.25	101.86	102.14	102.06	101.80	102.48	102.21	101.90
4	102.12	102.31	102.64	102.22	102.01	102.10	102.53	101.44	101.79	102.45	102.02	101.98
5	101.70	101.96	102.66	102.40	102.25	102.22	102.20	101.97	101.74	102.32	102.13	102.08
6	101.50	102.18	102.57	102.17	101.77	102.38	102.05	102.23	101.74	102.17	102.06	101.54
7	101.96	102.42	102.58	102.18	100.82	102.27	102.24	101.98	101.49	102.31	102.11	101.28
8	102.38	101.99	102.56	---	100.52	102.39	102.04	102.05	101.74	102.39	101.83	100.76
9	102.23	102.07	102.56	102.17	101.43	102.03	102.15	102.00	101.74	102.41	101.66	101.79
10	102.29	102.19	102.38	102.24	101.37	102.06	102.05	102.12	101.73	102.30	102.02	102.01
11	102.51	102.67	102.54	102.42	101.51	102.12	102.11	102.17	101.86	102.16	102.24	102.06
12	102.43	102.77	102.41	102.13	101.92	102.27	101.97	102.14	101.96	102.21	102.26	102.21
13	102.72	102.75	102.52	102.51	101.56	102.12	101.77	102.15	101.89	102.24	102.31	102.17
14	102.87	102.69	102.36	102.25	100.47	102.24	102.27	102.04	101.94	102.26	102.30	102.21
15	102.30	102.74	102.50	102.28	100.78	102.21	102.20	101.85	---	102.16	102.08	102.14
16	102.43	102.75	102.34	102.39	100.95	102.22	102.21	101.74	102.01	102.17	102.32	101.37
17	102.44	102.54	102.38	102.15	101.68	102.11	101.65	101.80	102.04	102.28	102.04	103.09
18	102.52	102.68	102.56	102.17	100.88	102.26	101.82	101.95	102.07	102.32	102.25	103.25
19	102.48	102.79	102.42	102.43	100.68	102.22	101.85	102.06	102.23	102.23	101.81	102.03
20	102.48	102.80	102.47	102.05	101.67	102.09	102.00	101.81	102.08	102.28	101.92	101.30
21	101.82	102.78	102.29	102.07	101.81	101.86	101.79	102.00	102.18	102.25	102.16	100.82
22	102.35	102.65	102.20	102.26	102.11	102.18	102.09	102.11	101.98	102.16	101.79	100.71
23	102.04	102.65	102.01	102.28	102.14	102.13	102.00	102.02	102.22	---	102.06	100.96
24	102.08	102.71	102.27	102.35	101.98	102.18	---	101.98	102.39	102.10	101.98	101.04
25	102.09	102.80	102.19	102.20	102.29	102.19	101.70	101.57	102.45	102.07	102.09	101.39
26	101.94	102.79	102.15	101.72	102.22	102.20	101.39	101.61	102.57	102.27	102.02	101.17
27	102.10	102.77	101.96	101.05	101.27	101.92	101.82	101.67	102.51	102.15	102.00	101.70
28	102.33	102.84	102.15	101.28	101.13	101.88	101.93	101.33	102.38	102.18	101.91	102.23
29	102.40	102.74	102.10	101.80	102.28	101.54	101.61	101.28	102.27	102.25	101.87	101.94
30	102.20	102.53	102.14	102.34	---	102.03	101.88	101.83	102.17	102.32	101.73	101.22
31	102.28	---	102.33	---	---	102.19	---	100.95	---	102.22	101.97	---
MEAN	102.24	102.53	102.38	---	101.58	102.13	---	101.88	---	---	102.04	101.75
MAX	102.87	102.84	102.66	---	102.29	102.39	---	102.23	---	---	102.32	103.25
MIN	101.50	101.90	101.96	---	100.47	101.54	---	100.95	---	---	101.66	100.71

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.02	0.65	0.04	0.01	0.41
2	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.79	0.25	0.01	0.01	0.00
3	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.54	0.00	0.00	0.00
4	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.00	0.00
5	0.00	0.07	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.01	2.36	0.02	0.00	0.00	0.00	0.00	0.00	1.15
7	0.01	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.01	0.00	0.00	0.09
8	0.00	0.00	0.00	0.01	0.00	0.00	0.43	0.00	0.58	0.06	0.00	0.00
9	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.02	0.00	0.23	0.00	0.08	0.00	0.00	0.00	0.05	0.00	0.26	0.04
11	0.43	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.02	0.49
12	0.15	0.00	0.00	0.00	0.58	0.00	0.29	1.12	0.00	0.23	0.35	0.00
13	0.00	0.00	0.70	0.00	0.02	0.00	0.25	0.16	1.52	1.14	0.00	0.09
14	0.00	0.00	0.09	0.00	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.18	2.28	0.00	0.26
16	0.00	0.00	0.05	0.00	0.00	0.10	0.00	0.04	0.22	0.01	0.37	1.96
17	0.00	0.00	0.01	0.21	0.00	0.00	0.00	0.03	0.11	0.01	0.00	0.00
18	0.00	0.75	0.00	0.06	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
19	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.14	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
23	0.00	0.00	0.26	0.00	0.52	0.00	0.00	0.00	0.15	0.00	0.00	0.00
24	0.00	0.20	0.00	0.00	0.18	0.00	0.00	0.00	0.04	0.00	0.00	0.00
25	0.00	0.00	0.00	0.01	0.43	0.00	0.00	0.00	0.02	0.00	0.00	0.00
26	0.55	0.00	0.00	0.66	0.18	0.00	0.05	0.00	1.59	0.02	0.00	0.00
27	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.01	0.00	1.53
28	0.69	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.01	0.00	0.00
29	0.00	0.00	0.09	0.00	0.00	0.00	0.78	0.00	0.00	0.31	0.14	0.00
30	0.00	0.00	0.06	0.00	---	0.17	1.83	0.00	0.00	0.05	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.80	---	0.01	0.09	---
TOTAL	1.92	2.21	1.57	1.27	6.24	0.29	3.74	3.72	6.59	4.24	1.78	6.02

WTR YR 2004 TOTAL 39.59

2004 Water Year

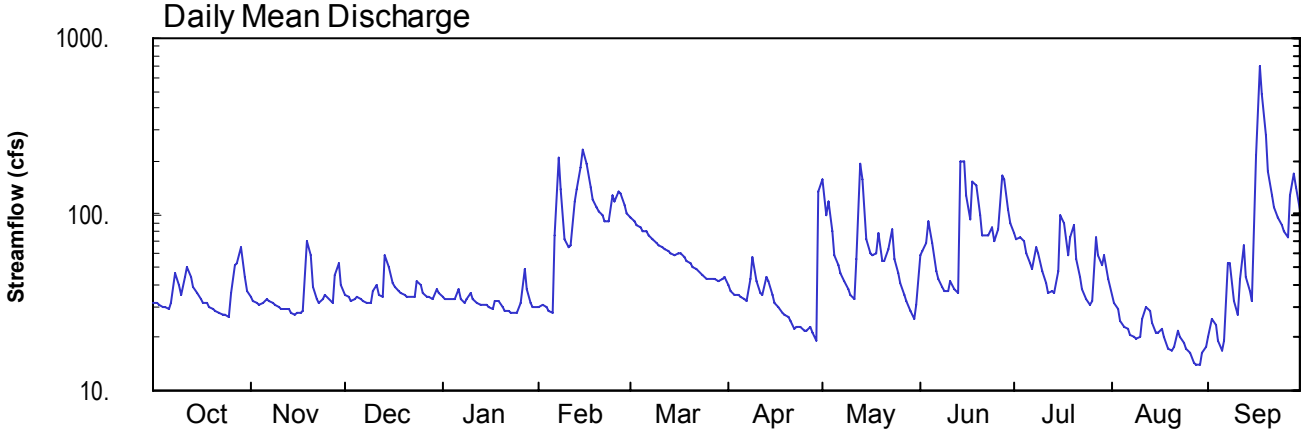
APALACHICOLA RIVER BASIN

02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA

Latitude: 31°10'51" Longitude: 085°02'37" Hydrologic Unit Code: 03130004

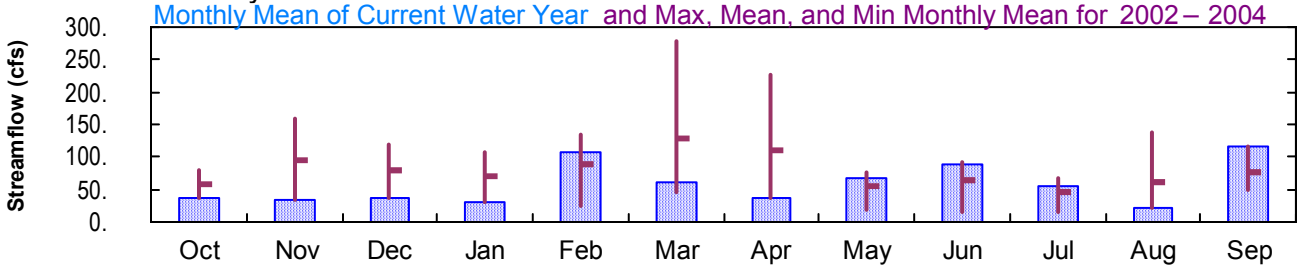
Early County Datum: 99.00 feet Drainage Area: 64.2 mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA

LOCATION.—Lat 31°10'40", long 85°02'37", referenced to North American Datum (NAD) of 1927, Early County, Hydrologic Unit 03130004, 0.3 miles west of GA 363 on GA 273, 0.30 miles west of Cedar Springs.

DRAINAGE AREA.—64.2 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 99.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 99.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.11 feet, September 17; minimum gage-height recorded, 2.01 feet, August 27-29.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311051 LONGITUDE 0850237 NAD83 DRAINAGE AREA 64.2* CONTRIBUTING DRAINAGE AREA DATUM 99.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	34	35	34	30	96	40	158	59	77	35	20
2	31	33	34	33	31	91	37	99	62	72	31	25
3	30	31	32	33	30	87	35	118	68	74	29	24
4	30	31	33	33	29	83	35	79	91	70	25	19
5	30	32	34	33	28	81	34	58	69	60	23	17
6	29	33	33	38	77	80	33	51	48	53	22	19
7	31	32	32	33	211	77	33	46	43	48	21	53
8	47	31	32	31	137	72	43	42	39	65	20	53
9	40	30	32	33	71	68	57	38	37	60	20	33
10	35	30	37	36	65	67	42	35	37	48	20	27
11	44	29	39	33	66	64	36	34	42	41	25	43
12	51	29	35	31	118	63	35	55	38	36	30	67
13	44	29	34	31	137	62	45	194	35	36	28	44
14	39	27	58	30	182	60	41	160	200	36	24	36
15	36	27	51	30	230	59	34	72	201	47	21	33
16	33	28	41	30	192	60	32	60	130	100	21	215
17	32	28	38	29	142	60	30	59	94	89	23	702
18	31	28	37	32	122	56	28	60	154	58	20	487
19	30	70	36	33	111	54	27	78	146	74	17	280
20	29	59	35	30	104	53	26	54	100	86	17	173
21	29	38	34	28	99	50	25	54	77	56	18	129
22	28	34	34	28	92	48	22	63	75	44	22	108
23	27	32	34	28	91	46	23	83	75	37	20	96
24	27	33	42	27	127	45	23	56	84	33	19	88
25	26	35	39	28	119	43	22	47	70	31	17	81
26	35	33	36	31	134	43	22	40	81	32	16	74
27	51	32	34	49	132	43	23	35	164	73	14	129
28	53	45	34	38	112	42	21	33	159	59	14	169
29	65	52	33	32	101	41	19	28	107	52	14	143
30	45	40	37	30	---	43	134	26	89	59	17	107
31	37	---	36	29	---	44	---	31	---	43	18	---
TOTAL	1127	1045	1131	994	3120	1881	1057	2046	2674	1749	661	3494
MEAN	36.4	34.8	36.5	32.1	108	60.7	35.2	66.0	89.1	56.4	21.3	116
MAX	65	70	58	49	230	96	134	194	201	100	35	702
MIN	26	27	32	27	28	41	19	26	35	31	14	17
MED	32	32	35	31	111	60	33	55	76	56	20	70
AC-FT	2240	2070	2240	1970	6190	3730	2100	4060	5300	3470	1310	6930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	58.7	96.3	78.1	69.8	89.6	128	109	53.9	65.7	46.7	60.3	78.0
MAX	81.0	158	120	107	135	277	227	76.1	91.7	67.9	138	116
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2004
MIN	36.4	34.8	36.5	32.1	25.7	45.3	35.2	19.6	16.4	15.8	21.3	49.9
(WY)	2004	2004	2004	2004	2002	2002	2004	2002	2002	2002	2004	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	38814		20979			
ANNUAL MEAN	106		57.3		92.3	
HIGHEST ANNUAL MEAN					127	2003
LOWEST ANNUAL MEAN					57.3	2004
HIGHEST DAILY MEAN	998	Apr 9	702	Sep 17	998	Apr 9 2003
LOWEST DAILY MEAN	26	Oct 25	14	Aug 27 a	5.8	Jul 18 2002
ANNUAL SEVEN-DAY MINIMUM	28	Oct 19	16	Aug 25	7.6	Jul 14 2002
MAXIMUM PEAK FLOW			839	Sep 17		
MAXIMUM PEAK STAGE			8.11	Sep 17		
INSTANTANEOUS LOW FLOW			14	Aug 27		
ANNUAL RUNOFF (AC-FT)	76990		41610		66840	
10 PERCENT EXCEEDS	229		109		185	
50 PERCENT EXCEEDS	70		38		66	
90 PERCENT EXCEEDS	32		24		29	

a Also Aug 28,29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311051 LONGITUDE 0850237 NAD83 DRAINAGE AREA 64.2* CONTRIBUTING DRAINAGE AREA DATUM 99.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.45	2.50	2.52	2.50	2.41	3.76	2.62	4.73	3.02	3.41	2.52	2.19
2	2.44	2.47	2.49	2.48	2.43	3.68	2.56	3.83	3.09	3.31	2.44	2.31
3	2.42	2.45	2.47	2.48	2.41	3.60	2.52	4.15	3.23	3.36	2.39	2.27
4	2.42	2.44	2.48	2.48	2.38	3.53	2.52	3.45	3.67	3.26	2.30	2.17
5	2.41	2.45	2.49	2.48	2.37	3.49	2.50	3.01	3.23	3.04	2.26	2.10
6	2.40	2.48	2.48	2.57	3.27	3.46	2.48	2.85	2.78	2.89	2.24	2.16
7	2.44	2.46	2.46	2.49	5.34	3.41	2.47	2.74	2.67	2.79	2.20	2.89
8	2.75	2.44	2.45	2.45	4.41	3.31	2.68	2.65	2.59	3.14	2.19	2.89
9	2.61	2.43	2.45	2.47	3.29	3.23	2.97	2.58	2.56	3.04	2.18	2.47
10	2.52	2.41	2.55	2.53	3.15	3.19	2.65	2.53	2.55	2.78	2.19	2.34
11	2.70	2.40	2.60	2.48	3.18	3.14	2.53	2.49	2.66	2.64	2.31	2.69
12	2.83	2.39	2.52	2.44	4.09	3.11	2.52	2.91	2.57	2.54	2.41	3.18
13	2.70	2.39	2.51	2.43	4.44	3.08	2.71	5.16	2.53	2.54	2.37	2.69
14	2.60	2.35	3.00	2.43	4.98	3.05	2.65	4.67	5.20	2.54	2.28	2.55
15	2.54	2.35	2.83	2.43	5.54	3.03	2.51	3.31	5.24	2.77	2.21	2.47
16	2.47	2.37	2.63	2.41	5.14	3.05	2.45	3.04	4.32	3.83	2.21	4.85
17	2.45	2.37	2.59	2.40	4.51	3.05	2.41	3.03	3.72	3.64	2.25	7.71
18	2.44	2.37	2.56	2.47	4.21	2.96	2.37	3.03	4.68	3.00	2.19	7.01
19	2.42	3.25	2.54	2.47	4.03	2.91	2.35	3.41	4.57	3.33	2.11	5.91
20	2.40	3.02	2.52	2.41	3.91	2.88	2.33	2.91	3.83	3.58	2.10	4.92
21	2.39	2.58	2.50	2.38	3.83	2.83	2.30	2.91	3.40	2.94	2.13	4.33
22	2.37	2.49	2.49	2.37	3.70	2.79	2.24	3.11	3.38	2.69	2.23	3.99
23	2.35	2.45	2.51	2.36	3.67	2.75	2.25	3.51	3.38	2.56	2.19	3.78
24	2.34	2.48	2.65	2.35	4.30	2.72	2.25	2.95	3.55	2.48	2.16	3.61
25	2.33	2.53	2.60	2.37	4.16	2.68	2.23	2.75	3.26	2.43	2.12	3.48
26	2.52	2.47	2.53	2.44	4.40	2.67	2.22	2.62	3.47	2.45	2.09	3.35
27	2.85	2.45	2.50	2.80	4.37	2.68	2.25	2.52	4.81	3.31	2.03	4.26
28	2.89	2.72	2.49	2.58	4.06	2.67	2.21	2.47	4.75	3.02	2.02	4.88
29	3.16	2.87	2.49	2.45	3.86	2.64	2.16	2.37	3.97	2.86	2.03	4.52
30	2.71	2.61	2.56	2.42	---	2.67	4.31	2.31	3.63	3.02	2.09	3.97
31	2.55	---	2.54	2.40	---	2.69	---	2.42	---	2.67	2.13	---
MEAN	2.54	2.51	2.55	2.46	3.86	3.06	2.51	3.11	3.54	2.96	2.21	3.60
MAX	3.16	3.25	3.00	2.80	5.54	3.76	4.31	5.16	5.24	3.83	2.52	7.71
MIN	2.33	2.35	2.45	2.35	2.37	2.64	2.16	2.31	2.53	2.43	2.02	2.10

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311051 LONGITUDE 0850237 NAD83 DRAINAGE AREA 64.2* CONTRIBUTING DRAINAGE AREA DATUM 99.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.27	0.84	0.05	0.00	0.32
2	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.52	0.27	0.03	0.31	0.09
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.58	0.03	0.01	0.00
4	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
5	0.00	0.18	0.01	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.01	2.05	0.10	0.00	0.00	0.00	0.00	0.00	1.45
7	0.29	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.06	0.01	0.00	0.16
8	0.00	0.00	0.00	0.02	0.00	0.00	0.67	0.00	0.63	0.45	0.00	0.00
9	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.17	0.00	0.33	0.00	0.10	0.00	0.00	0.00	0.10	0.00	0.59	0.26
11	0.57	0.00	0.00	0.00	0.25	0.00	0.01	0.00	0.01	0.00	0.01	0.78
12	0.15	0.00	0.00	0.00	1.07	0.00	0.56	0.79	0.54	0.00	0.18	0.00
13	0.01	0.00	0.66	0.00	0.02	0.00	0.24	0.01	1.68	0.07	0.00	0.12
14	0.00	0.00	0.16	0.00	1.42	0.00	0.00	0.00	0.19	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.26	2.73	0.00	0.32
16	0.00	0.00	0.01	0.00	0.00	0.12	0.00	0.10	0.00	0.00	0.47	4.56
17	0.00	0.00	0.01	0.15	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00
18	0.00	0.98	0.00	0.05	0.00	0.00	0.00	1.34	0.00	0.01	0.00	0.00
19	0.00	0.39	0.00	0.01	0.00	0.00	0.00	0.67	0.15	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.70	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.01	0.00
23	0.00	0.00	0.29	0.00	0.74	0.00	0.00	0.00	0.42	0.00	0.00	0.00
24	0.00	0.23	0.00	0.00	0.28	0.00	0.00	0.00	0.16	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.02	0.00	0.00	0.00
26	1.74	0.00	0.00	0.60	0.27	0.00	0.06	0.00	0.89	1.94	0.00	0.02
27	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.14	0.00	1.87
28	0.91	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.01	0.00	0.00
29	0.00	0.00	0.24	0.00	0.00	0.00	0.66	0.00	0.01	0.87	0.18	0.00
30	0.00	0.00	0.05	0.00	---	0.29	3.68	0.00	0.00	0.00	0.01	0.00
31	0.00	---	0.01	0.00	---	0.00	---	0.67	---	0.00	0.17	---
TOTAL	3.91	2.53	1.94	1.25	6.63	0.51	5.93	4.39	8.60	6.36	2.65	9.95

2004 Water Year

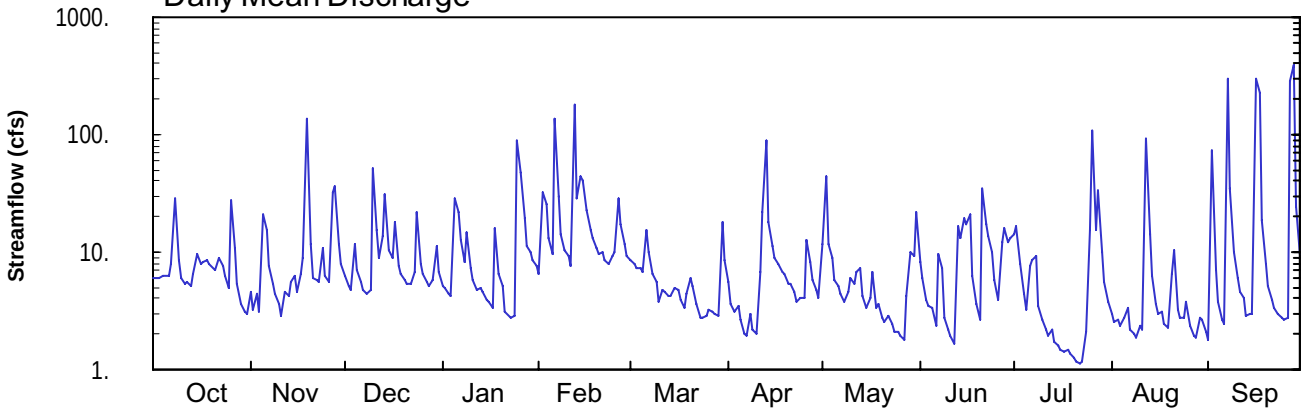
APALACHICOLA RIVER BASIN

02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA

Latitude: 33°33'41" Longitude: 084°29'23" Hydrologic Unit Code: 03130005

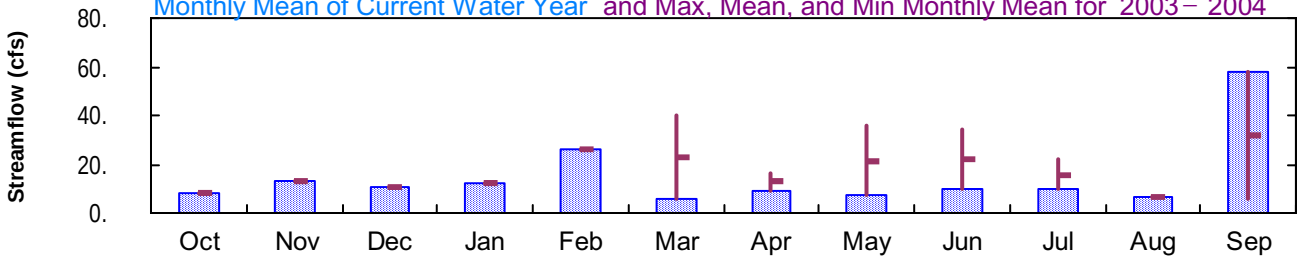
Fulton County Datum: 850.00 feet Drainage Area: 11.1 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA

LOCATION.—Lat 33°33'41", long 84°29'23", referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130005, on the left upstream bank of Bethsaida Road, 0.6 miles upstream of Shannon Creek

DRAINAGE AREA.—11.1 square miles.

COOPERATION.—Fulton County.

WATER–DISCHARGE RECORDS

PERIOD OF RECORD.—February 8, 2003 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

WATER–STAGE RECORDS

PERIOD OF RECORD.—February 8, 2003 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.27 feet, September 28; minimum gage-height recorded, 1.24 feet, July 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.— February 8, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333341 LONGITUDE 0842923 NAD27 DRAINAGE AREA 11.1 CONTRIBUTING DRAINAGE AREA 11.1* DATUM 850.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	4.6	6.3	5.1	6.6	8.5	5.6	12	8.3	14	3.0	1.8
2	6.0	3.2	5.2	5.0	32	8.0	3.6	44	6.1	17	2.6	74
3	6.0	4.4	4.8	4.4	25	7.4	3.1	12	3.9	8.0	2.7	7.1
4	6.4	3.1	12	4.3	13	7.3	3.5	8.8	3.4	4.3	2.4	3.8
5	6.2	21	7.1	28	9.6	6.9	2.7	5.9	3.4	3.2	2.8	2.6
6	6.2	16	5.5	21	135	15	2.0	5.1	2.3	7.7	3.4	2.4
7	8.0	7.5	4.8	12	30	9.8	2.0	4.3	9.6	8.5	2.2	298
8	28	5.4	4.4	8.3	14	6.6	3.0	3.7	7.2	9.1	2.0	35
9	8.5	4.4	4.8	15	10	5.7	2.2	4.6	2.7	3.5	1.8	9.9
10	6.1	3.6	51	7.3	9.1	3.8	2.0	6.0	2.1	2.7	2.4	6.0
11	5.3	2.9	15	5.8	7.7	4.8	6.6	5.4	1.9	2.2	2.1	4.6
12	5.6	4.5	9.0	4.8	176	4.5	22	6.6	1.7	2.0	93	4.1
13	5.2	4.2	14	5.0	28	4.2	87	7.5	17	2.1	14	2.9
14	6.4	5.6	31	4.5	44	4.2	18	4.3	13	1.7	6.2	3.0
15	9.6	6.4	11	3.9	41	4.9	11	3.4	20	1.6	3.7	3.0
16	7.9	4.5	9.1	3.7	22	4.8	8.9	4.1	17	1.5	3.0	301
17	8.1	6.4	18	3.4	15	3.9	8.0	6.7	21	1.4	3.1	223
18	8.4	8.9	7.7	16	13	3.3	6.8	3.4	6.3	1.5	2.5	18
19	8.0	139	6.5	6.5	11	4.3	6.5	3.6	3.7	1.4	2.3	8.1
20	7.4	12	5.9	5.2	9.7	6.0	5.5	2.8	2.6	1.3	6.4	5.2
21	7.1	6.1	5.3	3.1	9.9	5.2	5.4	2.6	35	1.2	10	3.9
22	9.0	5.8	5.4	2.8	8.5	3.7	4.6	2.8	17	1.1	3.2	3.4
23	7.7	5.6	6.7	2.7	8.0	2.8	3.7	2.5	13	1.2	2.7	2.9
24	6.2	11	22	2.9	9.3	2.8	4.0	2.1	10	2.1	2.8	2.8
25	5.0	6.2	8.0	91	10	2.9	4.1	2.1	5.9	16	3.8	2.7
26	27	5.6	6.4	49	29	3.3	13	1.9	3.9	109	2.4	2.7
27	11	32	5.5	19	17	3.0	8.3	1.8	12	15	2.0	e287
28	5.3	36	5.2	11	12	2.9	5.8	4.2	16	34	1.9	e390
29	3.6	12	5.8	9.9	9.2	2.8	4.7	10	12	9.9	2.7	25
30	3.1	7.8	11	8.5	---	18	4.1	9.3	13	5.6	2.6	9.7
31	3.0	---	6.7	7.7	---	8.5	---	22	---	3.8	2.1	---
TOTAL	247.4	395.7	321.1	376.8	764.6	179.8	267.7	215.5	291.0	293.6	197.8	1743.6
MEAN	7.98	13.2	10.4	12.2	26.4	5.80	8.92	6.95	9.70	9.47	6.38	58.1
MAX	28	139	51	91	176	18	87	44	35	109	93	390
MIN	3.0	2.9	4.4	2.7	6.6	2.8	2.0	1.8	1.7	1.1	1.8	1.8
MED	6.4	5.9	6.7	5.8	13	4.8	5.0	4.3	7.8	3.2	2.7	4.9
AC-FT	491	785	637	747	1520	357	531	427	577	582	392	3460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	7.98	13.2	10.4	12.2	26.4	22.7	12.7	21.6	21.9	15.6	6.31	31.7
MAX	7.98	13.2	10.4	12.2	26.4	39.6	16.6	36.3	34.1	21.7	6.38	58.1
(WY)	2004	2004	2004	2004	2004	2003	2003	2003	2003	2003	2004	2004
MIN	7.98	13.2	10.4	12.2	26.4	5.80	8.92	6.95	9.70	9.47	6.25	5.33
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003	2003

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	5294.6			
ANNUAL MEAN	14.5		14.5	
HIGHEST ANNUAL MEAN			14.5	2004
LOWEST ANNUAL MEAN			14.5	2004
HIGHEST DAILY MEAN	e 390	Sep 28	441	Mar 20 2003
LOWEST DAILY MEAN	1.1	Jul 22	1.1	Jul 22 2004
ANNUAL SEVEN-DAY MINIMUM	1.3	Jul 17	1.3	Jul 17 2004
MAXIMUM PEAK STAGE	9.27	Sep 28	9.27	Sep 28 2004
ANNUAL RUNOFF (AC-FT)	10500		10480	
10 PERCENT EXCEEDS	22		22	
50 PERCENT EXCEEDS	5.9		5.9	
90 PERCENT EXCEEDS	2.4		2.4	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333341 LONGITUDE 0842923 NAD27 DRAINAGE AREA 11.1 CONTRIBUTING DRAINAGE AREA 11.1* DATUM 850.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.68	1.63	1.71	1.66	1.72	1.75	1.67	1.82	1.68	1.90	1.50	1.39
2	1.68	1.59	1.67	1.66	2.24	1.74	1.61	2.53	1.60	1.97	1.48	2.81
3	1.68	1.63	1.65	1.64	2.20	1.72	1.59	1.83	1.51	1.71	1.48	1.68
4	1.69	1.58	1.87	1.63	1.92	1.72	1.61	1.73	1.49	1.57	1.46	1.54
5	1.69	1.99	1.74	2.17	1.83	1.71	1.58	1.61	1.49	1.51	1.47	1.48
6	1.69	1.95	1.68	2.11	3.43	1.93	1.52	1.58	1.41	1.65	1.51	1.46
7	1.74	1.72	1.65	1.90	2.31	1.79	1.53	1.55	1.62	1.72	1.44	4.93
8	2.24	1.66	1.64	1.79	1.95	1.70	1.59	1.52	1.67	1.74	1.42	2.39
9	1.75	1.63	1.65	1.95	1.86	1.67	1.55	1.55	1.49	1.54	1.40	1.78
10	1.68	1.60	2.65	1.75	1.81	1.61	1.54	1.62	1.43	1.48	1.45	1.64
11	1.66	1.57	1.96	1.69	1.76	1.64	1.72	1.59	1.41	1.43	1.43	1.58
12	1.67	1.63	1.81	1.65	3.97	1.63	1.96	1.62	1.37	1.41	3.06	1.56
13	1.65	1.62	1.91	1.66	2.26	1.62	3.25	1.67	1.92	1.43	1.90	1.50
14	1.69	1.67	2.32	1.64	2.58	1.62	2.06	1.55	1.87	1.37	1.64	1.50
15	1.79	1.69	1.86	1.61	2.53	1.64	1.88	1.51	1.96	1.35	1.54	1.50
16	1.74	1.63	1.81	1.61	2.12	1.64	1.79	1.52	1.98	1.34	1.51	3.67
17	1.74	1.69	2.03	1.59	1.94	1.61	1.75	1.64	2.06	1.33	1.51	4.22
18	1.75	1.77	1.77	1.97	1.89	1.59	1.70	1.50	1.65	1.33	1.47	2.02
19	1.74	3.56	1.72	1.72	1.82	1.63	1.69	1.51	1.54	1.31	1.45	1.71
20	1.72	1.88	1.69	1.67	1.79	1.68	1.63	1.47	1.48	1.29	1.57	1.60
21	1.71	1.70	1.67	1.58	1.80	1.65	1.63	1.44	2.25	1.28	1.77	1.55
22	1.77	1.69	1.67	1.57	1.75	1.60	1.60	1.46	1.99	1.27	1.52	1.52
23	1.73	1.69	1.72	1.56	1.74	1.56	1.55	1.47	1.87	1.28	1.49	1.50
24	1.68	1.84	2.11	1.57	1.78	1.57	1.57	1.40	1.78	1.34	1.49	1.49
25	1.65	1.71	1.77	3.15	1.80	1.57	1.56	1.40	1.63	1.59	1.51	1.48
26	2.19	1.68	1.72	2.64	2.27	1.59	1.84	1.38	1.55	3.24	1.46	1.49
27	1.82	2.16	1.68	2.05	1.99	1.58	1.71	1.36	1.76	1.93	1.41	3.51
28	1.66	2.43	1.67	1.88	1.84	1.58	1.62	1.46	1.95	2.32	1.40	5.03
29	1.60	1.88	1.69	1.84	1.77	1.57	1.57	1.70	1.83	1.78	1.44	2.18
30	1.58	1.77	1.86	1.79	---	2.00	1.55	1.71	1.83	1.62	1.47	1.77
31	1.58	---	1.72	1.77	---	1.75	---	2.01	---	1.54	1.43	---
MEAN	1.73	1.81	1.81	1.82	2.09	1.67	1.71	1.60	1.70	1.60	1.55	2.12
MAX	2.24	3.56	2.65	3.15	3.97	2.00	3.25	2.53	2.25	3.24	3.06	5.03
MIN	1.58	1.57	1.64	1.56	1.72	1.56	1.52	1.36	1.37	1.27	1.40	1.39

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333341 LONGITUDE 0842923 NAD27 DRAINAGE AREA 11.1 CONTRIBUTING DRAINAGE AREA 11.1* DATUM 850.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	---	---	---	---	---	0.47	0.00	0.02
2	0.00	0.00	0.00	0.00	---	---	---	---	---	0.26	0.06	2.71
3	0.00	0.00	---	0.00	---	---	---	---	---	0.00	0.00	0.00
4	0.00	0.00	0.22	0.00	---	---	---	---	---	0.00	0.00	0.00
5	0.00	0.67	0.00	0.72	---	---	---	---	---	0.00	0.28	0.00
6	0.09	0.03	0.00	0.00	---	---	---	---	---	0.03	0.00	0.24
7	0.26	0.01	0.00	0.00	---	---	---	---	0.07	0.92	0.00	3.72
8	0.30	0.00	0.01	0.04	---	---	---	---	0.00	0.00	0.00	0.03
9	0.00	0.00	0.00	0.23	---	---	---	---	0.00	0.00	0.00	0.00
10	0.01	0.00	1.05	0.00	---	---	---	---	0.00	0.00	0.09	0.00
11	0.01	0.00	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	---	---	---	---	0.00	0.15	2.27	0.00
13	0.00	0.00	0.47	0.00	---	---	---	---	1.01	0.00	0.00	0.00
14	0.03	0.00	0.21	0.00	---	---	---	---	0.06	0.01	0.00	0.00
15	0.00	0.00	0.00	0.00	---	---	---	---	0.53	0.00	0.00	0.00
16	0.00	0.01	0.20	0.00	---	---	---	---	0.47	0.00	0.00	4.57
17	0.03	0.00	0.05	0.22	---	---	---	---	0.00	0.00	0.01	0.31
18	0.00	0.55	0.05	0.02	---	---	---	---	0.00	0.02	0.00	0.00
19	0.00	1.85	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	---	---	---	---	---	0.06	0.00	0.34	0.00
21	0.00	0.00	0.00	---	---	---	---	---	0.53	0.00	0.03	0.00
22	0.00	0.00	0.00	---	---	---	---	---	0.14	0.00	0.00	0.00
23	0.00	0.00	0.52	---	---	---	---	---	0.05	0.00	0.00	0.00
24	0.00	0.27	0.00	---	---	---	---	---	0.01	0.53	0.00	0.00
25	0.00	0.00	0.00	---	---	---	---	---	0.06	2.19	0.00	0.00
26	0.73	0.00	0.00	---	---	---	---	---	0.02	0.02	0.00	0.00
27	0.00	0.95	0.00	---	---	---	---	---	0.18	0.88	0.00	5.67
28	0.00	0.27	0.00	---	---	---	---	---	0.35	0.00	0.00	0.01
29	0.10	0.00	0.08	---	---	---	---	---	0.01	0.00	0.14	0.00
30	0.00	0.00	0.16	---	---	---	---	---	0.81	0.00	0.00	0.00
31	0.00	---	0.00	---	---	---	---	---	---	0.00	0.00	---
TOTAL	1.56	4.61	---	---	---	---	---	---	---	5.48	3.22	17.28

2004 Water Year

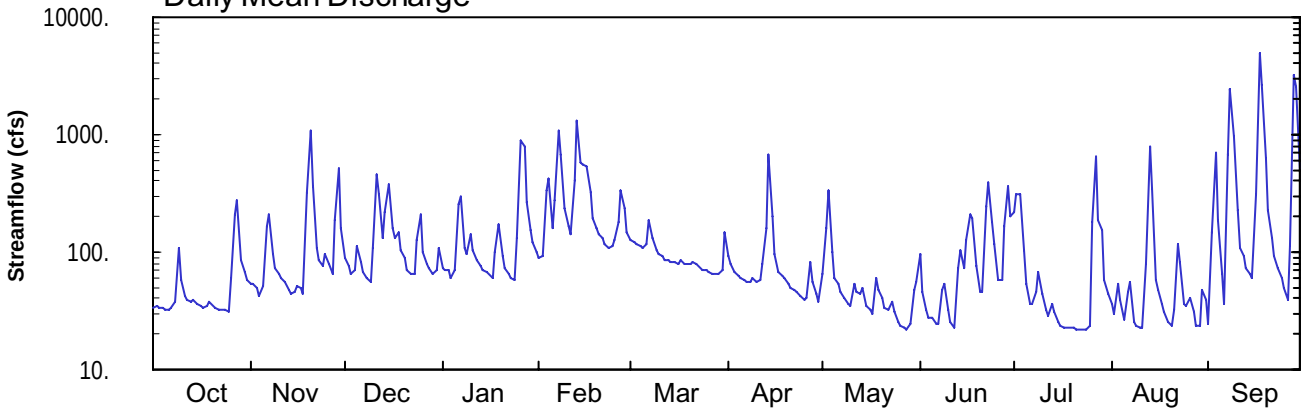
APALACHICOLA RIVER BASIN

02344350 FLINT RIVER NEAR LOVEJOY, GA

Latitude: 33°24'56" Longitude: 084°23'05" Hydrologic Unit Code: 03130005

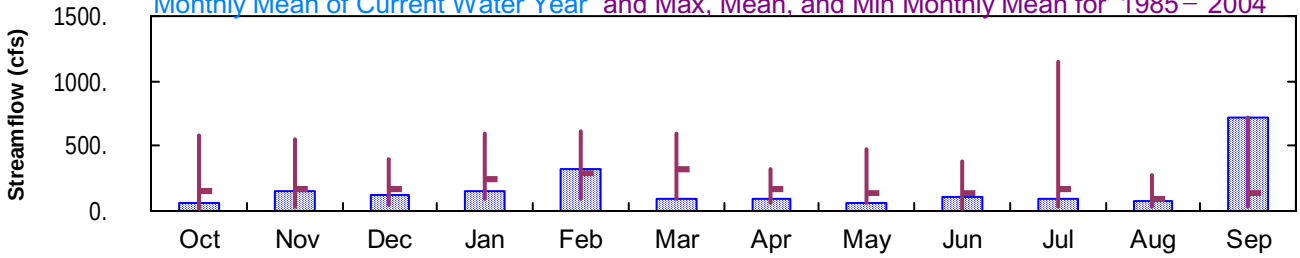
Clayton County Datum: 758.75 feet Drainage Area: 130. mi²

Daily Mean Discharge

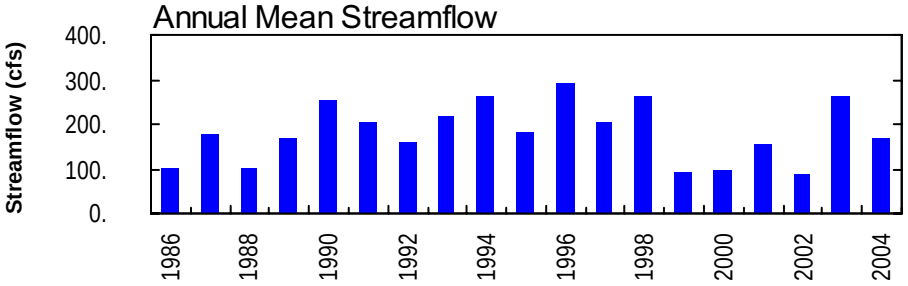


Monthly Statistics

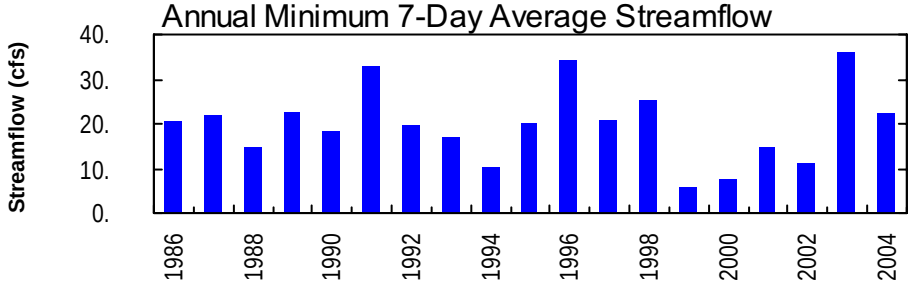
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1985 – 2004



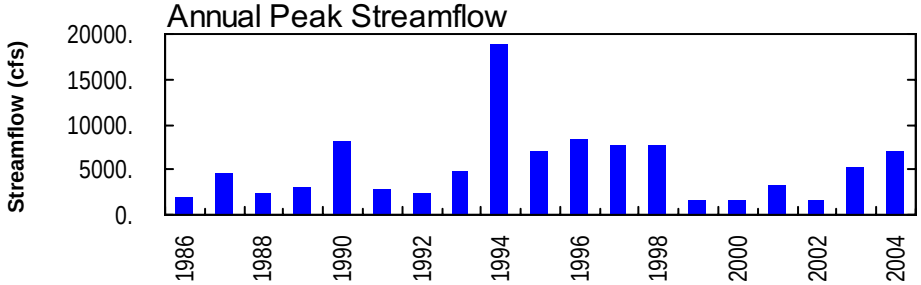
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02344350 FLINT RIVER NEAR LOVEJOY, GA

LOCATION.—Lat 33°24'56", long 84°23'05", referenced to North American Datum (NAD) of 1983, Clayton County, Hydrologic Unit 03130005, at the downstream side of bridge on North Bridge Road (revised), 0.7 miles upstream from Shoal Creek, 4.4 miles southwest of Lovejoy, 4.7 miles southeast of Fayetteville, and at mile 325.7.

DRAINAGE AREA.—130 square miles.

COOPERATION.—Clayton County Water Authority.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1985 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 758.75 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Clayton County Water Authority).

REMARKS.—Records good. Discharge affected by diversion by the Clayton County Water Authority.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,300 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/20	0730	1,340	9.64
02/07	1545	1,360	9.74
02/13	0700	1,510	10.15
09/08	0745	2,910	12.31
09/17	1430	6,960*	16.37*
09/28	1745	5,890	15.29

02344350 FLINT RIVER NEAR LOVEJOY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1985 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 758.75 feet above sea level (levels by Clayton County Water Authority).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.37 feet, September 17; minimum gage-height recorded, 1.87 feet, July 22-25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344350 FLINT RIVER NEAR LOVEJOY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 063
LATITUDE 332456 LONGITUDE 0842305 NAD83 DRAINAGE AREA 130 CONTRIBUTING DRAINAGE AREA 130* DATUM 758.75 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	55	89	74	90	129	91	65	94	217	36	25
2	35	53	77	72	92	121	79	158	46	312	30	147
3	33	49	66	69	339	118	67	329	32	306	53	697
4	33	42	71	61	418	112	62	101	28	102	39	187
5	33	52	110	72	160	110	61	60	27	53	27	64
6	32	168	83	255	280	118	59	54	25	36	46	36
7	34	210	68	294	1090	187	56	46	24	37	55	690
8	38	95	60	108	672	129	57	40	48	46	26	2420
9	106	73	57	96	239	102	61	37	54	68	23	963
10	59	66	107	141	167	96	56	35	32	45	23	229
11	43	60	466	103	141	91	58	53	25	33	23	106
12	40	56	313	86	405	86	78	45	23	28	79	93
13	38	47	132	75	1290	84	159	44	74	36	798	74
14	39	44	220	71	583	83	664	50	104	31	350	66
15	36	45	377	69	548	82	200	35	75	25	59	59
16	35	51	162	64	531	80	96	32	126	23	47	313
17	33	49	132	60	328	85	69	30	208	23	36	4990
18	34	43	148	100	197	81	63	60	195	23	32	2620
19	38	320	104	170	159	79	60	47	76	23	26	618
20	34	1100	89	91	139	79	54	41	45	22	24	229
21	33	369	71	72	133	84	50	34	45	22	32	131
22	33	110	66	65	119	81	47	32	245	22	117	94
23	32	87	66	61	108	73	45	38	396	22	81	73
24	32	76	124	57	112	71	42	31	179	22	36	61
25	31	98	211	129	125	71	40	26	115	24	35	49
26	60	78	100	894	183	68	40	23	58	182	40	39
27	212	66	78	786	332	64	82	23	58	650	32	110
28	273	185	72	263	239	64	56	22	165	189	24	3230
29	86	524	65	153	148	65	43	24	365	154	23	2540
30	69	161	71	123	---	70	38	47	203	57	47	514
31	59	---	106	101	---	146	---	55	---	44	40	---
TOTAL	1726	4432	3961	4835	9367	2909	2633	1717	3190	2877	2339	21467
MEAN	55.7	148	128	156	323	93.8	87.8	55.4	106	92.8	75.5	716
MAX	273	1100	466	894	1290	187	664	329	396	650	798	4990
MIN	31	42	57	57	90	64	38	22	23	22	23	25
CFSM	0.43	1.14	0.98	1.20	2.48	0.72	0.68	0.43	0.82	0.71	0.58	5.50
IN.	0.49	1.27	1.13	1.38	2.68	0.83	0.75	0.49	0.91	0.82	0.67	6.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	154	164	169	246	291	318	176	137	134	175	90.1	134
MAX	584	549	396	590	614	591	320	475	383	1147	275	716
(WY)	1996	1993	1993	1996	1990	2001	1989	2003	2003	1994	1992	2004
MIN	20.5	27.9	53.2	98.7	93.2	93.8	68.5	55.0	21.0	30.3	25.3	30.7
(WY)	2002	2002	1989	1986	2000	2004	1999	1992	1988	1988	1999	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	85344		61453			
ANNUAL MEAN	234		168		182	
HIGHEST ANNUAL MEAN					294	1996
LOWEST ANNUAL MEAN					88.8	2002
HIGHEST DAILY MEAN	3090	Jul 2	4990	Sep 17	11000	Jul 5 1994
LOWEST DAILY MEAN	28	Sep 20	22	May 28 a	5.3	Sep 20 1999
ANNUAL SEVEN-DAY MINIMUM	33	Oct 1	22	Jul 18	5.9	Sep 14 1999
MAXIMUM PEAK FLOW			6960	Sep 17	19000	Jul 5 1994
MAXIMUM PEAK STAGE			16.37	Sep 17	23.60	Jul 5 1994
ANNUAL RUNOFF (CFSM)	1.80		1.29		1.40	
ANNUAL RUNOFF (INCHES)	24.42		17.59		19.04	
10 PERCENT EXCEEDS	462		315		365	
50 PERCENT EXCEEDS	110		70		86	
90 PERCENT EXCEEDS	42		31		27	

a Also Jul 20-24

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344350 FLINT RIVER NEAR LOVEJOY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 063
LATITUDE 332456 LONGITUDE 0842305 NAD83 DRAINAGE AREA 130 CONTRIBUTING DRAINAGE AREA 130* DATUM 758.75 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.12	2.49	3.12	2.93	3.13	3.31	2.88	2.63	3.01	4.19	2.18	1.94
2	2.15	2.47	2.96	2.90	3.15	3.23	2.73	3.70	2.35	4.93	2.06	3.50
3	2.13	2.40	2.82	2.86	5.18	3.20	2.57	5.05	2.10	4.89	2.44	7.16
4	2.12	2.28	2.88	2.75	5.74	3.14	2.51	3.08	2.01	3.10	2.23	3.86
5	2.11	2.44	3.37	2.89	3.88	3.11	2.50	2.57	2.00	2.46	1.99	2.63
6	2.10	3.78	3.04	4.62	4.72	3.19	2.45	2.48	1.94	2.18	2.28	2.18
7	2.14	4.12	2.85	4.91	8.82	3.86	2.41	2.36	1.93	2.19	2.48	6.69
8	2.22	3.03	2.73	3.34	7.06	3.32	2.43	2.26	2.30	2.35	1.97	11.68
9	3.15	2.76	2.68	3.21	4.54	3.02	2.48	2.19	2.47	2.69	1.91	8.19
10	2.55	2.66	3.29	3.69	3.95	2.94	2.42	2.15	2.10	2.32	1.90	4.27
11	2.31	2.57	6.01	3.28	3.70	2.88	2.45	2.46	1.96	2.11	1.89	3.16
12	2.25	2.51	5.04	3.09	5.56	2.83	2.71	2.34	1.89	2.02	2.73	3.01
13	2.22	2.37	3.60	2.94	9.50	2.80	3.51	2.32	2.72	2.17	7.46	2.76
14	2.24	2.33	4.38	2.89	6.69	2.79	6.95	2.42	3.11	2.07	4.96	2.66
15	2.18	2.34	5.52	2.86	6.55	2.78	3.96	2.16	2.75	1.95	2.55	2.56
16	2.16	2.44	3.89	2.79	6.47	2.75	2.99	2.10	3.34	1.91	2.38	4.29
17	2.12	2.40	3.61	2.74	5.19	2.81	2.68	2.06	4.14	1.90	2.17	14.23
18	2.14	2.31	3.75	3.24	4.21	2.76	2.62	2.54	4.00	1.89	2.09	11.58
19	2.21	4.87	3.30	3.97	3.87	2.74	2.58	2.36	2.79	1.89	1.96	6.81
20	2.15	8.84	3.12	3.15	3.68	2.74	2.48	2.26	2.34	1.88	1.92	4.50
21	2.12	5.30	2.88	2.91	3.61	2.79	2.42	2.13	2.28	1.88	2.06	3.70
22	2.11	3.34	2.82	2.80	3.46	2.75	2.37	2.09	4.36	1.88	3.25	3.35
23	2.11	3.09	2.82	2.75	3.35	2.65	2.34	2.21	5.47	1.87	2.82	3.16
24	2.10	2.96	3.49	2.69	3.40	2.62	2.28	2.08	3.89	1.87	2.18	3.06
25	2.08	3.22	4.32	3.45	3.51	2.63	2.25	1.96	3.22	1.92	2.16	2.96
26	2.50	2.98	3.25	7.97	3.95	2.58	2.26	1.91	2.55	3.82	2.26	2.84
27	4.13	2.82	2.98	7.61	5.01	2.54	2.85	1.89	2.54	6.95	2.09	3.59
28	4.56	4.00	2.90	4.73	4.28	2.54	2.51	1.88	3.71	3.91	1.92	11.54
29	2.92	6.41	2.80	3.82	3.51	2.55	2.31	1.93	5.30	3.64	1.91	11.48
30	2.70	3.84	2.89	3.51	---	2.62	2.22	2.37	4.05	2.53	2.33	6.62
31	2.56	---	3.32	3.27	---	3.48	---	2.50	---	2.31	2.24	---
MEAN	2.41	3.31	3.43	3.57	4.82	2.90	2.74	2.40	2.95	2.70	2.48	5.33
MAX	4.56	8.84	6.01	7.97	9.50	3.86	6.95	5.05	5.47	6.95	7.46	14.23
MIN	2.08	2.28	2.68	2.69	3.13	2.54	2.22	1.88	1.89	1.87	1.89	1.94

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344350 FLINT RIVER NEAR LOVEJOY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 063
LATITUDE 332456 LONGITUDE 0842305 NAD83 DRAINAGE AREA 130 CONTRIBUTING DRAINAGE AREA 130* DATUM 758.75 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.01	0.04	1.20
2	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.28	0.00	0.01	0.00	0.56
3	0.00	0.00	0.09	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
5	0.00	0.47	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
6	0.42	0.02	0.00	0.00	1.51	0.18	0.00	0.00	0.00	0.00	0.00	0.46
7	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.53	0.00	4.52
8	0.03	0.00	0.00	0.02	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.07
9	0.00	0.00	0.00	0.23	0.00	0.02	0.00	0.00	0.00	0.07	0.00	0.00
10	0.01	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.49	0.00
11	0.00	0.00	0.00	0.00	0.22	0.00	0.25	0.00	0.00	0.00	0.01	0.00
12	0.00	0.00	0.00	0.00	1.10	0.00	0.22	0.27	0.01	0.15	1.22	0.00
13	0.00	0.00	0.44	0.00	0.00	0.00	0.36	0.03	0.00	0.00	0.00	0.00
14	0.05	0.00	0.34	0.00	0.56	0.00	0.00	0.00	0.00	0.01	0.00	0.00
15	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.15	0.00	0.01	0.02	0.00	0.00	0.07	0.00	0.00	4.51
17	0.10	0.00	0.10	0.34	0.00	0.00	0.00	0.00	0.01	0.03	0.00	---
18	0.00	0.32	0.00	0.13	0.00	0.00	0.00	0.25	0.04	0.01	0.00	---
19	0.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	---
21	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	---
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
23	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
24	0.00	0.20	0.01	0.01	0.07	0.00	0.00	0.00	0.00	0.02	0.00	---
25	0.00	0.00	0.00	1.51	0.35	0.00	0.00	0.00	0.00	0.93	0.00	---
26	1.95	0.00	0.00	0.11	0.37	0.00	0.23	0.00	0.00	0.40	0.00	---
27	0.01	0.60	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.39	0.00	---
28	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	---
29	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.18	---
30	0.00	0.00	0.05	0.00	---	0.26	0.49	0.00	0.03	0.00	0.00	---
31	0.00	---	0.00	0.00	---	0.06	---	0.01	---	0.00	0.00	---
TOTAL	2.66	3.72	2.75	2.86	5.07	0.62	1.64	1.32	0.17	2.67	2.05	---

APALACHICOLA RIVER BASIN
2004 Water Year

02344396 FLINT RIVER AT WOOLSEY ROAD, NEAR WOOLSEY, GA

LOCATION.—Lat 33° 21'35", long 84°23'40", referenced to North American Datum (NAD) of 1927, Fayette County, Hydrologic Unit 03130005, 7.0 miles west of Hampton, 7.0 miles southeast of Fayetteville, downstream of Hampton Woolsey Road by 70 feet near right bank.

DRAINAGE AREA.—160 square miles.

COOPERATION.—Fayette County Water System.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 3, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 769.29 feet above National Geodetic Vertical Datum (NGVD) of 1983.

RATING.—Rating Number 3 is effective October 1, 2003 to September 30, 2004.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/15/03	39.06	40.9
12/01/03	39.38	102
04/05/04	39.20	63.2
08/23/04	39.36	91.8

APALACHICOLA RIVER BASIN
2004 Water Year

02344397 FLINT RIVER BELOW WOOLSEY ROAD, NEAR WOOLSEY, GA

LOCATION.—Lat 33° 21'34", long 84°23'40", referenced to North American Datum (NAD) of 1927, Clayton County, Hydrologic Unit 03130005, 7.0 miles west of Hampton, 7.0 miles southeast of Fayetteville, 150.0 feet downstream of bridge near left bank.

DRAINAGE AREA.—160 square miles.

COOPERATION.—City of Griffin.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 3, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1983 (from topographic map).

RATING.—Rating Number 3 is effective October 1, 2003 to September 30, 2004.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/15/03	5.27	40.9
12/01/03	5.58	102
04/05/04	5.36	63.2
08/23/04	5.53	91.8

APALACHICOLA RIVER BASIN
2004 Water Year

02344412 FLINT RIVER NEAR LOWRY, GA

LOCATION.—Lat 33°18'12", long 84°23'45", referenced to North American Datum (NAD) of 1927, Spalding-Fayette County line, Hydrologic Unit 03130005, 11.0 miles southeast of Fayetteville, 9.0 miles northwest of Griffin.

DRAINAGE AREA.—195 square miles.

COOPERATION.—City of Griffin.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 1998 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 730.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 3 in effect from September 17, 1999 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/15/03	2.70	37.0

2004 Water Year

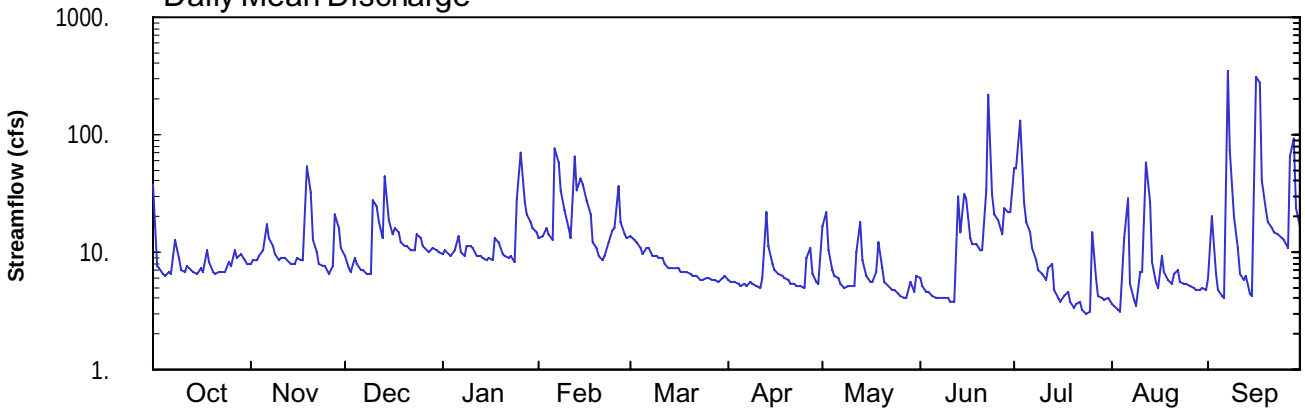
APALACHICOLA RIVER BASIN

02344478 SHOAL CREEK AT SHOAL CREEK ROAD, NEAR GRIFFIN, GA

Latitude: 33°15'26" Longitude: 084°21'45" Hydrologic Unit Code: 03130005

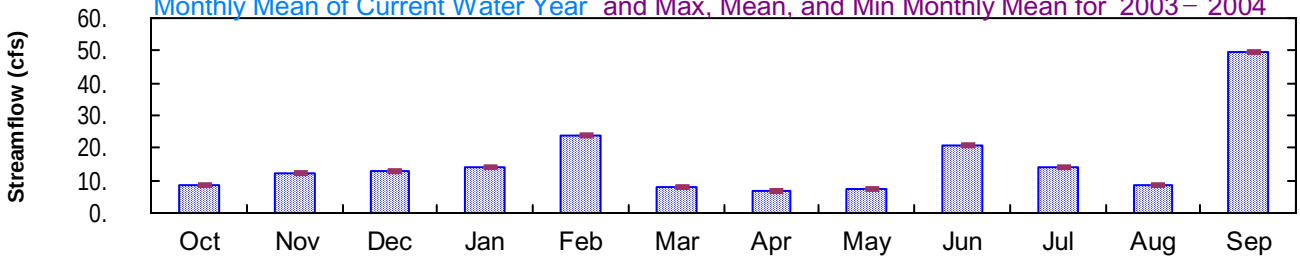
Spalding County Datum: 760 feet Drainage Area: 11.8 mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2003 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02344478 SHOAL CREEK AT SHOAL CREEK ROAD, NEAR GRIFFIN, GA

LOCATION.—Lat 33°15'26", long 84°21'45", referenced to North American Datum (NAD) of 1983, Spaulding County, Hydrologic Unit 03130005, on the downstream side of the culvert at Shoal Creek Road, 5.0 miles west of Griffin, 2.0 miles south of Heads Creek Reservoir, and 2.5 miles east of confluence with Wildcat Creek.

DRAINAGE AREA.—11.8 square miles.

COOPERATION.—City of Griffin.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 18, 2003 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair except for estimated days, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 18, 2003 to September 30, 2004.

GAGE.— Satellite telemetry with a water-stage recorder. Datum of gage is 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.59 feet, September 16; minimum gage-height recorded, 0.97 feet, August 4, 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 18, 2003 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344478 SHOAL CREEK AT SHOAL CREEK ROAD, NEAR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331526 LONGITUDE 0842145 NAD83 DRAINAGE AREA 11.8* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e38	7.9	9.2	9.8	13	14	5.8	17	5.9	51	e3.6	6.0
2	7.7	8.7	7.3	10	14	12	5.7	22	5.1	51	e3.5	21
3	7.3	8.4	6.8	9.5	16	12	5.5	11	e4.6	131	e3.2	6.6
4	6.4	9.1	8.8	9.2	14	11	5.3	7.1	e4.5	27	e3.1	e4.8
5	6.2	10	7.9	10	13	9.4	5.2	6.3	e4.3	18	13	e4.2
6	6.6	17	7.0	13	75	11	5.3	6.0	e4.1	15	28	e4.0
7	6.6	13	7.0	10	57	11	5.2	5.4	e4.0	11	5.4	e352
8	13	11	6.6	9.4	e34	9.3	5.6	5.0	e4.1	8.4	e3.9	74
9	8.7	9.7	6.5	11	e23	9.1	5.3	5.2	e4.0	7.0	e3.5	20
10	6.9	8.7	28	11	e16	9.0	5.2	5.2	e4.0	6.5	6.9	11
11	6.9	8.9	25	11	e13	9.0	5.0	5.1	e3.8	5.8	6.9	e6.4
12	7.6	8.9	18	9.4	66	7.8	6.0	10	e3.8	7.4	58	5.7
13	7.0	8.2	13	9.3	e34	7.4	22	18	30	7.9	27	6.4
14	6.7	8.1	44	9.1	42	7.2	11	8.5	15	e4.8	8.2	e4.4
15	6.6	7.8	19	8.7	e38	7.2	8.0	6.2	30	e4.1	5.6	e4.3
16	7.4	8.7	14	9.0	e28	7.3	6.9	5.6	29	e3.7	5.0	e314
17	6.8	8.4	16	8.4	e21	6.8	6.5	5.5	13	e4.2	9.2	e281
18	10	8.6	15	13	e12	6.8	6.3	6.8	12	e4.6	6.8	41
19	8.2	54	12	12	11	6.7	6.0	12	12	e3.8	5.8	23
20	6.8	e32	11	9.8	9.2	6.6	5.8	7.2	10	e3.4	5.3	18
21	6.6	13	11	9.2	8.6	6.3	5.5	5.6	10	e3.6	6.4	16
22	6.8	9.9	11	8.8	9.4	6.3	5.5	5.1	33	e3.7	7.0	15
23	6.8	8.1	10	9.1	12	5.9	5.2	4.8	220	e3.2	5.7	14
24	6.8	7.6	14	8.3	15	5.8	5.1	e4.7	31	e3.0	5.4	13
25	8.2	7.6	13	29	16	5.9	5.0	e4.4	21	e3.1	5.3	13
26	7.7	6.5	11	e70	e36	6.0	9.0	e4.3	19	15	5.1	11
27	10	7.7	11	e27	18	5.8	11	e4.1	14	6.0	5.0	65
28	9.1	21	10	e21	14	5.7	6.5	e4.0	24	e4.3	e4.8	91
29	9.8	16	11	18	13	5.6	5.5	5.6	22	e4.1	e4.8	24
30	8.7	11	11	16	---	6.1	5.4	e4.6	22	e3.9	5.0	17
31	8.0	---	10	15	---	6.4	---	6.3	---	e4.0	e4.7	---
TOTAL	269.9	365.5	405.1	434.0	691.2	246.4	201.3	228.6	619.2	429.5	271.1	1486.8
MEAN	8.71	12.2	13.1	14.0	23.8	7.95	6.71	7.37	20.6	13.9	8.75	49.6
MAX	38	54	44	70	75	14	22	22	220	131	58	352
MIN	6.2	6.5	6.5	8.3	8.6	5.6	5.0	4.0	3.8	3.0	3.1	4.0
CFSM	0.74	1.03	1.11	1.19	2.02	0.67	0.57	0.62	1.75	1.17	0.74	4.20
IN.	0.85	1.15	1.28	1.37	2.18	0.78	0.63	0.72	1.95	1.35	0.85	4.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	8.71	12.2	13.1	14.0	23.8	7.95	6.71	7.37	20.6	13.9	8.75	49.6
MAX	8.71	12.2	13.1	14.0	23.8	7.95	6.71	7.37	20.6	13.9	8.75	49.6
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004
MIN	8.71	12.2	13.1	14.0	23.8	7.95	6.71	7.37	20.6	13.9	8.75	49.6
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	5648.6			
ANNUAL MEAN	15.4		15.4	
HIGHEST ANNUAL MEAN			15.4	2004
LOWEST ANNUAL MEAN			15.4	2004
HIGHEST DAILY MEAN	e 352	Sep 7	352	Sep 7 2004
LOWEST DAILY MEAN	e 3.0	Jul 24	3.0	Jul 24 2004
ANNUAL SEVEN-DAY MINIMUM	3.4	Jul 19	3.4	Jul 19 2004
MAXIMUM PEAK STAGE	7.59	Sep 16	7.59	Sep 16 2004
ANNUAL RUNOFF (CFSM)	1.31		1.31	
ANNUAL RUNOFF (INCHES)	17.81		17.77	
10 PERCENT EXCEEDS	27		27	
50 PERCENT EXCEEDS	8.4		8.4	
90 PERCENT EXCEEDS	4.5		4.5	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344478 SHOAL CREEK AT SHOAL CREEK ROAD, NEAR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331526 LONGITUDE 0842145 NAD83 DRAINAGE AREA 11.8* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.36	1.50	1.44	1.56	1.58	1.27	1.67	1.27	2.46	1.08	1.25
2	1.35	1.39	1.42	1.46	1.58	1.54	1.26	1.83	1.22	2.08	1.07	1.78
3	1.33	1.38	1.40	1.43	1.64	1.53	1.25	1.47	1.19	3.38	1.00	1.30
4	1.29	1.41	1.48	1.42	1.59	1.50	1.24	1.33	1.18	1.84	0.99	1.19
5	1.28	1.45	1.45	1.47	1.55	1.43	1.23	1.29	1.16	1.56	1.29	1.14
6	1.30	1.69	1.41	1.57	2.68	1.48	1.23	1.28	1.14	1.48	1.97	1.12
7	1.30	1.54	1.41	1.46	2.70	1.48	1.23	1.24	1.13	1.37	1.23	4.95
8	1.53	1.49	1.39	1.43	---	1.42	1.25	1.22	1.14	1.29	1.11	2.86
9	1.39	1.43	1.39	1.50	---	1.42	1.23	1.23	1.13	1.25	1.07	1.76
10	1.32	1.39	1.99	1.49	---	1.41	1.23	1.23	1.13	1.25	1.23	1.46
11	1.31	1.40	1.93	1.48	---	1.41	1.22	1.23	1.11	1.23	1.31	---
12	1.35	1.40	1.74	1.43	2.79	1.37	1.28	1.37	1.11	1.30	2.64	1.25
13	1.32	1.37	1.57	1.42	---	1.35	1.83	1.71	2.02	1.35	1.96	1.26
14	1.31	1.37	2.42	1.42	2.34	1.34	1.49	1.39	1.58	1.19	1.36	1.16
15	1.30	1.36	1.76	1.40	---	1.34	1.38	1.29	1.95	1.13	1.24	1.15
16	1.33	1.39	1.59	1.41	---	1.35	1.33	1.25	1.96	1.09	1.20	3.01
17	1.31	1.38	1.65	1.39	---	1.32	1.31	1.25	1.47	1.13	1.39	4.50
18	1.45	1.39	1.61	1.57	---	1.32	1.30	1.30	1.39	1.17	1.31	2.26
19	1.37	2.56	1.53	1.52	1.46	1.31	1.28	1.52	1.38	1.10	1.26	1.76
20	1.31	---	1.50	1.45	1.42	1.31	1.27	1.34	1.30	1.05	1.23	1.59
21	1.30	1.56	1.49	1.42	1.40	1.30	1.25	1.26	1.28	1.07	1.28	1.53
22	1.31	1.48	1.47	1.41	1.43	1.29	1.25	1.22	1.71	1.09	1.32	1.49
23	1.31	1.42	1.46	1.41	1.51	1.28	1.23	1.20	4.06	1.02	1.25	1.45
24	1.31	1.42	1.61	1.39	1.63	1.27	1.22	1.19	1.95	1.00	1.23	1.44
25	1.37	1.43	1.56	1.94	1.64	1.27	1.22	1.17	1.61	1.00	1.22	1.41
26	1.35	1.38	1.49	---	---	1.28	1.38	1.16	1.54	1.57	1.21	1.35
27	1.45	1.43	1.47	---	1.80	1.27	1.48	1.14	1.38	1.25	1.21	2.38
28	1.41	1.86	1.46	---	1.60	1.26	1.31	1.13	1.72	1.15	1.19	3.08
29	1.43	1.71	1.48	1.71	1.57	1.25	1.25	1.25	1.66	1.13	1.19	1.79
30	1.39	1.55	1.47	1.65	---	1.28	1.24	1.18	1.63	1.11	1.20	1.56
31	1.37	---	1.45	1.61	---	1.30	---	1.28	---	1.12	1.18	---
MEAN	---	---	1.57	---	---	1.36	1.30	1.31	1.52	1.36	1.30	---
MAX	---	---	2.42	---	---	1.58	1.83	1.83	4.06	3.38	2.64	---
MIN	---	---	1.39	---	---	1.25	1.22	1.13	1.11	1.00	0.99	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344478 SHOAL CREEK AT SHOAL CREEK ROAD, NEAR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331526 LONGITUDE 0842145 NAD83 DRAINAGE AREA 11.8* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	---	---	0.00	0.47	0.00	0.03	0.00	1.06
2	0.00	0.00	0.00	0.00	---	0.00	0.00	0.09	0.00	0.94	0.00	0.00
3	0.00	0.00	0.10	0.00	---	0.00	0.00	0.00	0.02	0.00	0.00	0.00
4	0.00	0.00	0.15	0.00	---	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	0.00	0.28	0.01	0.30	---	0.00	0.00	0.00	0.00	0.00	0.51	0.00
6	0.16	0.02	0.00	0.00	---	0.17	0.00	0.00	0.00	0.65	0.00	0.63
7	0.08	0.01	0.00	0.00	---	0.00	0.00	0.00	0.00	0.12	0.00	4.10
8	0.21	0.00	0.00	0.03	---	0.00	0.18	0.00	0.00	0.01	0.00	0.02
9	0.00	0.00	0.00	0.25	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.04	0.00	1.03	0.00	---	0.00	0.00	0.00	0.00	0.00	0.64	0.00
11	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	---	0.00	0.54	0.52	0.27	0.19	1.66	0.00
13	0.00	0.00	0.53	0.00	---	0.00	0.40	0.03	---	0.00	0.00	0.00
14	0.01	0.00	0.28	0.00	---	0.00	0.00	0.00	---	0.03	0.00	0.00
15	0.00	0.00	0.00	---	---	0.00	0.00	0.00	---	0.00	0.00	0.00
16	0.00	0.00	0.15	---	---	0.05	0.00	0.00	---	0.00	0.00	3.37
17	0.07	0.16	0.12	---	---	0.00	0.00	0.56	---	0.07	0.04	0.15
18	0.00	0.12	0.00	---	---	0.00	0.00	0.20	---	0.00	0.00	0.00
19	0.00	1.10	0.00	---	---	0.00	0.00	0.04	---	0.00	0.00	0.00
20	0.00	0.00	0.00	---	---	0.00	0.00	0.00	---	0.00	0.08	0.00
21	0.00	0.00	0.00	---	---	0.05	0.00	0.00	---	0.00	0.31	0.00
22	0.00	0.00	0.00	---	---	0.00	0.00	0.06	---	0.00	0.00	0.00
23	0.00	0.00	0.27	---	---	0.00	0.00	0.00	---	0.00	0.00	0.00
24	0.00	0.13	0.07	---	---	0.00	0.00	0.00	---	0.00	0.00	0.00
25	0.00	0.00	0.00	---	---	0.00	0.00	0.00	---	0.85	0.01	0.00
26	0.11	0.00	0.00	---	---	0.00	0.73	0.00	---	0.48	0.00	0.00
27	0.00	0.70	0.00	---	---	0.00	0.01	0.00	---	0.00	0.00	2.24
28	0.00	0.24	0.00	---	---	0.00	0.00	0.13	---	0.00	0.00	0.01
29	0.00	0.00	0.08	---	---	0.00	0.00	0.05	0.46	0.00	0.09	0.00
30	0.00	0.00	0.07	---	---	0.28	0.49	0.00	1.04	0.01	0.00	0.00
31	0.00	---	0.00	---	---	0.08	---	0.33	---	0.00	0.00	---
TOTAL	0.68	2.76	2.86	---	---	---	2.35	2.48	---	3.38	3.34	11.58

2004 Water Year

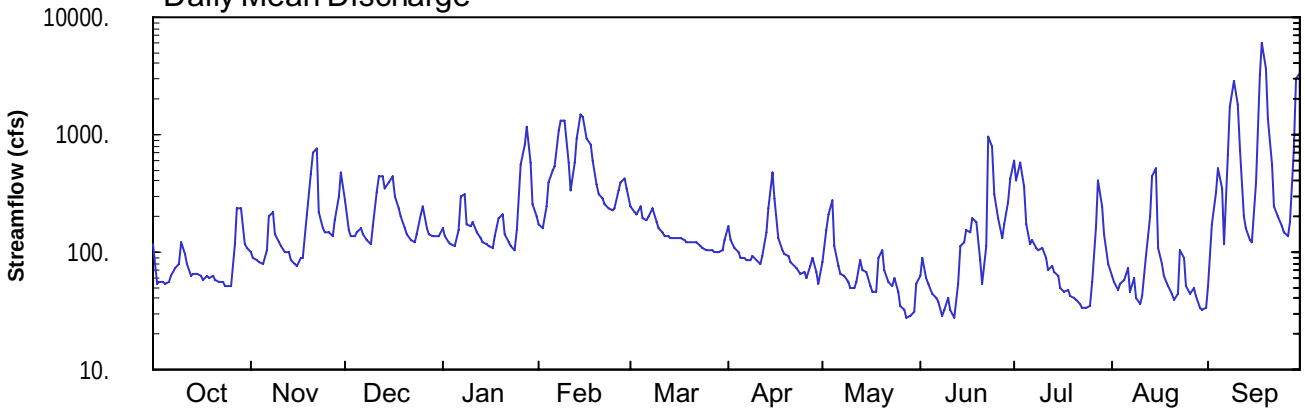
APALACHICOLA RIVER BASIN

02344500 FLINT RIVER NEAR GRIFFIN, GA

Latitude: 33°14'39" Longitude: 084°25'45" Hydrologic Unit Code: 03130005

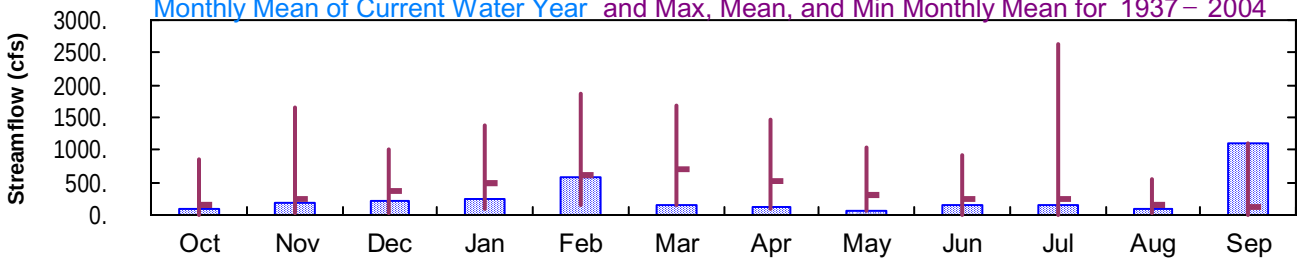
Spalding County Datum: 711.44 feet Drainage Area: 272. mi²

Daily Mean Discharge

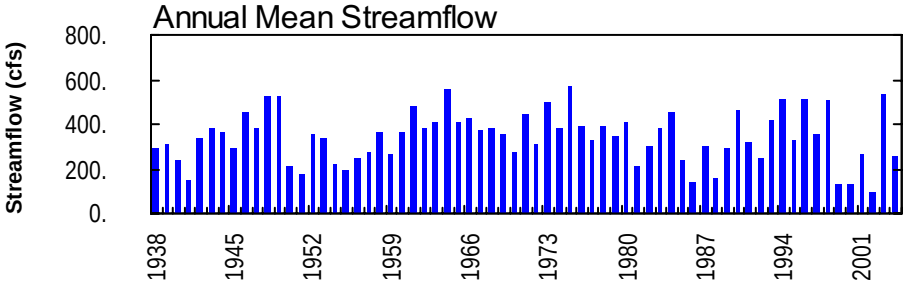


Monthly Statistics

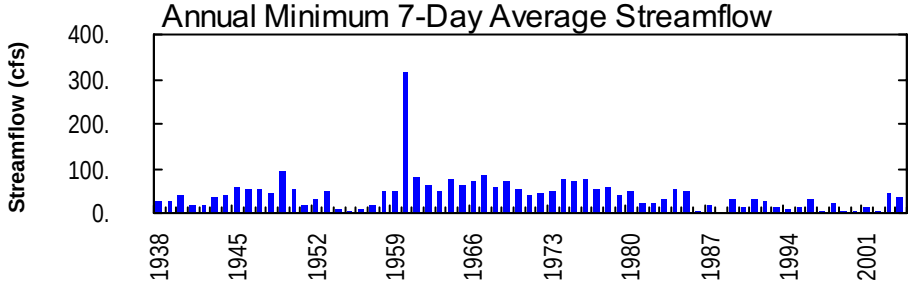
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



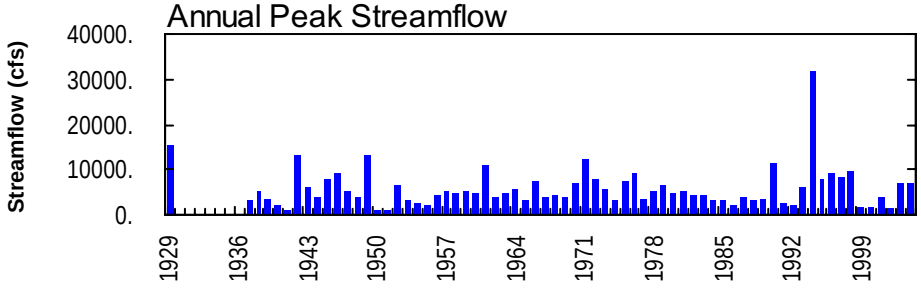
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02344500 FLINT RIVER NEAR GRIFFIN, GA

LOCATION.—Lat 33°14'39", long 84°25'45", referenced to North American Datum (NAD) of 1983, Spalding County, Hydrologic Unit 03130005, at downstream side of bridge pier on GA 16, 1.5 miles downstream from Shoal Creek, 5.5 miles upstream from Line Creek, 10.0 miles west of Griffin, and at mile 304.4.

DRAINAGE AREA.—272 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1937 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 711.44 feet above National Geodetic Vertical Datum (NGVD) of 1927 (levels by U.S. Army Corps of Engineers). Prior to August 25, 1938, a non-recording gage was located at present site at a datum 3.00 feet higher. From August 25, 1938, to May 5, 1941, a non-recording gage was located at the site and from May 6, 1941 to August 20, 1959, a water-stage recorder was located at the site. From August 21, 1959 to September 13, 1960, a non-recording gage was located at the site. All gage installations were located at present site and datum.

REMARKS.—Records good, except for discharges below 48.0 cfs, which are fair. Some diurnal fluctuation occurs at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of March 14 or 15, 1929, reached a stage of 17.9 feet, present datum, from flood marks located by local resident, discharge, 15,300 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/09	1045	3,070	11.76
09/18	1415	6,880*	14.24*
09/29	1930	4,990	13.15

02344500 FLINT RIVER NEAR GRIFFIN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1937 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 711.44 feet above National Geodetic Vertical Datum (NGVD) of 1927 (levels by U.S. Army Corps of Engineers). Prior to August 25, 1938, a non-recording gage was located at present site at a datum 3.00 feet higher. From August 25, 1938, to May 5, 1941, a non-recording gage was located at the site and from May 6, 1941 to August 20, 1959, a water-stage recorder was located at the site. From August 21, 1959 to September 13, 1960, a non-recording gage was located at the site. All gage installations were located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.24 feet, September 18; minimum gage-height recorded, 2.24 feet, August 31.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344500 FLINT RIVER NEAR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331439 LONGITUDE 0842545 NAD83 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM 711.44 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	99	271	158	171	248	165	84	63	601	63	51
2	54	90	153	134	162	219	126	151	89	410	56	171
3	56	84	137	122	246	208	109	211	61	569	48	322
4	55	82	136	116	386	248	100	275	54	359	53	519
5	54	78	145	111	492	191	90	114	44	171	57	348
6	55	104	161	151	528	188	88	75	41	118	74	117
7	64	203	142	297	1060	204	85	66	37	125	47	675
8	74	216	128	312	1330	239	87	63	29	106	60	1740
9	81	144	119	169	1300	180	91	57	32	103	40	2830
10	120	120	169	164	575	157	87	50	40	107	36	1800
11	97	111	316	178	341	149	79	49	32	87	43	725
12	80	99	441	148	590	138	91	56	28	70	92	205
13	64	100	446	132	909	134	146	85	53	77	202	157
14	64	84	346	122	1460	130	232	69	114	67	447	128
15	66	78	390	116	1390	130	478	67	121	63	516	120
16	63	77	436	113	942	131	282	52	155	50	110	392
17	59	88	293	107	838	131	130	45	146	46	79	3210
18	62	89	238	135	606	127	103	45	197	48	62	6100
19	61	207	200	193	380	123	95	88	177	43	51	3610
20	63	451	161	208	316	120	92	105	86	41	44	1390
21	59	713	142	141	284	121	83	71	54	39	39	550
22	56	775	126	121	260	121	76	57	114	36	45	250
23	55	219	120	113	238	114	72	52	956	34	103	198
24	51	160	142	106	227	108	66	61	802	34	88	166
25	52	148	209	151	236	105	67	46	309	35	52	149
26	52	149	246	553	335	104	61	35	191	55	44	135
27	117	137	162	836	393	103	76	33	131	166	50	176
28	232	189	141	1180	431	100	90	28	174	406	42	736
29	238	303	136	568	345	99	68	29	267	249	34	2940
30	119	470	135	257	---	104	54	31	419	140	32	3290
31	107	---	137	205	---	126	---	55	---	80	33	---
TOTAL	2549	5867	6524	7417	16771	4600	3469	2305	5016	4535	2742	33200
MEAN	82.2	196	210	239	578	148	116	74.4	167	146	88.5	1107
MAX	238	775	446	1180	1460	248	478	275	956	601	516	6100
MIN	51	77	119	106	162	99	54	28	28	34	32	51
CFSM	0.30	0.72	0.77	0.88	2.13	0.55	0.43	0.27	0.61	0.54	0.33	4.07
IN.	0.35	0.80	0.89	1.01	2.29	0.63	0.47	0.32	0.69	0.62	0.38	4.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	163	243	355	497	603	698	511	300	232	246	158	133
MAX	863	1641	1009	1390	1880	1685	1466	1051	928	2644	548	1107
(WY)	1996	1949	1984	1946	1961	1971	1964	2003	1963	1994	1967	2004
MIN	6.01	15.8	33.6	107	163	148	104	56.2	11.9	12.4	20.7	11.2
(WY)	1955	2002	2002	1956	1941	2004	1999	2000	1988	1988	2002	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	169019		94995			
ANNUAL MEAN	463		260		343	
HIGHEST ANNUAL MEAN					573	1975
LOWEST ANNUAL MEAN					101	2002
HIGHEST DAILY MEAN	6460	May 8	6100	Sep 18	27000	Jul 6 1994
LOWEST DAILY MEAN	42	Sep 21	28	May 28 a	0.79	Jul 2 1988
ANNUAL SEVEN-DAY MINIMUM	55	Oct 20	34	Jun 6	1.8	Jun 27 1988
MAXIMUM PEAK FLOW			6880	Sep 18	32500	Jul 6 1994
MAXIMUM PEAK STAGE			14.24	Sep 18	24.22	Jul 6 1994
ANNUAL RUNOFF (CFSM)	1.70		0.954		1.26	
ANNUAL RUNOFF (INCHES)	23.12		12.99		17.15	
10 PERCENT EXCEEDS	956		517		719	
50 PERCENT EXCEEDS	241		121		182	
90 PERCENT EXCEEDS	76		48		52	

a Also Jun 12

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344500 FLINT RIVER NEAR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331439 LONGITUDE 0842545 NAD83 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM 711.44 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.57	3.40	4.82	4.08	4.19	4.69	4.13	3.33	3.10	6.27	2.82	2.65
2	2.92	3.31	4.04	3.86	4.11	4.51	3.78	4.01	3.39	5.41	2.73	3.87
3	2.94	3.26	3.89	3.73	4.67	4.45	3.60	4.47	3.08	6.13	2.60	4.93
4	2.93	3.24	3.88	3.67	5.51	4.69	3.50	4.85	2.99	5.13	2.67	5.91
5	2.92	3.20	3.96	3.63	6.10	4.34	3.41	3.65	2.82	3.90	2.74	4.95
6	2.92	3.45	4.11	4.00	6.13	4.32	3.39	3.24	2.76	3.41	2.93	3.40
7	3.04	4.29	3.93	4.98	8.50	4.42	3.35	3.13	2.69	3.48	2.58	6.42
8	3.16	4.38	3.80	5.07	9.36	4.64	3.37	3.11	2.52	3.29	2.78	10.22
9	3.22	3.82	3.71	4.18	9.23	4.25	3.42	3.02	2.58	3.25	2.47	11.53
10	3.61	3.61	4.12	4.13	6.47	4.07	3.37	2.92	2.74	3.29	2.38	10.21
11	3.38	3.51	5.10	4.24	5.25	3.99	3.29	2.90	2.59	3.09	2.51	6.79
12	3.22	3.40	5.83	3.99	6.51	3.90	3.41	3.01	2.50	2.90	3.10	4.19
13	3.04	3.41	5.84	3.84	7.93	3.86	3.96	3.35	2.92	2.98	4.15	3.79
14	3.05	3.26	5.28	3.74	9.62	3.82	4.58	3.18	3.65	2.88	5.56	3.52
15	3.07	3.19	5.55	3.68	9.48	3.82	6.02	3.15	3.71	2.83	5.81	3.44
16	3.04	3.19	5.81	3.64	8.06	3.82	4.87	2.95	4.04	2.64	3.33	4.88
17	2.98	3.30	4.96	3.58	7.66	3.82	3.81	2.84	3.96	2.57	3.00	11.72
18	3.02	3.30	4.64	3.86	6.65	3.79	3.54	2.84	4.37	2.60	2.81	13.79
19	3.01	4.26	4.39	4.35	5.48	3.74	3.45	3.36	4.19	2.52	2.65	12.10
20	3.04	5.79	4.11	4.44	5.09	3.71	3.42	3.56	3.36	2.48	2.53	9.32
21	2.98	7.09	3.93	3.93	4.90	3.72	3.33	3.20	2.98	2.44	2.45	6.03
22	2.94	7.33	3.78	3.72	4.76	3.73	3.25	3.02	3.46	2.39	2.55	4.50
23	2.93	4.50	3.71	3.64	4.64	3.65	3.21	2.96	7.87	2.35	3.25	4.14
24	2.87	4.10	3.93	3.57	4.57	3.58	3.14	3.08	7.17	2.34	3.09	3.87
25	2.88	3.98	4.44	3.94	4.62	3.55	3.15	2.84	4.85	2.36	2.66	3.72
26	2.88	4.00	4.68	6.40	5.21	3.54	3.08	2.65	4.06	2.69	2.54	3.58
27	3.55	3.89	4.12	7.63	5.57	3.53	3.25	2.60	3.55	3.80	2.64	3.88
28	4.49	4.31	3.93	8.88	5.78	3.50	3.40	2.50	3.94	5.38	2.50	6.89
29	4.51	5.02	3.88	6.40	5.27	3.49	3.16	2.52	4.59	4.41	2.35	10.85
30	3.59	5.99	3.87	4.75	---	3.55	2.98	2.57	5.45	3.62	2.29	11.85
31	3.47	---	3.88	4.42	---	3.77	---	2.98	---	3.02	2.33	---
MEAN	3.20	4.09	4.38	4.45	6.25	3.94	3.59	3.15	3.73	3.41	2.93	6.56
MAX	4.51	7.33	5.84	8.88	9.62	4.69	6.02	4.85	7.87	6.27	5.81	13.79
MIN	2.87	3.19	3.71	3.57	4.11	3.49	2.98	2.50	2.50	2.34	2.29	2.65

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344500 FLINT RIVER NEAR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331439 LONGITUDE 0842545 NAD83 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM 711.44 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.64	0.00	0.08	0.06	0.48
2	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.15	0.00	0.01	0.00	0.01
3	0.00	0.00	0.14	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00
4	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
5	0.00	0.23	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
6	0.11	0.01	0.00	0.00	1.88	0.24	0.00	0.00	0.00	0.19	0.01	0.81
7	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.28	0.00	3.67
8	0.03	0.00	0.00	0.02	0.00	0.00	0.22	0.00	0.01	0.01	0.00	0.02
9	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.07	0.00	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00
11	0.00	0.00	0.00	0.01	0.21	0.00	0.01	0.03	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.19	0.00	0.66	0.59	0.00	0.98	1.17	0.00
13	0.00	0.00	0.58	0.00	0.00	0.00	0.44	0.00	1.79	0.00	0.00	0.00
14	0.02	0.00	0.32	0.00	0.62	0.00	0.00	0.00	0.68	0.01	0.00	0.00
15	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.44	0.00	0.00	0.02
16	0.00	0.00	0.17	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	3.87
17	0.12	0.16	0.11	0.41	0.01	0.00	0.00	0.01	0.06	0.08	0.13	0.25
18	0.00	0.18	0.00	0.12	0.00	0.00	0.00	0.36	0.06	0.00	0.00	0.00
19	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.13	0.00
21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.43	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	1.74	0.00	0.00	0.00
23	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
24	0.00	0.20	0.07	0.01	0.02	0.00	0.00	0.00	0.01	0.02	0.00	0.00
25	0.00	0.00	0.00	1.67	0.46	0.00	0.00	0.00	0.35	0.45	0.00	0.00
26	0.50	0.00	0.00	0.16	0.44	0.00	0.80	0.00	0.00	0.54	0.00	0.00
27	0.00	0.82	0.00	0.01	0.00	0.00	0.01	0.00	0.43	0.00	0.00	2.29
28	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.22	0.43	0.00	0.00	0.00
29	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.03	0.08	0.00	0.48	0.00
30	0.00	0.00	0.08	0.00	---	0.33	1.00	0.00	0.07	0.01	0.00	0.00
31	0.00	---	0.00	0.00	---	0.10	---	0.52	---	0.00	0.00	---
TOTAL	0.94	3.40	3.04	3.06	5.58	0.78	3.15	3.14	6.96	2.66	2.88	11.42

APALACHICOLA RIVER BASIN
2004 Water Year

02346195 LAZAR CREEK AT GA 41, NEAR TALBOTTON, GA

LOCATION.—Lat 32°44'33", long 84°33'20", referenced to North American Datum (NAD) of 1927, Talbot County, Hydrologic Unit 03130005, at GA 41, 5.0 miles north of Talbotton.

DRAINAGE AREA.—81.3 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1981, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 500.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 24.10 feet, March 17, 1990
DISCHARGE: 36,100 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 11.90 feet, September 16
DISCHARGE: 2,950 cfs, September 16

APALACHICOLA RIVER BASIN
2004 Water Year

02346217 COLEOATCHEE CREEK NEAR MANCHESTER, GA
(previously published as Celeoth Creek near Manchester, GA)

LOCATION.—Lat 32°49'20", long 84°36'16", referenced to North American Datum (NAD) of 1927, Talbot County, Hydrologic Unit 03130005, at culvert on County Road 39, 1.2 miles southeast of Manchester.

DRAINAGE AREA.—2.82 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1969 to 1986, 1988 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 779.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.31 feet, March 16, 1990
DISCHARGE: 1,750 cfs, March 16, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 3.77 feet, September 16
DISCHARGE: 602 cfs, September 16

2004 Water Year

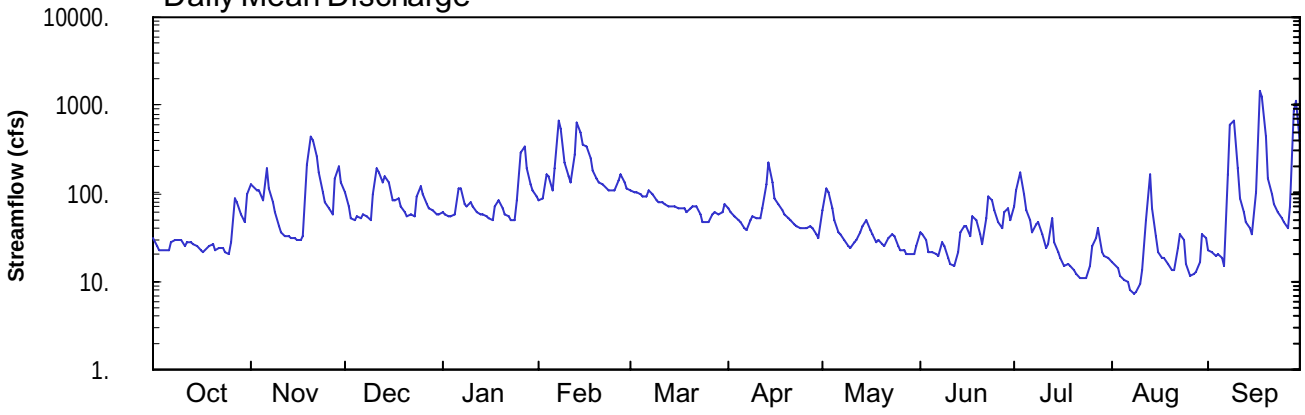
APALACHICOLA RIVER BASIN

02344700 LINE CREEK NEAR SENOIA, GA

Latitude: 33°19'09" Longitude: 084°31'20" Hydrologic Unit Code: 03130005

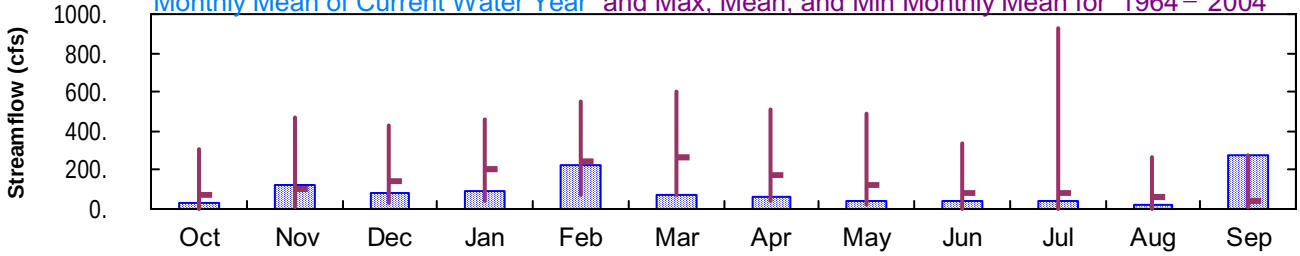
Coweta County Datum: 729.27 feet Drainage Area: 101. mi²

Daily Mean Discharge

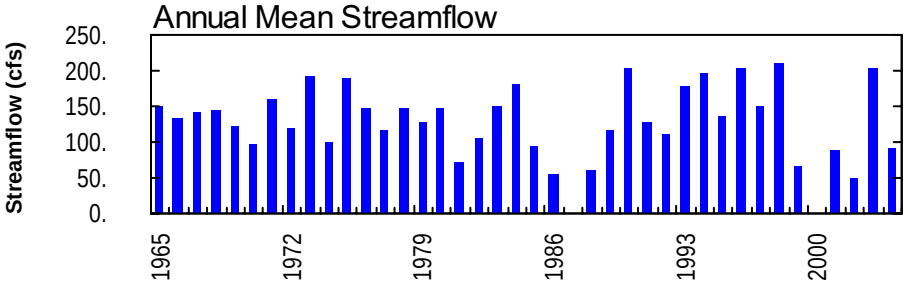


Monthly Statistics

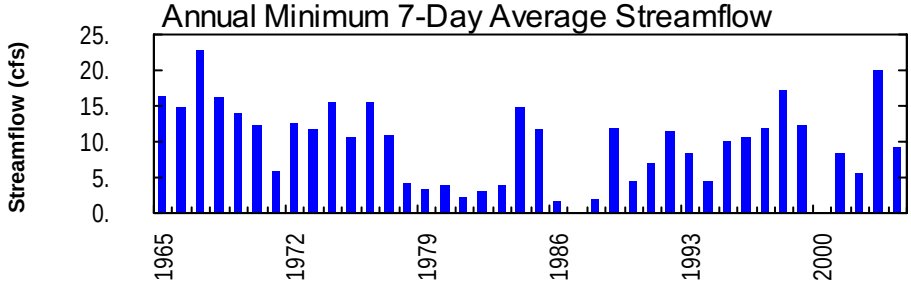
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1964 – 2004



Annual Mean Streamflow

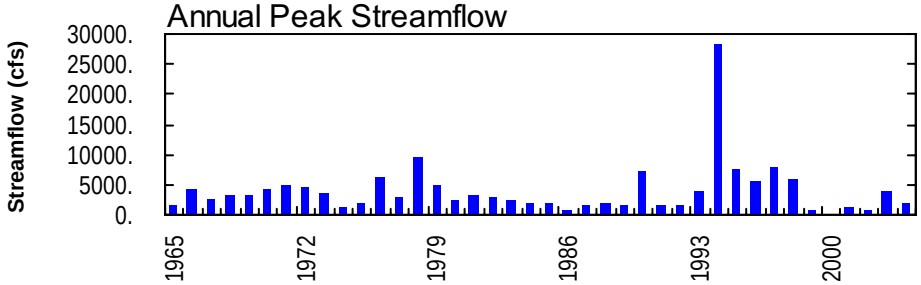


Annual Minimum 7-Day Average Streamflow



USGS 02344700 Line Creek near Senoia, GA

Annual Peak Streamflow



02344700 LINE CREEK NEAR SENOIA, GA

LOCATION.—Lat 33°19'09", long 84°31'20", referenced to North American Datum (NAD) of 1983, Coweta-Fayette County line, Hydrologic Unit 03130005, on downstream side of bridge on GA 85, 2.2 miles northeast of Senoia, 4.1 miles upstream from Whitewater Creek, and 11.2 miles upstream from mouth.

DRAINAGE AREA.—101 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1964 to current year.

REVISED RECORDS.—WDR GA-87-1: 1986 (m).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 729.27 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/17	1930	2,020*	10.17*
09/29	0000	1,540	9.44

02344700 LINE CREEK NEAR SENOIA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1964 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 729.27 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.17 feet, September 17; minimum gage-height recorded, 1.16 feet, August 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 27, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344700 LINE CREEK NEAR SENOIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 077
LATITUDE 331909 LONGITUDE 0843120 NAD83 DRAINAGE AREA 101.00 CONTRIBUTING DRAINAGE AREA 101.00* DATUM 729.27 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	127	105	60	84	106	69	63	37	73	17	23
2	26	117	71	58	89	102	60	117	35	107	16	21
3	23	109	52	55	164	101	55	102	29	170	14	20
4	22	107	50	54	157	96	50	69	22	98	11	21
5	23	85	56	58	107	92	48	48	21	66	10	18
6	23	194	53	115	194	94	41	37	21	50	9.7	15
7	28	115	57	117	664	110	39	34	19	37	8.1	166
8	30	80	54	74	547	100	50	29	28	45	7.4	603
9	29	60	50	70	228	86	55	26	25	e46	7.8	671
10	29	42	100	80	152	80	52	24	19	e35	9.6	196
11	26	36	188	70	136	78	54	28	16	e24	13	86
12	28	33	169	63	273	75	67	30	15	e26	50	60
13	28	32	136	59	649	73	125	36	21	52	168	46
14	26	31	152	57	484	71	221	42	36	29	67	40
15	25	32	136	55	352	72	136	51	43	22	32	35
16	22	29	85	52	339	68	90	39	42	19	21	102
17	21	30	84	50	249	68	74	34	32	15	18	1430
18	24	32	89	72	178	66	65	28	54	16	18	1280
19	25	217	72	83	151	61	58	30	49	15	16	431
20	26	e445	60	66	135	67	52	27	34	13	13	147
21	23	e389	54	57	127	70	48	25	27	12	13	95
22	24	e260	58	54	118	71	45	31	52	11	24	75
23	24	e169	56	51	111	59	43	35	91	11	35	60
24	21	104	92	48	108	48	41	33	84	11	29	51
25	20	80	120	84	109	47	40	25	64	15	16	46
26	28	66	99	291	141	47	40	23	47	25	12	41
27	87	58	77	339	163	57	42	23	40	31	12	72
28	79	144	67	193	137	60	40	21	62	40	13	872
29	57	202	65	125	115	59	35	21	66	21	17	1110
30	47	134	58	105	---	62	30	21	49	19	34	380
31	95	---	59	93	---	74	---	25	---	18	30	---
TOTAL	1020	3559	2624	2808	6461	2320	1865	1177	1180	1172	761.6	8213
MEAN	32.9	119	84.6	90.6	223	74.8	62.2	38.0	39.3	37.8	24.6	274
MAX	95	445	188	339	664	110	221	117	91	170	168	1430
MIN	20	29	50	48	84	47	30	21	15	11	7.4	15
CFSM	0.33	1.17	0.84	0.90	2.21	0.74	0.62	0.38	0.39	0.37	0.24	2.71
IN.	0.38	1.31	0.97	1.03	2.38	0.85	0.69	0.43	0.43	0.43	0.28	3.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	67.2	101	138	201	246	264	174	118	80.9	84.6	59.4	44.6
MAX	306	465	425	460	547	597	509	485	336	933	261	274
(WY)	1990	1993	1984	1990	1995	1971	1979	2003	2003	1994	1992	2004
MIN	4.12	13.8	29.5	36.0	74.8	71.8	43.7	21.0	4.63	3.15	3.93	5.32
(WY)	1979	1982	2002	1981	2002	1988	1986	2000	1988	1988	1986	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	68088		33160.6			
ANNUAL MEAN	187		90.6		131	
HIGHEST ANNUAL MEAN					210	1998
LOWEST ANNUAL MEAN					50.9	2002
HIGHEST DAILY MEAN	3450	May 8	1430	Sep 17	15000	Jul 5 1994
LOWEST DAILY MEAN	16	Sep 21	7.4	Aug 8	1.0	Oct 7 1986
ANNUAL SEVEN-DAY MINIMUM	20	Sep 15	9.1	Aug 4	1.3	Oct 1 1986
MAXIMUM PEAK FLOW			2020	Sep 17	28400	Jul 5 1994
MAXIMUM PEAK STAGE			10.17	Sep 17	20.10	Jul 5 1994
ANNUAL RUNOFF (CFSM)	1.85		0.897		1.30	
ANNUAL RUNOFF (INCHES)	25.08		12.21		17.63	
10 PERCENT EXCEEDS	327		165		270	
50 PERCENT EXCEEDS	107		54		68	
90 PERCENT EXCEEDS	28		19		16	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344700 LINE CREEK NEAR SENOIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 077
LATITUDE 331909 LONGITUDE 0843120 NAD83 DRAINAGE AREA 101.00 CONTRIBUTING DRAINAGE AREA 101.00* DATUM 729.27 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.84	3.35	3.21	2.52	2.90	3.06	2.48	2.37	1.92	2.55	1.47	1.63
2	1.75	3.20	2.69	2.47	2.97	2.99	2.34	3.21	1.87	3.06	1.45	1.59
3	1.68	3.09	2.38	2.42	3.98	2.99	2.24	2.99	1.75	3.94	1.42	1.55
4	1.66	3.06	2.33	2.41	3.90	2.91	2.15	2.48	1.60	2.94	1.34	1.57
5	1.68	2.76	2.44	2.47	3.24	2.85	2.11	2.13	1.58	2.42	1.30	1.51
6	1.68	4.22	2.39	3.34	4.13	2.88	1.99	1.91	1.58	2.16	1.29	1.44
7	1.80	3.24	2.46	3.37	7.32	3.12	1.96	1.85	1.54	1.92	1.24	3.64
8	1.82	2.71	2.40	2.74	6.83	2.97	2.15	1.75	1.74	2.06	1.21	7.04
9	1.81	2.38	2.34	2.67	4.55	2.75	2.24	1.69	1.68	---	1.22	7.33
10	1.81	2.07	3.09	2.84	3.71	2.67	2.19	1.65	1.53	---	1.28	4.15
11	1.74	1.95	4.26	2.68	3.49	2.63	2.22	1.73	1.46	---	1.39	2.76
12	1.78	1.90	4.04	2.55	4.92	2.58	2.45	1.77	1.44	---	2.08	2.33
13	1.80	1.87	3.64	2.49	7.32	2.55	3.31	1.90	1.59	2.19	3.89	2.09
14	1.75	1.86	3.85	2.46	6.55	2.51	4.50	2.02	1.87	1.75	2.43	1.96
15	1.73	1.87	3.63	2.42	5.73	2.53	3.47	2.17	2.02	1.59	1.81	1.87
16	1.66	1.82	2.92	2.37	5.61	2.46	2.81	1.96	2.01	1.53	1.59	2.77
17	1.64	1.84	2.90	2.33	4.77	2.46	2.57	1.85	1.81	1.43	1.52	8.97
18	1.70	1.88	2.97	2.71	4.04	2.43	2.41	1.72	2.23	1.46	1.52	8.88
19	1.72	4.31	2.72	2.88	3.69	2.35	2.30	1.77	2.13	1.44	1.45	6.13
20	1.75	---	2.51	2.61	3.48	2.46	2.19	1.71	1.86	1.39	1.39	3.62
21	1.68	---	2.41	2.46	3.37	2.50	2.13	1.67	1.72	1.35	1.39	2.89
22	1.69	---	2.47	2.41	3.24	2.52	2.07	1.79	2.18	1.33	1.65	2.59
23	1.70	---	2.43	2.35	3.12	2.31	2.04	1.87	2.84	1.32	1.87	2.33
24	1.64	3.14	3.00	2.31	3.09	2.12	1.99	1.84	2.72	1.32	1.75	2.18
25	1.61	2.80	3.42	2.85	3.10	2.10	1.97	1.67	2.39	1.43	1.45	2.09
26	1.78	2.60	3.13	5.22	3.55	2.10	1.96	1.63	2.10	1.67	1.35	1.99
27	2.78	2.48	2.79	5.63	3.86	2.27	2.00	1.62	1.97	1.80	1.36	2.45
28	2.67	3.70	2.63	4.29	3.50	2.33	1.96	1.58	2.36	1.97	1.38	7.65
29	2.32	4.40	2.60	3.49	3.19	2.31	1.87	1.57	2.43	1.58	1.47	8.54
30	2.17	3.60	2.47	3.22	---	2.37	1.78	1.58	2.14	1.54	1.86	5.80
31	2.89	---	2.50	3.04	---	2.56	---	1.67	---	1.52	1.78	---
MEAN	1.86	---	2.87	2.90	4.25	2.57	2.33	1.91	1.94	---	1.60	3.71
MAX	2.89	---	4.26	5.63	7.32	3.12	4.50	3.21	2.84	---	3.89	8.97
MIN	1.61	---	2.33	2.31	2.90	2.10	1.78	1.57	1.44	---	1.21	1.44

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344700 LINE CREEK NEAR SENOIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 077
LATITUDE 331909 LONGITUDE 0843120 NAD83 DRAINAGE AREA 101.00 CONTRIBUTING DRAINAGE AREA 101.00* DATUM 729.27 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.55	0.00	0.18	0.00	0.32
2	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.29	0.00	0.09	0.01	0.01
3	0.00	0.01	0.09	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00
4	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00
5	0.00	0.34	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.01	0.45	0.00
6	0.19	0.06	0.01	0.00	1.75	0.20	0.00	0.01	0.00	0.26	0.00	0.59
7	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.14	0.00	2.97
8	0.04	0.00	0.00	0.02	0.00	0.00	0.26	0.00	0.01	0.01	0.00	0.05
9	0.00	0.00	0.00	0.27	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00
10	0.04	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.68	0.00
11	0.00	0.00	0.00	0.00	0.18	0.01	0.32	0.16	0.01	0.00	0.01	0.00
12	0.00	0.00	0.00	0.00	1.14	0.00	0.43	0.91	0.00	0.87	1.10	0.00
13	0.00	0.00	0.43	0.00	0.00	0.00	0.41	0.02	1.33	0.00	0.00	0.00
14	0.02	0.00	0.36	0.00	0.60	0.00	0.01	0.00	0.15	0.02	0.00	0.00
15	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.37	0.01	0.00	0.00
16	0.00	0.00	0.19	0.00	0.00	0.03	0.00	0.00	0.09	0.00	0.01	3.40
17	0.07	0.00	0.11	0.37	0.01	0.00	0.00	0.02	0.02	0.14	0.00	0.35
18	0.00	0.28	0.00	0.13	0.00	0.00	0.00	0.06	0.24	0.00	0.00	0.00
19	0.00	2.00	0.00	0.00	0.00	0.01	0.00	0.12	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.03	0.00	0.09	0.00
21	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.41	0.00	0.42	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.82	0.00	0.00	0.00
23	0.00	0.00	0.37	0.00	0.00	0.01	0.01	0.01	0.11	0.00	0.01	0.00
24	0.00	0.27	0.03	0.01	0.09	0.00	0.00	0.00	0.02	0.18	0.00	0.00
25	0.00	0.00	0.00	1.50	0.27	0.00	0.00	0.00	0.12	0.08	0.00	0.00
26	1.51	0.00	0.00	0.11	0.47	0.01	0.39	0.00	0.01	0.67	0.00	0.01
27	0.00	0.62	0.00	0.01	0.01	0.00	0.01	0.00	0.49	0.24	0.00	2.89
28	0.00	0.37	0.00	0.00	0.00	0.00	0.01	0.27	0.06	0.00	0.00	0.01
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.23	0.02	0.04	1.17	0.00
30	0.02	0.00	0.09	0.00	---	0.30	0.52	0.00	0.48	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.31	---	0.00	0.00	---
TOTAL	---	3.96	2.94	3.02	5.66	0.70	2.41	3.14	5.89	2.97	3.95	10.60

2004 Water Year

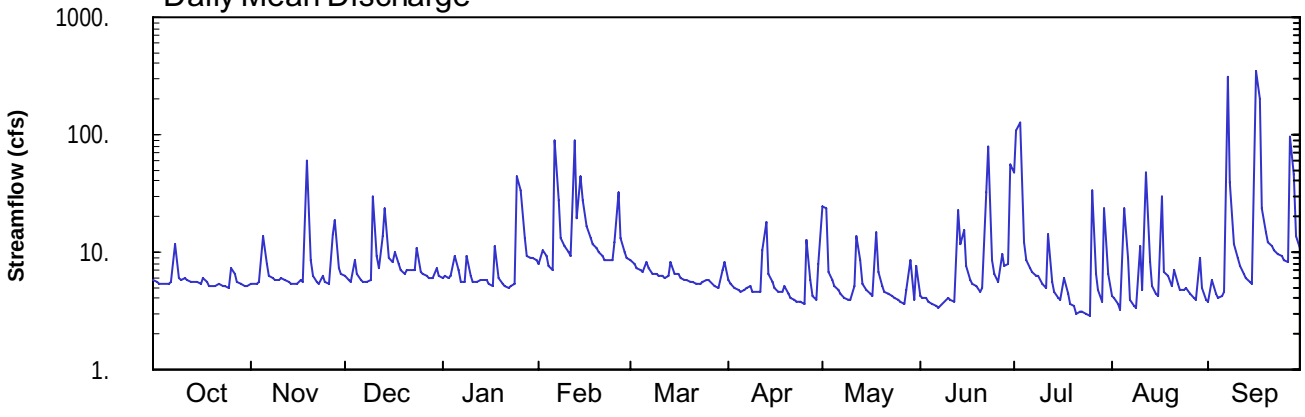
APALACHICOLA RIVER BASIN

02346310 POTATO CREEK AT COUNTY LINE RD, NR ORCHARD HILL,GA

Latitude: 33°11'14" Longitude: 084°13'46" Hydrologic Unit Code: 03130005

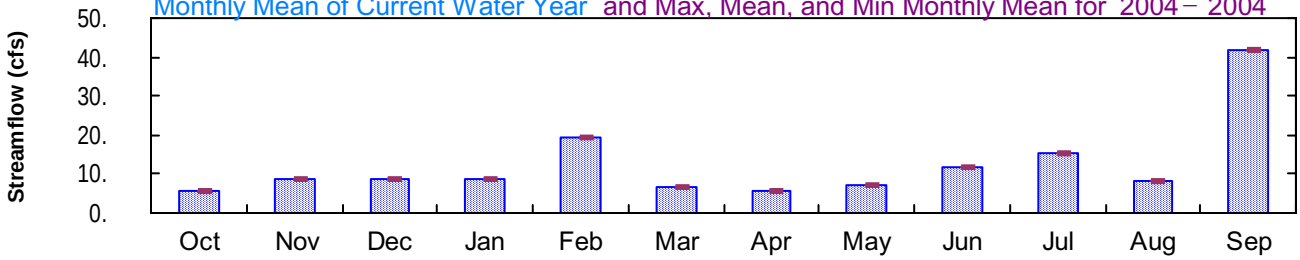
Spalding County Datum: 760 feet Drainage Area: 8.8 mi^2

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2004 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02346310 POTATO CREEK AT COUNTY LINE ROAD, NEAR ORCHARD HILL, GA

LOCATION.—Lat 33°11'14", long 84°13'46", referenced to North American Datum (NAD) of 1983, Spaulding-Lamar County line, Hydrologic Unit 03130005, at upstream right bridge abutment on County Line road, 0.8 miles west of Orchard Hill, and 2.6 miles north of Honey Bee Creek.

DRAINAGE AREA.—8.8 square miles.

COOPERATION.—City of Griffin.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 19, 2003 to September 30, 2004.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good except for estimated days, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 18, 2003 to September 30, 2004.

GAGE.— Satellite telemetry with a water-stage recorder. Datum of gage is 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.46 feet, September 16; minimum gage-height recorded, 5.08 feet, July 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 19, 2003 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02346310 POTATO CREEK AT COUNTY LINE RD, NR ORCHARD HILL,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331114 LONGITUDE 0841346 NAD83 DRAINAGE AREA 8.80* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	5.4	6.2	6.1	8.0	8.5	5.9	25	4.3	48	4.3	3.8
2	5.5	5.4	5.9	6.2	11	8.0	5.3	24	4.0	e108	4.1	5.9
3	5.4	5.3	5.6	6.1	9.4	7.4	4.9	6.8	4.0	125	3.6	4.4
4	5.3	5.5	8.5	6.2	7.6	6.9	4.7	5.7	3.8	12	3.3	4.1
5	5.3	14	6.5	9.4	7.0	6.7	4.7	5.1	3.6	8.5	24	4.2
6	5.3	8.0	5.8	6.9	91	8.3	4.8	4.7	3.5	7.3	9.0	4.7
7	5.5	6.2	5.6	5.5	28	7.3	4.9	4.3	3.4	6.7	3.9	309
8	12	6.0	5.7	5.5	13	6.4	5.2	4.1	3.6	6.2	3.4	38
9	6.1	5.8	5.7	9.2	11	6.4	4.7	3.9	3.8	6.4	3.3	12
10	5.8	5.9	30	6.2	10	6.1	4.6	3.9	4.1	5.4	11	8.8
11	6.0	6.0	9.3	5.5	9.4	6.2	4.5	5.2	3.9	5.0	4.8	7.6
12	5.7	5.9	7.3	5.6	90	6.1	10	14	3.8	14	47	6.4
13	5.7	5.6	13	5.9	19	6.3	18	8.6	23	5.5	8.3	6.0
14	5.6	5.4	23	5.9	44	8.3	6.6	5.4	12	4.5	5.1	5.6
15	5.5	5.4	9.0	5.7	28	6.5	5.5	4.8	15	4.1	4.4	5.3
16	5.3	5.4	8.2	5.5	16	6.5	4.9	4.4	7.8	3.9	4.2	e350
17	6.0	5.7	9.8	5.2	13	6.1	4.6	4.2	5.8	6.1	30	e200
18	5.5	5.7	7.8	11	12	5.9	4.5	15	5.3	4.4	6.9	24
19	5.1	60	7.1	5.9	11	5.7	5.2	6.8	5.2	3.7	6.3	15
20	5.2	8.6	6.5	5.4	9.9	5.6	4.3	5.2	4.7	3.5	5.2	12
21	5.2	6.2	7.1	5.2	9.1	5.6	4.1	4.7	4.9	3.0	7.1	11
22	5.3	5.6	6.9	5.0	8.5	5.4	3.9	4.4	33	3.1	5.3	10
23	5.2	5.4	7.1	5.1	8.5	5.4	3.8	4.3	79	3.0	4.7	9.7
24	5.1	6.3	11	5.3	8.6	5.7	3.8	4.1	8.6	2.9	4.8	9.1
25	5.0	5.6	6.9	45	12	5.8	3.7	3.9	6.5	2.9	5.0	8.7
26	7.5	5.4	6.5	33	32	5.7	13	3.8	5.7	33	4.3	8.3
27	6.4	14	6.3	13	13	5.3	5.8	3.7	9.7	6.5	4.0	97
28	5.6	19	6.0	9.3	10	5.1	4.2	4.8	7.7	4.8	4.0	45
29	5.4	7.3	6.1	8.7	9.1	5.0	3.9	8.6	7.9	3.8	8.9	13
30	5.2	6.4	7.2	9.0	---	7.1	7.9	4.0	57	23	4.9	11
31	5.2	---	6.3	8.5	---	8.3	---	7.5	---	6.6	3.9	---
TOTAL	178.7	262.4	263.9	276.0	559.1	199.6	171.9	214.9	344.6	480.8	249.0	1249.6
MEAN	5.76	8.75	8.51	8.90	19.3	6.44	5.73	6.93	11.5	15.5	8.03	41.7
MAX	12	60	30	45	91	8.5	18	25	79	125	47	350
MIN	5.0	5.3	5.6	5.0	7.0	5.0	3.7	3.7	3.4	2.9	3.3	3.8
CFSM	0.66	0.99	0.97	1.01	2.19	0.73	0.65	0.79	1.31	1.76	0.91	4.73
IN.	0.76	1.11	1.12	1.17	2.36	0.84	0.73	0.91	1.46	2.03	1.05	5.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

MEAN	5.76	8.75	8.51	8.90	19.3	6.44	5.73	6.93	11.5	15.5	8.03	41.7
MAX	5.76	8.75	8.51	8.90	19.3	6.44	5.73	6.93	11.5	15.5	8.03	41.7
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004
MIN	5.76	8.75	8.51	8.90	19.3	6.44	5.73	6.93	11.5	15.5	8.03	41.7
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004

SUMMARY STATISTICS FOR 2004 WATER YEAR

ANNUAL TOTAL	4450.5	
ANNUAL MEAN	12.2	
HIGHEST DAILY MEAN	e 350	Sep 16
LOWEST DAILY MEAN	2.9	Jul 24 a
ANNUAL SEVEN-DAY MINIMUM	3.2	Jul 19
MAXIMUM PEAK STAGE	12.46	Sep 16
ANNUAL RUNOFF (CFSM)	1.38	
ANNUAL RUNOFF (INCHES)	18.81	
10 PERCENT EXCEEDS	15	
50 PERCENT EXCEEDS	5.9	
90 PERCENT EXCEEDS	4.0	

e Estimated
a Also Jul 25

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02346310 POTATO CREEK AT COUNTY LINE RD, NR ORCHARD HILL,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331114 LONGITUDE 0841346 NAD83 DRAINAGE AREA 8.80* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.23	5.21	5.33	5.32	5.42	5.42	5.28	5.84	5.19	6.33	5.21	5.18
2	5.21	5.21	5.31	5.33	5.51	5.39	5.25	5.79	5.18	6.58	5.20	5.30
3	5.21	5.20	5.30	5.33	5.48	5.36	5.23	5.33	5.17	7.02	5.16	5.22
4	5.20	5.21	5.44	5.33	5.40	5.34	5.22	5.27	5.16	5.59	5.13	5.20
5	5.20	5.45	5.34	5.45	5.37	5.33	5.21	5.24	5.15	5.44	5.54	5.21
6	5.20	5.34	5.31	5.37	6.60	5.40	5.23	5.22	5.14	5.38	5.41	5.23
7	5.21	5.25	5.30	5.29	5.98	5.36	5.23	5.20	5.13	5.35	5.19	8.90
8	5.45	5.24	5.30	5.29	5.61	5.31	5.25	5.18	5.14	5.32	5.15	6.17
9	5.25	5.23	5.31	5.46	5.53	5.31	5.22	5.17	5.16	5.33	5.14	5.57
10	5.23	5.23	5.96	5.33	5.48	5.30	5.21	5.17	5.18	5.28	5.42	5.45
11	5.24	5.24	5.48	5.30	5.46	5.30	5.21	5.24	5.16	5.26	5.24	5.39
12	5.23	5.23	5.38	5.30	6.88	5.29	5.35	5.44	5.16	5.51	6.18	5.33
13	5.22	5.22	5.55	5.32	5.78	5.31	5.70	5.41	5.72	5.28	5.42	5.31
14	5.22	5.21	5.87	5.31	6.28	5.38	5.32	5.26	5.51	5.23	5.26	5.29
15	5.22	5.21	5.47	5.30	6.00	5.32	5.27	5.22	5.60	5.20	5.22	5.27
16	5.21	5.21	5.43	5.29	5.70	5.32	5.23	5.20	5.38	5.18	5.20	7.41
17	5.24	5.23	5.50	5.28	5.60	5.30	5.21	5.18	5.28	5.29	5.83	7.59
18	5.21	5.22	5.41	5.52	5.54	5.28	5.21	5.46	5.25	5.22	5.36	5.92
19	5.19	6.35	5.38	5.32	5.51	5.27	5.24	5.33	5.25	5.17	5.32	5.68
20	5.20	5.42	5.35	5.29	5.48	5.27	5.19	5.25	5.22	5.15	5.27	5.59
21	5.19	5.33	5.38	5.28	5.44	5.27	5.18	5.22	5.23	5.12	5.35	5.55
22	5.20	5.30	5.37	5.27	5.42	5.26	5.17	5.20	5.63	5.12	5.27	5.51
23	5.20	5.29	5.37	5.27	5.41	5.26	5.16	5.19	6.63	5.12	5.24	5.49
24	5.19	5.34	5.53	5.28	5.42	5.27	5.16	5.18	5.58	5.11	5.24	5.46
25	5.19	5.30	5.37	6.19	5.56	5.28	5.15	5.17	5.56	5.10	5.25	5.44
26	5.30	5.29	5.35	6.09	6.06	5.28	5.44	5.16	5.52	5.93	5.22	5.43
27	5.26	5.50	5.34	5.62	5.59	5.25	5.28	5.15	5.61	5.33	5.19	6.73
28	5.22	5.78	5.32	5.48	5.48	5.24	5.19	5.20	5.60	5.24	5.19	6.27
29	5.21	5.39	5.33	5.46	5.44	5.23	5.17	5.38	5.60	5.18	5.38	5.63
30	5.20	5.34	5.38	5.47	---	5.34	5.31	5.17	6.21	5.58	5.25	5.53
31	5.20	---	5.33	5.44	---	5.40	---	5.33	---	5.33	5.18	---
MEAN	5.22	5.33	5.41	5.41	5.67	5.31	5.25	5.28	5.41	5.43	5.31	5.78
MAX	5.45	6.35	5.96	6.19	6.88	5.42	5.70	5.84	6.63	7.02	6.18	8.90
MIN	5.19	5.20	5.30	5.27	5.37	5.23	5.15	5.15	5.13	5.10	5.13	5.18

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02346310 POTATO CREEK AT COUNTY LINE RD, NR ORCHARD HILL,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331114 LONGITUDE 0841346 NAD83 DRAINAGE AREA 8.80* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.10	0.00	0.12
2	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.07	0.00	0.84	0.08	0.00
3	0.00	0.00	0.11	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.01	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.73	0.01	0.24	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00
6	0.06	0.00	0.00	0.00	1.39	0.15	0.01	0.00	0.00	0.02	0.00	1.10
7	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	3.98
8	0.65	0.00	0.00	0.03	0.00	0.00	0.13	0.00	0.00	0.01	0.00	0.06
9	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.07	0.00	0.86	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.65	0.00
11	0.00	0.00	0.00	0.00	0.21	0.00	0.03	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.17	0.00	0.35	1.26	0.07	0.28	0.74	0.00
13	0.00	0.00	0.42	0.00	0.00	0.00	0.36	0.19	1.52	0.00	0.00	0.00
14	0.01	0.00	0.29	0.00	0.72	0.00	0.00	0.00	0.68	0.10	0.00	0.00
15	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.27	0.00	0.00	0.01
16	0.00	0.00	0.05	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.00	4.25
17	0.12	0.00	0.07	0.30	0.00	0.00	0.00	0.03	0.00	0.67	0.01	0.11
18	0.00	0.32	0.00	0.10	0.00	0.00	0.00	0.13	0.02	0.00	0.00	0.00
19	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.02	0.00
21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.34	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00
23	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
24	0.00	0.13	0.03	0.01	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00
25	0.00	0.00	0.00	1.44	0.51	0.00	0.00	0.00	0.66	0.36	0.00	0.00
26	0.16	0.00	0.00	0.29	0.40	0.00	0.28	0.00	0.00	0.56	0.00	0.00
27	0.00	0.64	0.00	0.00	0.00	0.00	0.01	0.00	0.11	0.60	0.00	2.21
28	0.01	0.29	0.00	0.00	0.00	0.00	0.00	0.63	0.06	0.00	0.00	0.00
29	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.09	0.01	0.15	0.59	0.00
30	0.00	0.00	0.05	0.00	---	0.39	1.26	0.00	0.30	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.10	---	0.27	---	0.00	0.00	---
TOTAL	1.20	3.37	2.38	2.69	4.93	0.74	2.43	3.52	5.50	3.87	3.93	11.84

APALACHICOLA RIVER BASIN
2004 Water Year

02346475 POTATO CREEK NORTHWEST OF THOMASTON, GA

LOCATION.—Lat 32°54'38", long. 84°21'25", referenced to North American Datum (NAD) of 1927, Upson County, Hydrologic Unit 03130005, 0.5 miles upstream from Basin Creek, 0.5 miles downstream from Tenmile Creek, and 2.4 miles northwest of Thomaston.

DRAINAGE AREA.—178.0 square miles.

COOPERATION.—City of Thomaston.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 1984 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 622 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 4 is effective from October 1, 2003 to September 30, 2004.

REMARKS.—Records fair only due to poor available sections for standard measuring methods. Measurements for the current water year are as follows:

DATE	GAGE HEIGHT (feet)	DISCHARGE (cfs)
10/09/03	2.01	135
04/01/04	2.08	162
07/01/04	1.85	110
08/19/04	1.48	44.1

2004 Water Year

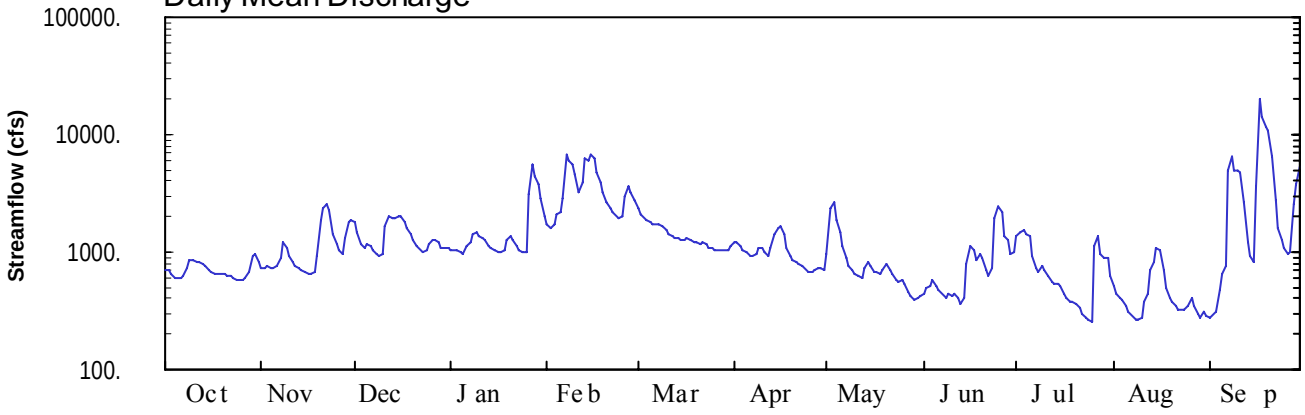
APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA

Latitude: 32°43'17" Longitude: 084°13'57" Hydrologic Unit Code: 03130005

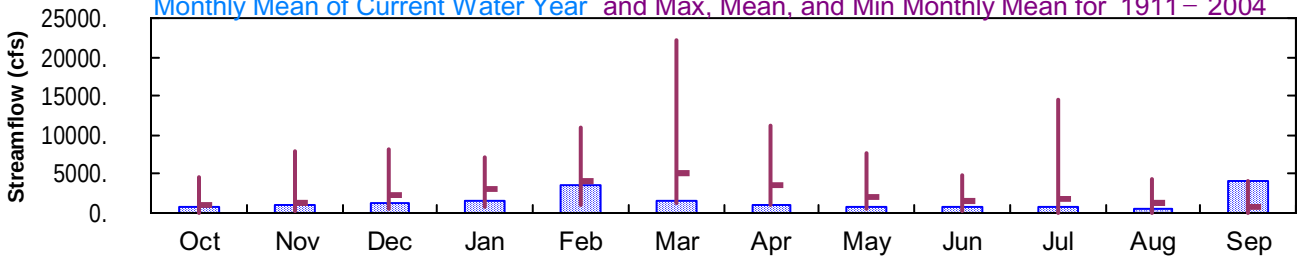
Upson County Datum: 334.54 feet Drainage Area: 1850. mi²

Daily Mean Discharge

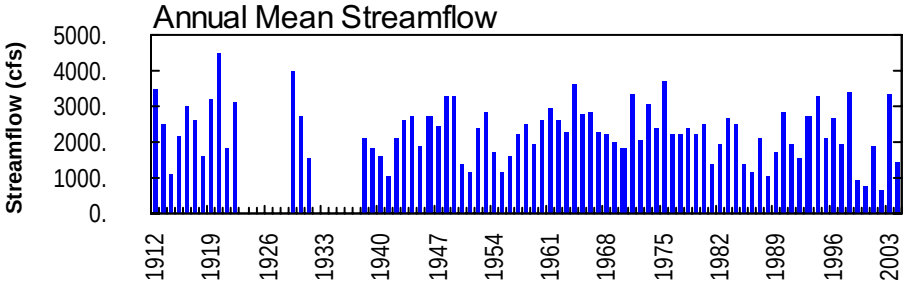


Monthly Statistics

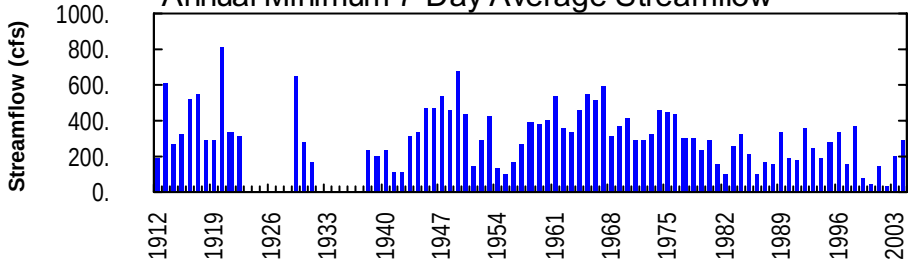
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1911 – 2004



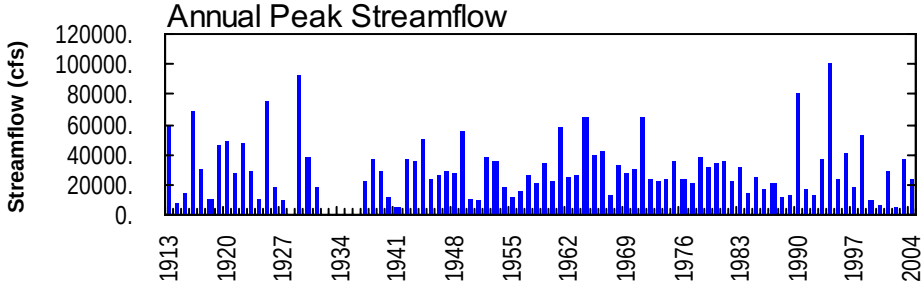
Annual Mean Streamflow

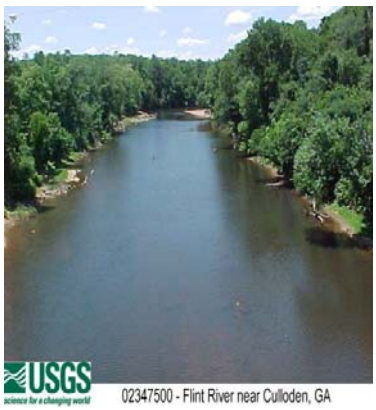


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2004 Water Year

02347500 FLINT RIVER NEAR CULLODEN, GA

LOCATION.—Lat 32°43'17", long 84°13'57", referenced to North American Datum (NAD) of 1983, Taylor-Upson County line, Hydrologic Unit 03130005, on left bank underneath bridge on US 19, 4.0 miles upstream from Auchumpkee Creek, 5.0 miles downstream from Swift Creek, 13.0 miles southwest of Culloden, and at mile 238.4.

DRAINAGE AREA.—1,850 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

REVISED RECORDS.—WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 334.54 feet above National Geodetic Vertical Datum (NGVD) of 1929. From July 1, 1911 to October 11, 1918, a non-recording gage was installed. From October 12, 1918 to May 31, 1923, a water-stage recorder was located at a site 2.5 miles downstream at different datum. From July 21, 1928 to December 31, 1931, and from March 18, 1937 to May 3, 1939, a non-recording gage was located at present site and datum.

REMARKS.—Records good, except those below 100 cfs and periods of estimated discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 11,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/17	0545	23,800*	19.21*

No other peaks above base discharge

02347500 FLINT RIVER NEAR CULLODEN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 334.54 feet above National Geodetic Vertical Datum (NGVD) of 1929. From July 1, 1911 to October 11, 1918, a non-recording gage was installed. From October 12, 1918 to May 31, 1923, a water-stage recorder was located at a site 2.5 miles downstream at different datum. From July 21, 1928 to December 31, 1931, and from March 18, 1937 to May 3, 1939, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR THE CURRENT YEAR.—Maximum gage-height recorded, 19.21 feet, September 17; minimum gage-height recorded, 1.25 feet, July 25, August 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 20, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02347500 FLINT RIVER NEAR CULLODEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 293
LATITUDE 324317 LONGITUDE 0841357 NAD83 DRAINAGE AREA 1850.00* CONTRIBUTING DRAINAGE AREA DATUM 334.54 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	716	725	1810	1050	1720	2390	1210	955	435	1360	524	272
2	694	741	1490	1040	1580	2110	1230	2370	498	1460	445	286
3	663	761	1150	1020	1760	1950	1140	2620	511	1510	412	307
4	608	733	1090	989	2110	1850	1050	1900	587	1430	385	476
5	605	724	1180	981	2160	1830	984	1460	518	1350	343	654
6	597	762	1120	1120	2900	1750	938	1130	480	942	306	758
7	625	888	1050	1220	6730	1750	913	890	435	724	288	4970
8	726	1200	978	1410	6140	1740	951	773	411	683	266	6470
9	854	1080	926	1470	5470	1660	1090	710	449	755	268	4910
10	867	914	978	1370	4620	1540	1070	656	422	702	275	5030
11	820	814	1660	1310	3160	1440	996	637	437	624	370	4710
12	831	760	2040	1240	3870	1370	939	611	406	556	442	2620
13	788	725	1930	1140	6220	1330	1060	743	369	545	702	1240
14	752	696	1910	1080	6010	1290	1420	807	411	531	808	936
15	716	676	2030	1040	6740	1270	1600	775	806	507	1090	814
16	684	661	1990	1020	6240	1280	1690	684	1130	444	1060	3560
17	660	662	1800	990	4810	1310	1410	668	1050	400	710	20500
18	649	679	1580	1050	3970	1280	1070	657	845	376	491	14200
19	645	923	1430	1250	3280	1230	940	717	952	375	413	11600
20	646	1850	1280	1350	2690	1200	866	787	876	358	376	10700
21	633	2330	1130	1280	2400	1180	830	716	698	329	345	6400
22	623	2590	1040	1130	2190	1210	788	642	635	298	323	2710
23	604	2260	986	1040	2020	1160	753	575	719	278	321	1570
24	576	1440	1050	991	1950	1100	715	567	1980	261	328	1250
25	570	1160	e1180	1010	1990	1060	687	587	2430	258	354	1070
26	576	1040	e1260	3130	3010	e1040	669	532	2190	1150	413	950
27	603	977	e1280	5510	3570	1020	705	467	1370	1360	343	985
28	666	1290	e1200	4350	3180	e1020	745	421	1240	976	295	2520
29	921	1810	e1100	3820	2750	e1020	727	399	965	873	275	3780
30	966	1880	e1100	2870	---	1030	706	409	991	894	315	5340
31	815	---	1070	2020	---	1110	---	419	---	634	285	---
TOTAL	21699	33751	41818	50291	105240	43520	29892	26284	25246	22943	13571	121588
MEAN	700	1125	1349	1622	3629	1404	996	848	842	740	438	4053
MAX	966	2590	2040	5510	6740	2390	1690	2620	2430	1510	1090	20500
MIN	570	661	926	981	1580	1020	669	399	369	258	266	272
CFSM	0.38	0.61	0.73	0.88	1.96	0.76	0.54	0.46	0.45	0.40	0.24	2.19
IN.	0.44	0.68	0.84	1.01	2.12	0.88	0.60	0.53	0.51	0.46	0.27	2.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	957	1364	2389	3132	4036	5170	3445	2042	1424	1685	1159	874
MAX	4691	7856	8151	7256	10960	22290	11240	7585	4833	14430	4371	4053
(WY)	1930	1949	1920	1946	1961	1929	1964	2003	2003	1994	1928	2004
MIN	108	236	463	715	1049	1303	933	392	144	77.5	122	121
(WY)	1955	2002	2002	1956	1938	1918	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	1116328		535843			
ANNUAL MEAN	3058		1464		2291	
HIGHEST ANNUAL MEAN					4500	1920
LOWEST ANNUAL MEAN					689	2002
HIGHEST DAILY MEAN	35800	May 9	20500	Sep 17	92000	Jul 6 1994
LOWEST DAILY MEAN	530	Sep 21	258	Jul 25	29	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	598	Oct 21	291	Aug 28	38	Sep 7 2002
MAXIMUM PEAK FLOW			23800	Sep 17	100000	Jul 6 1994
MAXIMUM PEAK STAGE			19.21	Sep 17	45.73	Jul 6 1994
INSTANTANEOUS LOW FLOW			242	Jul 25	26	Sep 13 2002
ANNUAL RUNOFF (CFSM)	1.65		0.791		1.24	
ANNUAL RUNOFF (INCHES)	22.45		10.77		16.83	
10 PERCENT EXCEEDS	5800		2720		4740	
50 PERCENT EXCEEDS	1860		990		1300	
90 PERCENT EXCEEDS	714		411		424	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02347500 FLINT RIVER NEAR CULLODEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 293
LATITUDE 324317 LONGITUDE 0841357 NAD83 DRAINAGE AREA 1850.00* CONTRIBUTING DRAINAGE AREA DATUM 334.54 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.23	2.25	3.94	2.88	3.82	4.65	3.01	2.62	1.70	3.24	1.88	1.33
2	2.19	2.27	3.50	2.87	3.62	4.28	3.04	4.58	1.83	3.39	1.72	1.36
3	2.14	2.31	3.03	2.83	3.87	4.08	2.91	4.93	1.85	3.46	1.65	1.42
4	2.04	2.26	2.93	2.78	4.32	3.94	2.77	4.00	2.00	3.35	1.60	1.78
5	2.03	2.25	3.06	2.77	4.38	3.91	2.68	3.39	1.87	3.22	1.50	2.12
6	2.01	2.31	2.98	2.98	5.25	3.80	2.60	2.89	1.79	2.61	1.42	2.30
7	2.07	2.52	2.88	3.12	9.34	3.80	2.56	2.52	1.70	2.24	1.37	7.19
8	2.25	3.01	2.77	3.38	8.82	3.79	2.62	2.33	1.65	2.17	1.31	9.08
9	2.47	2.83	2.68	3.47	8.21	3.67	2.83	2.22	1.73	2.30	1.32	7.65
10	2.49	2.56	2.76	3.33	7.33	3.50	2.81	2.12	1.68	2.20	1.34	7.78
11	2.41	2.40	3.74	3.25	5.61	3.35	2.69	2.09	1.71	2.06	1.56	7.43
12	2.43	2.31	4.24	3.15	6.38	3.26	2.60	2.04	1.64	1.94	1.72	4.92
13	2.36	2.25	4.10	3.02	8.89	3.20	2.79	2.28	1.56	1.92	2.20	3.06
14	2.30	2.20	4.08	2.92	8.71	3.14	3.33	2.39	1.65	1.89	2.39	2.60
15	2.23	2.16	4.22	2.86	9.36	3.11	3.59	2.33	2.38	1.85	2.83	2.40
16	2.17	2.13	4.17	2.83	8.91	3.13	3.71	2.17	2.90	1.72	2.79	4.94
17	2.13	2.14	3.92	2.78	7.54	3.17	3.31	2.15	2.78	1.63	2.21	17.63
18	2.11	2.16	3.63	2.87	6.60	3.12	2.80	2.12	2.45	1.58	1.81	14.33
19	2.10	2.57	3.41	3.17	5.75	3.04	2.60	2.23	2.62	1.57	1.66	12.80
20	2.10	3.94	3.21	3.31	5.02	3.00	2.48	2.35	2.50	1.54	1.58	12.19
21	2.08	4.56	2.99	3.21	4.65	2.98	2.43	2.23	2.20	1.47	1.51	8.97
22	2.06	4.89	2.86	2.99	4.39	3.02	2.36	2.10	2.08	1.40	1.46	5.03
23	2.03	4.48	2.78	2.86	4.17	2.94	2.30	1.97	2.23	1.34	1.45	3.55
24	1.98	3.39	2.88	2.79	4.08	2.85	2.23	1.96	4.09	1.30	1.47	3.08
25	1.96	2.99	---	2.81	4.13	2.80	2.18	2.00	4.69	1.29	1.53	2.81
26	1.98	2.84	---	5.45	5.42	---	2.15	1.89	4.37	2.81	1.66	2.62
27	2.02	2.76	---	8.24	6.11	2.74	2.21	1.77	3.26	3.23	1.50	2.67
28	2.14	3.22	---	7.04	5.63	---	2.28	1.67	3.07	2.65	1.39	4.79
29	2.57	3.94	---	6.42	5.09	---	2.25	1.63	2.64	2.50	1.34	6.37
30	2.65	4.03	---	5.24	---	2.74	2.21	1.65	2.68	2.53	1.43	8.05
31	2.40	---	2.91	4.21	---	2.87	---	1.67	---	2.08	1.36	---
MEAN	2.20	2.86	---	3.61	6.05	---	2.68	2.40	2.38	2.21	1.68	5.74
MAX	2.65	4.89	---	8.24	9.36	---	3.71	4.93	4.69	3.46	2.83	17.63
MIN	1.96	2.13	---	2.77	3.62	---	2.15	1.63	1.56	1.29	1.31	1.33

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02347500 FLINT RIVER NEAR CULLODEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 293
LATITUDE 324317 LONGITUDE 0841357 NAD83 DRAINAGE AREA 1850.00* CONTRIBUTING DRAINAGE AREA DATUM 334.54 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	---	---	---	0.01	---	---	0.00
2	0.00	0.00	0.00	0.00	0.43	---	---	---	0.00	---	---	0.00
3	0.00	0.00	0.03	0.00	0.01	---	---	---	0.03	---	---	0.00
4	0.00	0.01	0.52	0.00	0.00	---	---	---	0.00	---	---	0.00
5	0.00	0.03	0.00	0.37	0.00	---	---	---	0.00	---	---	0.00
6	0.08	0.01	0.00	0.00	1.25	---	---	---	0.00	---	---	3.77
7	0.58	0.00	0.00	0.00	0.00	---	---	---	0.03	---	---	2.42
8	0.81	0.00	0.00	0.09	0.00	---	---	---	0.00	---	---	0.01
9	0.00	0.00	0.00	0.21	0.00	---	---	---	0.02	---	---	0.00
10	0.04	0.00	0.69	0.00	0.02	---	---	0.00	0.07	---	---	0.00
11	0.01	0.00	0.00	0.00	0.24	---	---	0.00	0.00	---	---	0.68
12	0.00	0.00	0.00	0.00	0.96	---	---	0.01	0.00	---	---	0.00
13	0.00	0.00	0.18	0.00	0.00	---	---	0.00	0.08	---	---	0.00
14	0.04	0.00	0.31	0.00	0.72	---	---	0.00	0.07	---	---	0.00
15	0.00	0.00	0.00	0.00	0.10	---	---	0.00	0.51	---	---	0.00
16	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.01	---	---	3.87
17	0.08	0.00	0.04	0.20	0.02	---	---	0.01	0.02	---	---	0.04
18	0.01	0.71	0.00	0.19	0.00	---	---	0.30	0.12	---	---	0.00
19	0.00	0.41	0.00	0.00	0.00	---	---	0.00	0.00	---	---	0.00
20	0.00	0.00	0.00	0.00	0.00	---	---	0.41	0.01	---	---	0.00
21	0.00	0.00	0.00	0.00	0.00	---	---	0.00	1.45	---	0.28	0.00
22	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.29	---	0.00	0.00
23	0.00	0.00	0.32	0.00	---	---	---	0.00	0.70	---	0.00	0.00
24	0.00	0.10	0.11	0.00	---	---	---	0.00	0.18	---	0.00	0.00
25	0.00	0.00	0.00	0.97	---	---	---	0.00	0.65	---	0.00	0.00
26	0.15	0.00	---	1.88	---	---	---	0.00	0.00	---	0.00	0.00
27	0.00	0.59	0.00	0.01	---	---	---	0.00	0.41	---	0.00	1.79
28	0.10	0.37	0.00	0.00	---	---	---	0.00	0.04	---	0.00	0.00
29	0.00	0.00	0.00	0.00	---	---	---	0.00	0.00	---	0.31	0.00
30	0.00	0.00	---	0.00	---	---	---	0.00	---	---	0.00	0.00
31	0.00	---	0.00	0.00	---	---	---	0.24	---	---	0.20	---
TOTAL	1.90	2.23	---	3.92	---	---	---	---	---	---	---	12.58

APALACHICOLA RIVER BASIN
2004 Water Year

02349030 CEDAR CREEK AT US 19, NEAR RUPERT, GA

LOCATION.—Lat 32°23'21", long 84°17'49", referenced to North American Datum (NAD) of 1927, Taylor County, Hydrologic Unit 03130005, at US 19, 3.0 miles south of Rupert.

DRAINAGE AREA.—41.1 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 390.00 feet above National Geodetic Vertical Datum (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.50 feet, July 6, 1994
DISCHARGE: 2,400 cfs, July 6, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 3.67 feet, January 27
DISCHARGE: 330 cfs, January 27

02349330 BUCK CREEK TRIBUTARY AT GA 240, NEAR TAZEWELL, GA

LOCATION.—Lat 32°20'49", long 84°22'26", referenced to North American Datum (NAD) of 1927, Schley County, Hydrologic Unit 03130006, at culvert on GA 240, 4.3 miles east of Tazewell.

DRAINAGE AREA.—0.40 square miles approximately.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 495.00 feet above National Geodetic Vertical Datum (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 4.37 feet, October 1, 1989
DISCHARGE: 103 cfs, October 1, 1989

MAXIMUM FOR CURRENT YEAR.—
STAGE: 2.18 feet, September 16
DISCHARGE: 23.3 cfs, September 16

APALACHICOLA RIVER BASIN
2004 Water Year

02349350 BUCK CREEK AT US 19, NEAR ELLAVILLE, GA

LOCATION.—Lat 32°18'35", long 84°17'36", referenced to North American Datum (NAD) of 1927, Schley County, Hydrologic Unit 03130006, at US 19, 5.0 miles north of Ellaville.

DRAINAGE AREA.—146 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 350.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 11.31 feet, July 6, 1994
DISCHARGE: 7,800 cfs, July 6, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.99 feet, January 28
DISCHARGE: 1,500 cfs, January 28

2004 Water Year

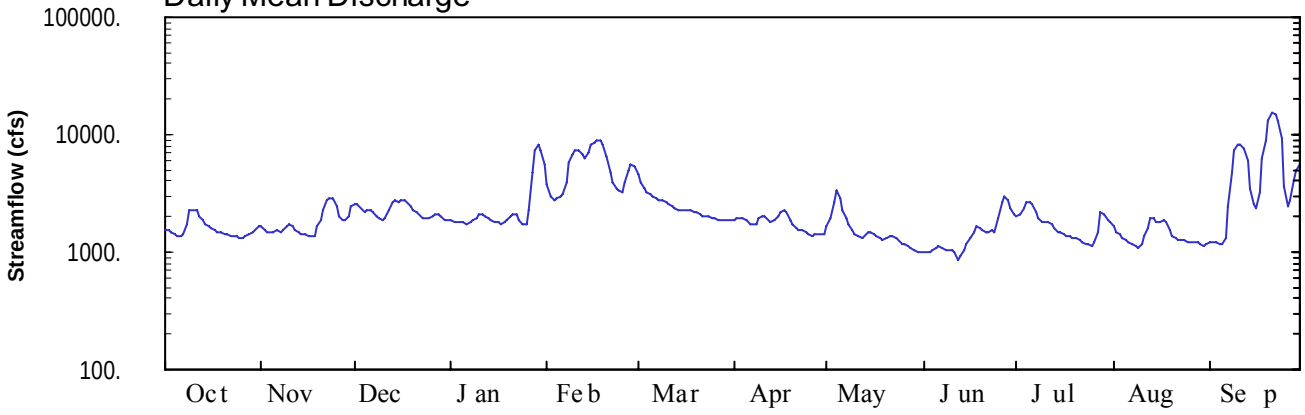
APALACHICOLA RIVER BASIN

02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA

Latitude: 32°17'35" Longitude: 084°02'37" Hydrologic Unit Code: 03130006

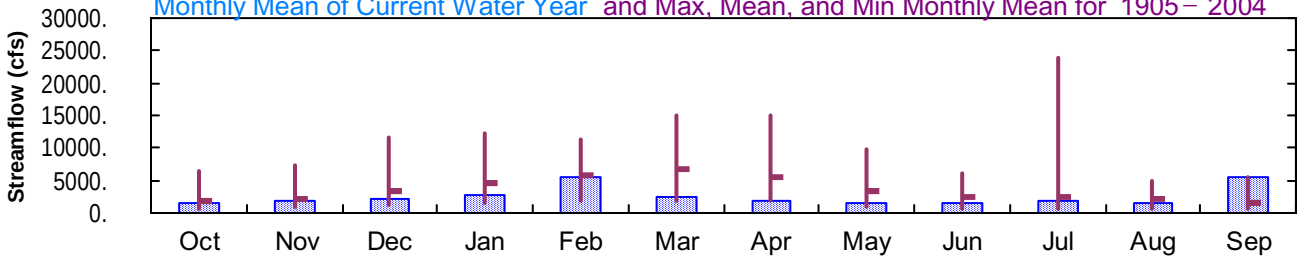
Macon County Datum: 250.00 feet Drainage Area: 2920. mi²

Daily Mean Discharge

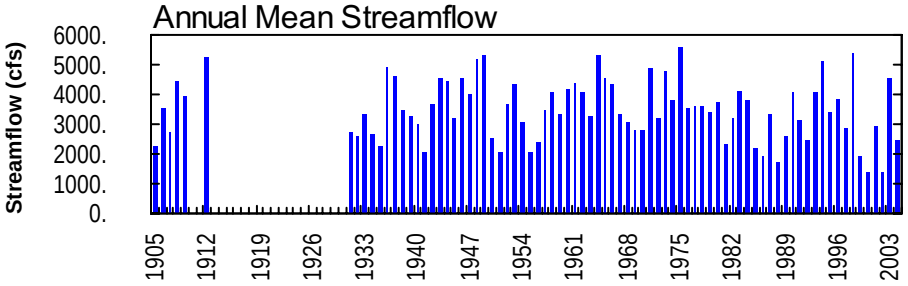


Monthly Statistics

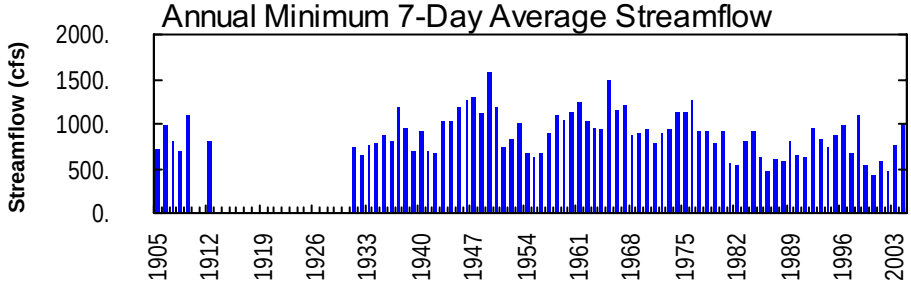
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1905 – 2004



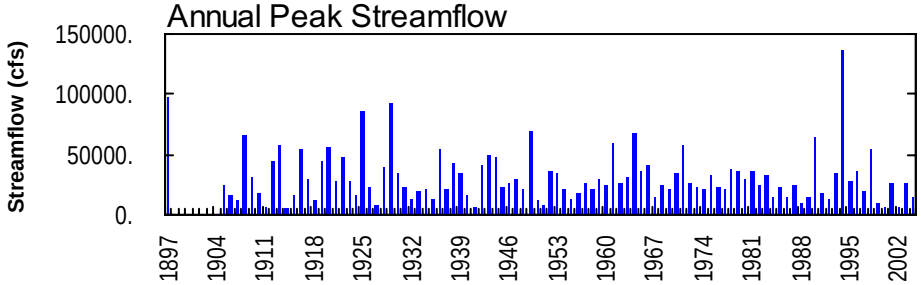
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA

LOCATION.—Lat 32°17'35", long 84°02'37", referenced to North American Datum (NAD) of 1983, Macon County, Hydrologic Unit 03130006, near left bank on downstream end of pier of bridge on GA 26, 1,250 feet downstream from Central of Georgia Railway bridge, 850 feet downstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, 0.3 miles downstream from Buck Creek, 1.0 mile west of Montezuma and at mile 180.3.

DRAINAGE AREA.—2,920 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Crisp County Power Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1904 to December 1912 (published as "near Montezuma"), July 1930 to September 30, 2002 (published as station 02349500 Flint River at Montezuma, GA), October 1, 2002 to September 30, 2003. Monthly discharge only for January to December 1910, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 852: 1936(M). WSP 1504: 1905-9, 1911-12, drainage area (at site used prior 1912). WDR GA-82-1: 1981(P).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 255.83 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 1905 to December 1909, and from January 1911 to December 1912, a non-recording gage was located at a site 1.5 miles upstream at same datum. From July 1, 1930 to June 30, 1933, and from October 1, 1934 to December 12, 1941, a non-recording gage was located at the site. From December 13, 1941 to October 25, 1955, a water-stage recorder was located at a site 500 feet downstream at same datum. From October 25, 1955 to September 30, 2002, a water stage recorder was located 2,250 feet upstream of current location at the same datum.

REMARKS.—Records good. Prior to December 31, 1963, when operation was discontinued, moderate diurnal fluctuation at low flow caused by power plant above station.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood on March 2, 1897, reached a stage of 26.0 feet at former site with a discharge of 97,000 cfs, determined from rating curve extended above 10,000 cfs on basis of peak flows passing upstream and downstream stations (from National Weather Service). Flood on March 17, 1929, reached a stage of 27.4 feet at the present site with a discharge of 92,300 cfs, determined from a rating curve extended above 65,000 cfs (from National Weather Service).

02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA—continued.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 13,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/21	1245	15,600*	14.20*

No other peaks above base discharge

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1904 to December 1912 (published as "near Montezuma"), July 1930 to September 30, 2002 (published as station 02349500 Flint River at Montezuma, GA), October 1, 2002 to September 30, 2003. Monthly discharge only for January to December 1910, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 255.83 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 1905 to December 1909, and from January 1911 to December 1912, a non-recording gage was located at a site 1.5 miles upstream at same datum. From July 1, 1930 to June 30, 1933, and from October 1, 1934 to December 12, 1941, a non-recording gage was located at the site. From December 13, 1941 to October 25, 1955, a water-stage recorder was located at a site 500 feet downstream at same datum. From October 25, 1955 to September 30, 2002, a water stage recorder was located 2,250 feet upstream of current location at the same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded 14.20 feet, September 21; minimum gage-height recorded, 0.30 feet, August 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 193
LATITUDE 321735 LONGITUDE 0840237 NAD83 DRAINAGE AREA 2920.00* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	1630	2570	1830	3760	4570	1880	1630	983	2060	1670	1220
2	1530	1520	2510	1810	3040	3940	1940	1970	996	2140	1500	1220
3	1460	1460	2330	1790	2810	3490	1960	2670	1020	2350	1410	1210
4	1430	1470	2150	1780	2810	3210	1920	3370	1060	2660	1320	1170
5	1390	1480	2240	1760	2970	3040	1830	2860	1100	2700	1260	1150
6	1360	1510	2270	1760	3120	2950	1760	2290	1130	2550	1210	1320
7	1410	1510	2170	1800	3920	2860	1710	1960	1070	2170	1160	2410
8	1710	1520	2020	1890	5750	2780	1740	1710	1040	1940	1120	4830
9	2300	1680	1910	1980	6880	2730	1930	1530	1040	1790	1090	7410
10	2280	1750	1860	2110	7360	2640	2050	1420	1040	1790	1160	8110
11	2230	1660	1960	2110	7230	2550	2030	1360	985	1800	1380	8120
12	2030	1560	2270	2040	6720	2440	1890	1320	860	1700	1610	7550
13	1840	1490	2660	1960	6310	2360	1820	1370	928	1590	1960	6050
14	1730	1440	2720	1890	7090	2300	1850	1500	1040	1500	1950	3540
15	1640	1400	2700	1820	8180	2260	2050	1490	1180	1470	1820	2580
16	1570	1370	2740	1770	8630	2230	2190	1420	1310	1430	1810	2370
17	1510	1360	2750	1730	8760	2240	2270	1350	1490	1390	1870	3200
18	1470	1360	2630	1770	8820	2250	2180	1300	1680	1360	1780	6240
19	1450	1630	2460	1870	8210	2200	1900	1280	1600	1340	1560	9060
20	1420	1870	2290	1990	6400	2140	1730	1310	1530	1300	1390	13100
21	1400	2280	2160	2060	4700	2090	1630	1390	1490	1250	1300	15500
22	1380	2740	2030	2070	3910	2050	1560	1380	1470	1220	1280	14600
23	1370	2880	1920	1890	3530	2030	1510	1320	1530	1180	1280	13000
24	1350	2870	1930	1720	3300	1990	1460	1250	1490	1150	1280	9220
25	1320	2420	1980	1700	3230	1950	1420	1190	1910	1130	1230	3670
26	1330	2030	2060	2260	3850	1910	1380	1170	2640	1190	1200	2480
27	1350	1880	2090	4820	4920	1890	1400	1140	2980	1470	1190	2710
28	1400	1840	2100	7190	5590	1860	1440	1090	2710	2210	1200	4080
29	1480	2040	2000	8150	5370	1850	1430	1050	2350	2100	1170	4930
30	1560	2440	1900	7280	---	1850	1430	1010	2130	1870	1140	5650
31	1660	---	1850	5550	---	1850	---	982	---	1800	1180	---
TOTAL	48920	54090	69230	82150	157170	76500	53290	48082	43782	53600	43480	167700
MEAN	1578	1803	2233	2650	5420	2468	1776	1551	1459	1729	1403	5590
MAX	2300	2880	2750	8150	8820	4570	2270	3370	2980	2700	1960	15500
MIN	1320	1360	1850	1700	2810	1850	1380	982	860	1130	1090	1150
CFSM	0.54	0.62	0.76	0.91	1.86	0.85	0.61	0.53	0.50	0.59	0.48	1.91
IN.	0.62	0.69	0.88	1.05	2.00	0.97	0.68	0.61	0.56	0.68	0.55	2.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2004, BY WATER YEAR (WY)

MEAN	1684	2098	3507	4720	5855	6731	5428	3260	2369	2575	2042	1584
MAX	6339	7272	11490	12350	11380	14980	15030	9758	6122	23990	4854	5590
(WY)	1965	1993	1949	1936	1974	1971	1936	1953	1959	1994	1936	2004
MIN	639	838	1100	1443	1962	1953	1736	840	509	477	506	647
(WY)	1955	1932	2002	1956	1989	1911	1986	2000	2000	2000	2000	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1905 - 2004	
ANNUAL TOTAL	1565460		897994			
ANNUAL MEAN	4289		2454		3497	
HIGHEST ANNUAL MEAN					5593	1975
LOWEST ANNUAL MEAN					1381	2002
HIGHEST DAILY MEAN	26300	May 12	15500	Sep 21	130000	Jul 7 1994
LOWEST DAILY MEAN	1320	Oct 25	860	Jun 12	408	Aug 26 2000
ANNUAL SEVEN-DAY MINIMUM	1360	Oct 21	990	Jun 8	416	Aug 14 2000
MAXIMUM PEAK FLOW			15600	Sep 21	136000	Jul 8 1994
MAXIMUM PEAK STAGE			14.20	Sep 21	34.11	Jul 8 1994
INSTANTANEOUS LOW FLOW			854	Jun 13	397	Aug 26 2000
ANNUAL RUNOFF (CFSM)	1.47		0.840		1.20	
ANNUAL RUNOFF (INCHES)	19.94		11.44		16.27	
10 PERCENT EXCEEDS	8630		4740		7050	
50 PERCENT EXCEEDS	3010		1850		2320	
90 PERCENT EXCEEDS	1510		1200		1040	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 193
LATITUDE 321735 LONGITUDE 0840237 NAD83 DRAINAGE AREA 2920.00* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.03	2.16	3.74	2.53	5.38	6.35	2.60	2.16	0.83	2.27	1.50	0.61
2	1.96	1.95	3.64	2.49	4.43	5.62	2.71	2.76	0.86	2.42	1.16	0.60
3	1.84	1.84	3.36	2.46	4.10	5.05	2.76	3.87	0.91	2.82	0.99	0.58
4	1.79	1.85	3.07	2.43	4.11	4.67	2.68	4.89	1.00	3.39	0.81	0.50
5	1.70	1.87	3.21	2.40	4.34	4.44	2.53	4.18	1.09	3.45	0.69	0.46
6	1.63	1.94	3.27	2.39	4.54	4.31	2.40	3.30	1.17	3.19	0.58	0.80
7	1.74	1.92	3.10	2.48	5.58	4.18	2.31	2.76	1.02	2.49	0.48	2.92
8	2.29	1.95	2.84	2.62	7.61	4.07	2.37	2.30	0.96	2.04	0.39	6.49
9	3.31	2.25	2.66	2.78	8.72	3.98	2.69	1.98	0.96	1.72	0.33	9.19
10	3.29	2.38	2.58	3.00	9.15	3.85	2.91	1.76	0.95	1.73	0.47	9.78
11	3.20	2.22	2.75	3.00	9.04	3.70	2.87	1.63	0.84	1.75	0.93	9.78
12	2.87	2.03	3.27	2.88	8.58	3.54	2.62	1.57	0.54	1.55	1.37	9.31
13	2.54	1.89	3.87	2.75	8.19	3.42	2.51	1.65	0.70	1.32	2.08	7.89
14	2.34	1.79	3.97	2.62	8.90	3.32	2.56	1.92	0.97	1.17	2.07	4.78
15	2.18	1.72	3.94	2.50	9.83	3.25	2.90	1.90	1.27	1.10	1.80	3.25
16	2.05	1.67	4.00	2.41	10.18	3.21	3.13	1.76	1.55	1.03	1.78	2.86
17	1.93	1.64	4.02	2.35	10.28	3.21	3.26	1.62	1.90	0.94	1.90	4.23
18	1.86	1.64	3.83	2.42	10.32	3.23	3.11	1.51	2.25	0.89	1.71	8.08
19	1.82	2.16	3.57	2.60	9.85	3.16	2.65	1.47	2.10	0.84	1.28	10.46
20	1.77	2.59	3.29	2.79	8.25	3.06	2.34	1.53	1.98	0.76	0.95	12.91
21	1.72	3.28	3.08	2.92	6.49	2.97	2.15	1.70	1.89	0.67	0.76	14.12
22	1.69	3.99	2.86	2.93	5.59	2.90	2.02	1.68	1.86	0.59	0.72	13.73
23	1.66	4.21	2.69	2.62	5.10	2.87	1.93	1.57	1.98	0.52	0.72	12.89
24	1.61	4.18	2.69	2.33	4.80	2.81	1.84	1.41	1.89	0.45	0.72	10.48
25	1.56	3.51	2.78	2.28	4.71	2.73	1.75	1.28	2.49	0.41	0.63	5.21
26	1.58	2.88	2.92	3.22	5.51	2.66	1.69	1.24	3.56	0.54	0.56	3.61
27	1.62	2.61	2.98	6.59	6.73	2.62	1.72	1.18	3.96	1.10	0.55	3.92
28	1.71	2.55	2.98	8.99	7.45	2.58	1.80	1.08	3.47	2.57	0.57	5.78
29	1.87	2.89	2.82	9.80	7.20	2.56	1.78	0.98	2.82	2.35	0.49	6.74
30	2.03	3.54	2.65	9.08	---	2.55	1.78	0.88	2.40	1.90	0.44	7.51
31	2.22	---	2.56	7.39	---	2.56	---	0.83	---	1.76	0.52	---
MEAN	2.05	2.44	3.19	3.55	7.07	3.53	2.41	1.95	1.67	1.60	0.97	6.32
MAX	3.31	4.21	4.02	9.80	10.32	6.35	3.26	4.89	3.96	3.45	2.08	14.12
MIN	1.56	1.64	2.56	2.28	4.10	2.55	1.69	0.83	0.54	0.41	0.33	0.46

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 193
LATITUDE 321735 LONGITUDE 0840237 NAD83 DRAINAGE AREA 2920.00* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	0.00	0.00	0.00	0.00	0.00	---	0.30	0.00	0.00	0.05
2	0.00	---	0.00	0.00	0.17	0.00	0.00	---	0.02	1.05	0.00	0.05
3	0.00	---	0.01	0.00	0.01	0.00	0.00	---	0.05	0.00	0.00	0.00
4	0.00	---	0.93	0.00	0.00	0.00	0.00	---	0.02	0.00	0.00	0.00
5	0.00	---	0.00	0.18	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
6	0.07	---	0.00	0.00	0.89	0.04	0.00	---	0.00	0.08	0.00	3.56
7	1.68	---	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.16	0.00	1.40
8	0.63	---	0.00	0.08	0.00	0.00	---	0.00	0.00	0.24	0.00	0.01
9	0.00	---	0.00	0.13	0.00	0.00	---	0.00	0.02	0.00	0.00	0.00
10	0.39	---	0.30	0.00	0.01	0.00	---	0.00	0.00	0.00	2.68	0.25
11	0.05	---	0.00	0.00	0.11	0.00	---	0.00	0.01	0.00	0.01	0.00
12	0.00	---	0.00	0.00	1.29	0.00	---	1.36	0.00	0.00	0.57	0.00
13	0.00	---	0.18	0.00	0.01	0.00	---	0.00	0.99	0.12	0.00	0.17
14	0.00	---	0.18	0.00	0.78	0.00	---	0.00	0.02	0.04	0.00	0.00
15	0.00	---	0.00	0.00	0.07	0.00	---	0.00	0.55	0.00	0.00	0.01
16	0.00	---	0.00	0.00	0.00	0.05	---	0.00	0.02	0.02	0.00	1.28
17	0.08	---	0.11	0.14	0.00	0.00	0.00	0.30	0.00	0.16	0.00	0.09
18	0.00	---	0.00	0.29	0.00	0.00	0.00	1.01	0.09	0.02	0.00	0.00
19	0.00	---	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
20	0.00	---	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00
21	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.01	0.00
22	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.87	0.00
23	0.00	---	0.32	0.00	0.06	0.00	0.00	0.00	0.13	0.00	0.00	0.00
24	0.00	---	0.00	0.00	0.06	0.00	0.00	0.00	0.07	0.33	0.00	0.00
25	0.00	---	0.00	1.03	1.21	0.00	0.00	0.00	0.48	0.03	0.00	0.00
26	1.54	0.00	0.00	1.53	0.40	0.00	---	0.00	0.06	0.01	0.00	0.00
27	---	0.02	0.00	0.00	0.00	0.00	---	0.00	0.05	1.66	0.00	3.65
28	---	0.19	0.00	0.00	0.00	0.00	---	0.00	0.10	0.00	0.00	0.00
29	---	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.01	0.42	0.00
30	---	0.00	0.01	0.00	---	0.17	---	0.00	0.07	0.00	0.41	0.00
31	---	---	0.00	0.00	---	0.05	---	0.17	---	0.00	0.04	---
TOTAL	---	---	2.04	3.38	5.07	0.31	---	---	4.55	3.93	5.02	10.52

APALACHICOLA RIVER BASIN
2004 Water Year

02349685 HOGCRAWL CREEK AT GA 329, NEAR FIVE POINTS, GA

LOCATION.—Lat 32°17'36", long 83°53'31", referenced to North American Datum (NAD) of 1927, Macon County, Hydrologic Unit 03130006, located at bridge crossing on GA 329 on the Macon County-Dooly County line, 12.3 miles upstream of confluence with the Flint River.

DRAINAGE AREA.—29.6 square miles.

REMARKS.—Datum of gage is 320.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —June 1993 to May 1994; April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
12...	02349685	20040412	1245	1028	80020	6.06	4.3	10	--	752	6.7	72
MAY												
18...	02349685	20040518	1730	1028	80020	5.52	4.8	10	13	768	6.2	71

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)
APR													
12...	7.1	175	17.9	--	--	.07	--	--	.31	--	E.007	--	E.005
MAY													
18...	7.0	175	22.6	64	78	.06	2.16	.49	.50	.039	.012	.06	E.003

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR													
12...	.042	.65	--	--	--	--	--	--	--	1006	15.00	3044	1
MAY													
18...	.053	.93	.4	.4	4.3	1.1	.4	98	18	1006	15.00	3044	1

02349685 HOGCRAWL CREEK AT GA 329, NEAR FIVE POINTS, GA— continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
12...	0930	80020	7.6	47.5	913	140	960	144.7	5070	5.8	11.4	<.1	1.5

Remark codes used in this table:
E -- Estimated value
< -- Less than

APALACHICOLA RIVER BASIN
2004 Water Year

02349695 HORSEHEAD CREEK AT GA 224, NEAR MONTEZUMA, GA

LOCATION.—Lat 32°21'28", long 83°56'12", referenced to North American Datum (NAD) of 1983, Macon County, Hydrologic Unit 03130006, at culvert on GA 224, 8.7 miles northeast of Montezuma.

DRAINAGE AREA.—0.72 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 315.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.96 feet, July 6, 1994
DISCHARGE: 200 cfs, July 6, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 1.88 feet, September 7
DISCHARGE: 26.2 cfs, September 7

2004 Water Year

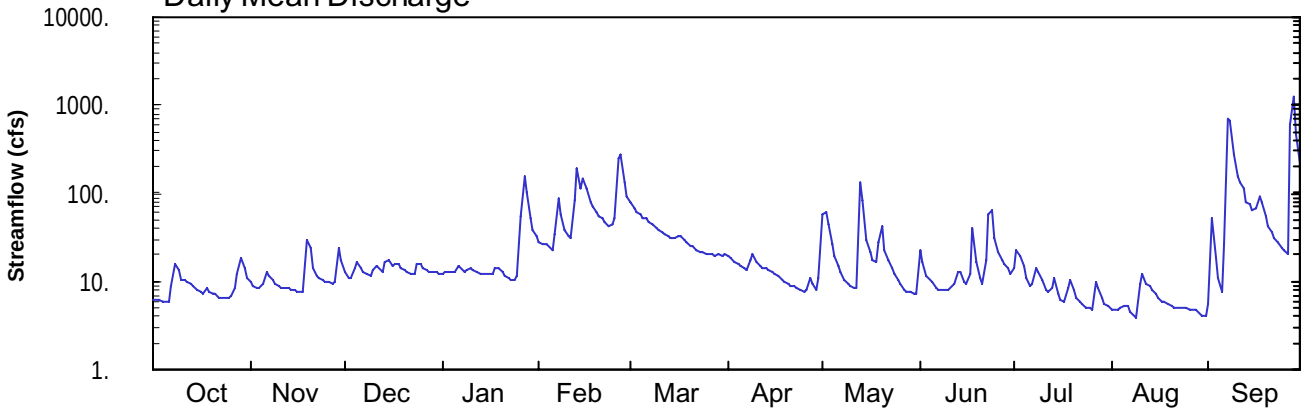
APALACHICOLA RIVER BASIN

02349900 TURKEY CREEK AT BYROMVILLE, GA

Latitude: 32°11'44" Longitude: 083°54'08" Hydrologic Unit Code: 03130006

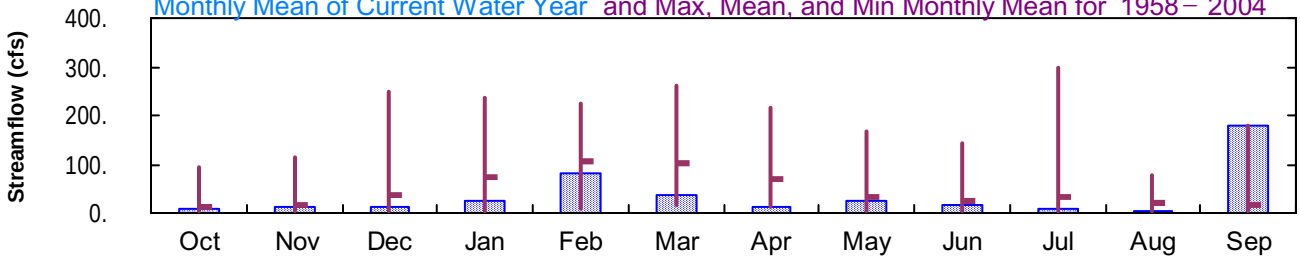
Dooly County Datum: 286.00 feet Drainage Area: 45. mi²

Daily Mean Discharge

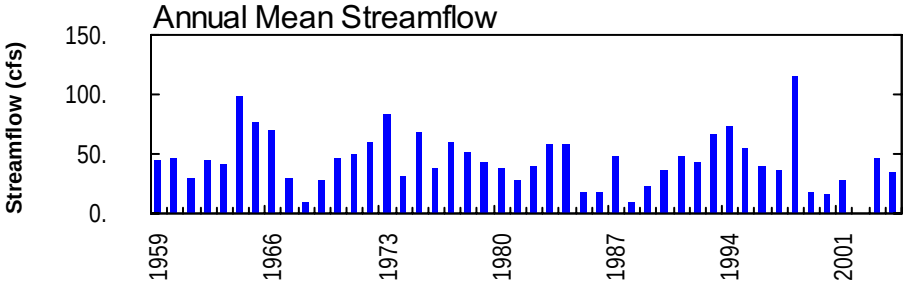


Monthly Statistics

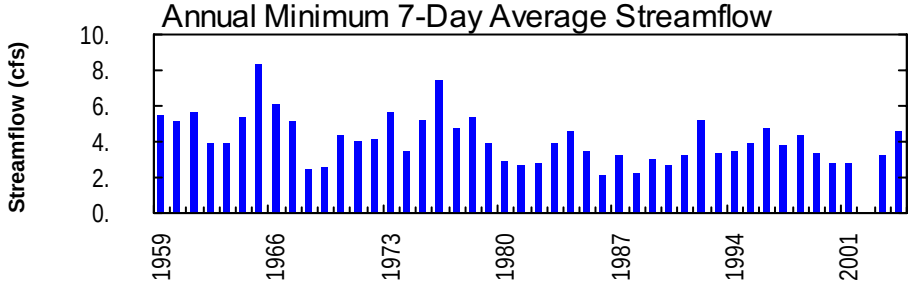
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1958 – 2004

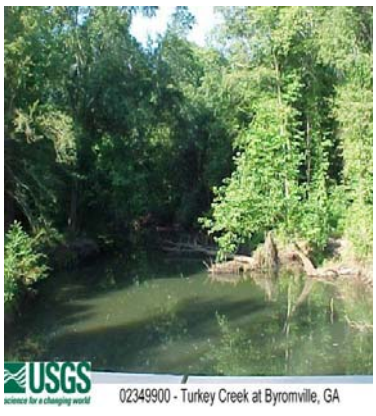


Annual Mean Streamflow

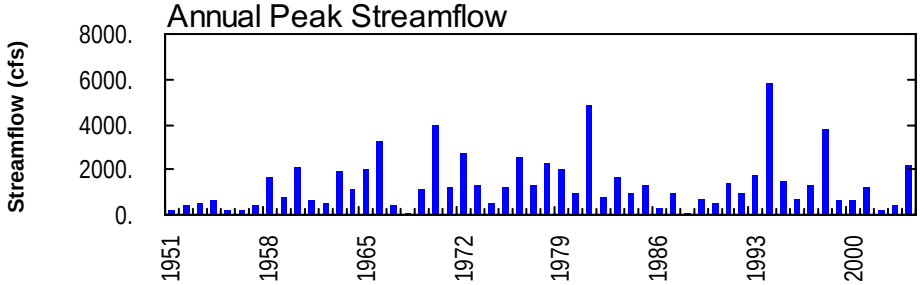


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02349900 TURKEY CREEK AT BYROMVILLE, GA

LOCATION.—Lat 32°11'44", long 83°54'08", referenced to North American Datum (NAD) of 1983, Dooly County, Hydrologic Unit 03130006, on downstream side of bridge pier on GA 90, 0.5 miles southwest of Byromville, 1.1 miles downstream from Rogers Branch, and 11.0 miles upstream from mouth.

DRAINAGE AREA.—45 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1951-58 (annual maximum), June 1958 to current year.

REVISED RECORDS.—WDR GA-90-1: 1967, 1969, WDR GA-92-1: 1968.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 286.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to June 19, 1958, a crest-stage gage was located at a site 50.00 feet upstream at same datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 400 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/26	2215	412	9.33
09/07	1815	1,170	11.06
09/27	2245	2,230*	12.21*

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1951-58 (annual maximum), June 1958 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 286.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to June 19, 1958, a crest-stage gage was located at a site 50.00 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.21 feet, September 27; minimum gage-height recorded, 4.52 feet, August 9.

02349900 TURKEY CREEK AT BYROMVILLE, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 13, 2003 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349900 TURKEY CREEK AT BYROMVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 093
LATITUDE 321144 LONGITUDE 0835408 NAD83 DRAINAGE AREA 45.00 CONTRIBUTING DRAINAGE AREA 45.00* DATUM 286.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	9.7	e13	12	29	77	20	57	23	14	4.7	5.7
2	6.2	9.0	e11	13	26	69	18	62	16	22	4.7	53
3	6.1	8.4	e11	13	27	62	17	45	12	19	4.7	19
4	6.0	8.4	14	13	25	57	16	26	11	15	5.0	11
5	5.9	9.2	16	13	22	53	15	19	10	11	5.3	7.7
6	5.8	13	14	15	34	51	14	15	8.5	9.1	5.3	26
7	9.0	11	13	14	87	48	14	12	7.9	9.1	4.6	708
8	16	10	12	13	58	44	18	10	7.9	14	4.1	672
9	14	9.2	12	13	38	40	21	9.3	8.0	13	3.9	275
10	11	8.7	13	14	33	38	17	8.7	8.0	10	9.5	155
11	11	8.4	15	14	31	36	15	8.3	8.2	8.2	12	131
12	9.9	8.4	14	13	85	34	14	8.6	9.5	7.5	9.3	114
13	9.2	8.3	13	12	194	33	14	136	13	8.4	9.1	79
14	8.7	7.9	16	12	115	32	14	82	13	11	8.2	74
15	8.0	8.1	17	12	148	31	13	29	9.9	7.2	7.2	65
16	7.5	7.7	15	12	115	32	12	21	9.4	6.2	6.4	68
17	7.1	7.6	16	12	80	32	11	18	12	6.0	5.9	92
18	8.2	7.7	15	15	72	29	10	17	39	8.4	5.8	80
19	7.7	29	14	14	62	27	10	28	16	10	5.6	56
20	7.3	24	13	13	55	26	9.4	43	11	8.0	5.2	43
21	7.1	14	13	12	52	25	9.1	22	9.4	6.4	5.1	36
22	6.7	12	12	11	47	23	8.7	17	18	5.9	5.1	31
23	6.5	11	12	11	43	21	8.6	14	58	5.4	5.1	27
24	6.4	11	16	10	45	21	8.0	12	63	5.1	5.0	24
25	6.3	10	16	11	51	21	7.6	11	31	5.0	5.0	22
26	6.7	9.6	14	55	248	20	7.9	9.1	21	4.9	4.9	21
27	8.3	9.5	13	158	280	20	11	8.2	18	9.7	4.8	593
28	12	e10	13	104	136	19	9.3	7.6	16	8.5	4.7	1230
29	18	e24	13	53	94	20	8.1	7.5	15	6.5	4.3	465
30	14	e17	13	39	---	19	11	7.2	12	5.4	4.0	229
31	11	---	12	33	---	21	---	7.0	---	5.3	4.0	---
TOTAL	273.8	341.8	424	759	2332	1081	381.7	777.5	514.7	285.2	178.5	5412.4
MEAN	8.83	11.4	13.7	24.5	80.4	34.9	12.7	25.1	17.2	9.20	5.76	180
MAX	18	29	17	158	280	77	21	136	63	22	12	1230
MIN	5.8	7.6	11	10	22	19	7.6	7.0	7.9	4.9	3.9	5.7
CFSM	0.20	0.25	0.30	0.54	1.79	0.77	0.28	0.56	0.38	0.20	0.13	4.01
IN.	0.23	0.28	0.35	0.63	1.93	0.89	0.32	0.64	0.43	0.24	0.15	4.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	11.7	18.1	38.5	72.9	104	103	67.4	32.4	26.5	33.4	19.2	14.5
MAX	95.1	115	248	235	223	260	218	166	142	297	76.3	180
(WY)	1995	1998	1998	1964	1983	1966	1998	1976	1973	1994	1969	2004
MIN	3.06	4.16	3.96	5.29	7.74	15.6	10.6	4.56	3.69	2.62	2.51	2.86
(WY)	2001	1989	1989	1989	1989	1989	1968	2002	1988	1988	2002	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	15023.6		12761.6			
ANNUAL MEAN	41.2		34.9		44.9	
HIGHEST ANNUAL MEAN					115	1998
LOWEST ANNUAL MEAN					9.36	2002
HIGHEST DAILY MEAN	406	Jun 8	1230	Sep 28	3900	Jul 6 1994
LOWEST DAILY MEAN	5.8	Sep 21	3.9	Aug 9	2.0	Oct 5 1968
ANNUAL SEVEN-DAY MINIMUM	6.1	Sep 30	4.5	Aug 25	2.1	Jul 10 1986
MAXIMUM PEAK FLOW			2230	Sep 27	5820	Jul 6 1994
MAXIMUM PEAK STAGE			12.21	Sep 27	14.29	Jul 6 1994
INSTANTANEOUS LOW FLOW			3.7	Aug 9	1.9	Oct 5 1968
ANNUAL RUNOFF (CFSM)	0.915		0.775		0.998	
ANNUAL RUNOFF (INCHES)	12.42		10.55		13.56	
10 PERCENT EXCEEDS	96		62		106	
50 PERCENT EXCEEDS	26		13		15	
90 PERCENT EXCEEDS	8.1		6.1		4.5	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349900 TURKEY CREEK AT BYROMVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 093
LATITUDE 321144 LONGITUDE 0835408 NAD83 DRAINAGE AREA 45.00 CONTRIBUTING DRAINAGE AREA 45.00* DATUM 286.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.83	5.06	---	5.19	5.89	6.89	5.45	6.44	5.50	5.21	4.61	4.62
2	4.83	5.02	---	5.24	5.81	6.73	5.38	6.58	5.31	5.52	4.61	6.32
3	4.82	4.99	---	5.24	5.84	6.60	5.32	6.20	5.08	5.43	4.61	5.40
4	4.81	4.98	5.30	5.22	5.76	6.48	5.28	5.68	5.04	5.23	4.64	5.03
5	4.81	5.04	5.42	5.23	5.68	6.41	5.25	5.41	5.00	5.04	4.67	4.85
6	4.80	5.22	5.30	5.32	5.99	6.35	5.21	5.26	4.90	4.94	4.66	5.35
7	5.01	5.16	5.24	5.29	7.11	6.27	5.19	5.13	4.86	4.94	4.60	10.01
8	5.37	5.09	5.20	5.23	6.61	6.16	5.35	5.01	4.86	5.20	4.55	10.08
9	5.27	5.03	5.18	5.26	6.16	6.07	5.48	4.95	4.87	5.14	4.54	8.71
10	5.11	5.00	5.26	5.30	6.04	6.03	5.33	4.91	4.86	5.00	4.88	7.88
11	5.12	4.98	5.36	5.28	5.97	5.96	5.24	4.89	4.88	4.88	5.10	7.65
12	5.08	4.98	5.29	5.22	6.94	5.93	5.20	4.90	4.95	4.83	4.95	7.45
13	5.04	4.98	5.23	5.20	8.21	5.88	5.21	7.17	5.15	4.89	4.94	6.98
14	5.00	4.95	5.40	5.19	7.45	5.85	5.18	6.83	5.13	5.02	4.88	6.90
15	4.96	4.96	5.46	5.20	7.82	5.83	5.14	5.76	4.99	4.81	4.81	6.76
16	4.92	4.94	5.35	5.21	7.44	5.86	5.10	5.50	4.95	4.74	4.76	6.80
17	4.90	4.93	5.37	5.21	6.93	5.85	5.07	5.37	5.03	4.72	4.72	7.19
18	4.97	4.94	5.37	5.31	6.79	5.77	5.02	5.32	6.03	4.87	4.71	7.02
19	4.93	5.88	5.31	5.31	6.59	5.72	4.99	5.66	5.31	5.01	4.69	6.58
20	4.91	5.73	5.27	5.24	6.43	5.66	4.96	6.13	5.03	4.87	4.66	6.29
21	4.89	5.30	5.23	5.17	6.37	5.63	4.94	5.55	4.95	4.75	4.65	6.11
22	4.86	5.18	5.21	5.14	6.26	5.57	4.92	5.34	5.33	4.71	4.65	5.97
23	4.85	5.14	5.21	5.12	6.16	5.51	4.91	5.21	6.51	4.68	4.65	5.85
24	4.84	5.12	5.39	5.11	6.19	5.50	4.87	5.10	6.60	4.65	4.64	5.76
25	4.84	5.08	5.40	5.16	6.34	5.49	4.84	5.02	5.82	4.64	4.64	5.69
26	4.87	5.06	5.31	6.42	8.45	5.47	4.86	4.94	5.50	4.63	4.63	5.62
27	4.98	5.05	5.26	7.91	8.71	5.46	5.06	4.88	5.36	4.94	4.62	8.53
28	5.20	---	5.23	7.30	7.69	5.44	4.95	4.84	5.28	4.90	4.62	11.03
29	5.50	---	5.22	6.52	7.16	5.46	4.88	4.83	5.22	4.76	4.58	9.48
30	5.29	---	5.22	6.18	---	5.43	5.02	4.81	5.11	4.68	4.55	8.46
31	5.14	---	5.21	6.02	---	5.49	---	4.80	---	4.67	4.55	---
MEAN	4.99	---	---	5.51	6.72	5.90	5.12	5.43	5.25	4.91	4.69	7.01
MAX	5.50	---	---	7.91	8.71	6.89	5.48	7.17	6.60	5.52	5.10	11.03
MIN	4.80	---	---	5.11	5.68	5.43	4.84	4.80	4.86	4.63	4.54	4.62

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349900 TURKEY CREEK AT BYROMVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 093
LATITUDE 321144 LONGITUDE 0835408 NAD83 DRAINAGE AREA 45.00 CONTRIBUTING DRAINAGE AREA 45.00* DATUM 286.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.00	0.01	0.00	0.00	2.00	---	0.12	0.09	2.99
2	---	---	---	0.00	0.22	0.00	0.00	0.56	0.01	1.62	0.20	0.25
3	---	---	---	0.00	0.01	0.00	0.00	0.00	0.05	0.00	0.00	0.00
4	---	---	0.52	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	---	---	0.01	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	---	---	0.00	0.00	1.05	0.04	0.00	0.00	0.00	0.19	0.00	---
7	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.16	0.00	1.47
8	---	---	0.00	0.07	0.00	0.00	0.61	0.00	0.27	0.62	0.00	0.02
9	---	---	0.00	0.15	0.00	0.01	0.00	0.00	0.08	0.00	0.00	0.00
10	---	---	0.34	0.00	0.02	0.00	0.00	0.00	0.01	0.00	2.46	0.67
11	---	---	0.00	0.00	0.19	0.00	0.00	0.00	0.79	0.00	0.06	0.01
12	---	---	0.00	0.00	1.09	0.00	0.00	0.70	1.27	0.11	0.20	0.00
13	---	---	0.21	0.00	0.01	0.00	0.18	0.00	0.55	0.00	0.00	0.28
14	---	---	0.20	0.00	0.79	0.00	0.00	0.00	0.01	1.27	0.00	0.09
15	---	---	0.00	0.00	0.06	0.00	0.00	0.00	0.06	0.00	0.00	0.01
16	---	---	0.00	0.00	0.00	0.12	0.00	0.00	0.03	0.01	0.00	0.78
17	---	---	0.13	0.05	0.00	0.00	0.00	0.07	0.21	0.05	0.26	0.04
18	---	0.63	0.00	0.21	0.00	0.00	0.00	0.14	0.00	0.67	0.00	0.00
19	---	0.81	0.00	0.01	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
20	---	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.11	0.00
21	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.03	0.00
22	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.03	0.00
23	---	0.00	0.31	0.00	0.04	0.00	0.00	0.00	1.01	0.00	0.00	0.00
24	---	0.04	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.00	0.56	1.66	0.00	0.00	0.00	0.06	0.00	0.00	0.00
26	---	0.00	0.00	1.93	0.47	0.00	0.60	0.00	0.09	0.63	0.00	0.01
27	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.16	0.13	0.00	4.20
28	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.58
29	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
30	---	---	0.01	0.00	---	0.23	1.42	0.00	0.19	0.00	0.04	0.00
31	---	---	0.00	0.00	---	0.03	---	0.38	---	0.00	0.14	---
TOTAL	---	---	---	3.29	5.70	0.43	2.82	4.88	---	5.59	3.63	---

APALACHICOLA RIVER BASIN
2004 Water Year

02349900 TURKEY CREEK AT BYROMVILLE, GA

LOCATION.—Lat 32°11'44", long 83°54'08", referenced to North American Datum (NAD) of 1983, Dooly County, Hydrologic Unit 03130006, located at bridge crossing on GA 90, 5.8 miles downstream GA 230.

DRAINAGE AREA.—45.0 square miles.

REMARKS.—Datum of gage is 286 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —July 1954 to August 1994; April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
12...	02349900	20040412	1400	1028	80020	5.20	12	10	--	753	7.0	76
MAY												
19...	02349900	20040519	1245	1028	80020	5.40	19	10	11	766	6.7	75

Date	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Partic-ulate nitro-gen, susp, water, mg/L (49570)	Ortho-phos-phate, water, fltrd, mg/L (00660)
APR													
12...	7.1	150	18.5	--	--	.09	2.40	.54	.56	.046	.014	--	--
MAY													
19...	6.9	140	20.9	46	56	.06	5.10	1.15	1.17	.046	.014	.06	.040

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheo-phytin a, phyto-plank-ton, ug/L (62360)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)
APR													
12...	E.005	.038	.86	--	--	--	--	--	--	--	1006	15.00	3044
MAY													
19...	.013	.051	1.48	.7	.7	3.1	1.2	.5	97	19	1006	15.00	3044

Date	Type of sample related QA data, code (99111)
APR	
12...	1
MAY	
19...	1

02349900 TURKEY CREEK AT BYROMVILLE, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
17...	1800	80020	10.1	146	2030	120	2170	126.2	10000	5.7	18.8	.2	1.0

Remark codes used in this table:
E -- Estimated value

2004 Water Year

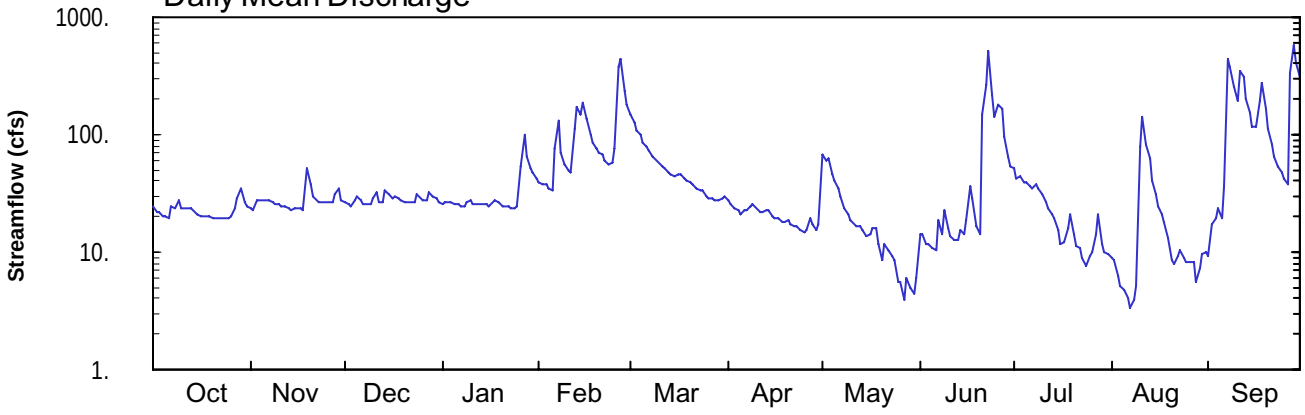
APALACHICOLA RIVER BASIN

02350080 LIME CREEK NEAR COBB, GA

Latitude: 32°02'02" Longitude: 083°59'47" Hydrologic Unit Code: 03130006

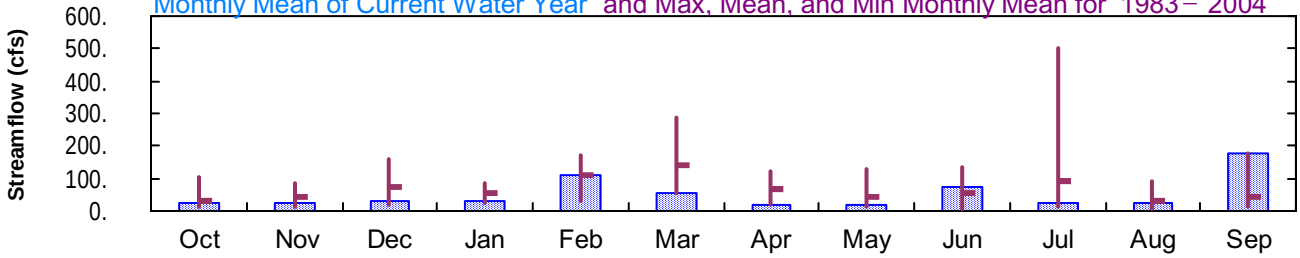
Sumter County Datum: 250.00 feet Drainage Area: 61.4 mi²

Daily Mean Discharge

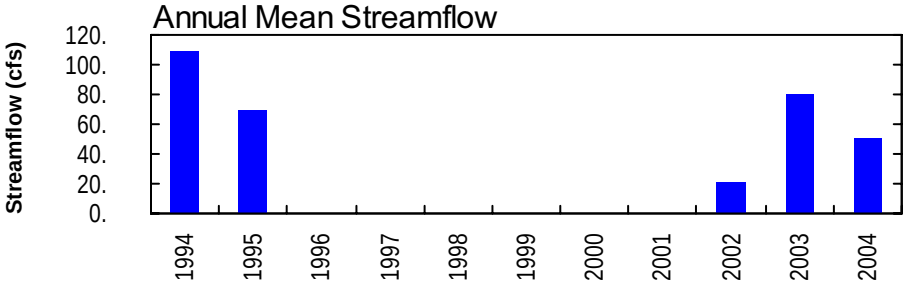


Monthly Statistics

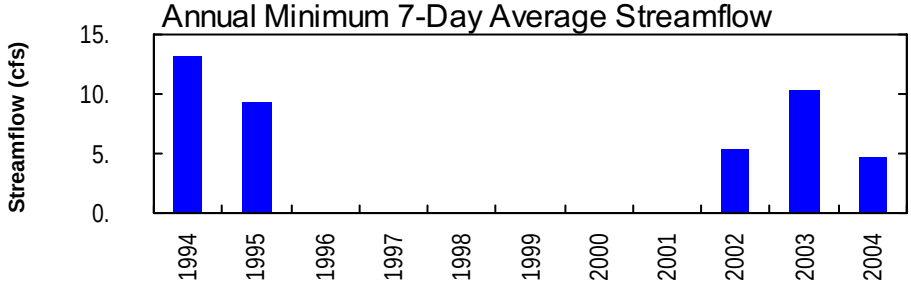
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1983 – 2004



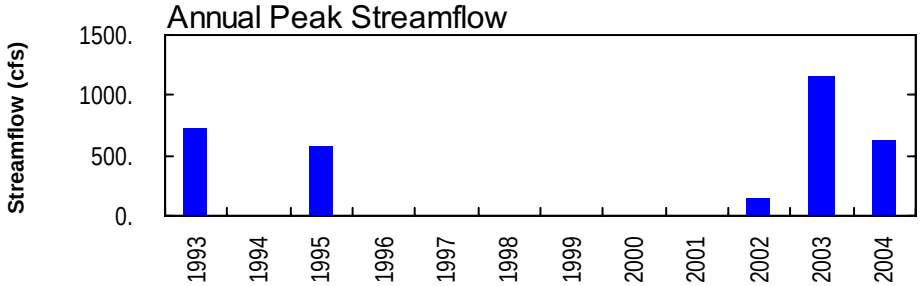
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02350080 LIME CREEK NEAR COBB, GA

LOCATION.--Lat 32°02'02", long 83°59'47", referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130006, on right side of stream, 0.4 miles upstream of bridge crossing for Spring Creek Church Road, 1.85 miles north of intersection of Spring Creek Church Road and Lower River Road, 6.85 miles north of Cobb.

DRAINAGE AREA.—61.8 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1983 to January 1984, March 1993 to February 1996, May 30, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 250.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). From April 1983 to January 1984, and from March 1993 to July 1994, a recording gage was located on bridge downstream 0.4 miles downstream.

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1983 to January 1984, March 1993 to July 1994, May 30, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 250.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). From April 1983 to January 1984, and from March 1993 to July 1994, a recording gage was located on bridge downstream 0.4 miles downstream.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.59 feet, September 27; minimum gage-height recorded, 9.12 feet, August 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 30, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350080 LIME CREEK NEAR COBB, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320202 LONGITUDE 0835947 NAD83 DRAINAGE AREA 61.4* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	23	26	26	39	149	28	69	14	51	9.0	9.4
2	22	23	25	26	37	126	26	61	14	42	8.5	17
3	22	27	25	26	38	110	24	62	12	45	6.3	20
4	20	28	28	26	35	100	23	e47	12	40	5.1	23
5	20	27	30	26	33	86	21	41	11	40	4.8	19
6	20	28	27	26	76	78	23	35	10	36	4.1	36
7	25	27	26	25	130	73	23	30	19	35	3.3	443
8	24	26	25	25	71	65	24	24	14	38	3.9	381
9	28	26	25	26	56	61	26	21	23	35	5.1	259
10	24	25	28	27	50	57	23	e19	16	31	80	191
11	24	25	32	26	48	54	22	e17	14	27	143	345
12	24	25	27	25	e111	52	22	17	13	24	82	315
13	23	24	26	25	172	48	23	16	13	21	63	205
14	22	23	33	25	150	45	23	16	15	19	42	152
15	21	23	31	25	183	44	20	13	14	15	31	118
16	20	24	29	24	136	47	19	14	18	12	25	118
17	20	23	30	26	100	46	20	16	36	12	21	195
18	20	23	29	28	85	43	18	16	29	16	18	279
19	20	51	27	27	76	41	18	12	16	21	13	167
20	20	38	27	25	71	40	18	8.6	14	14	8.5	111
21	20	29	26	24	67	38	17	12	146	11	8.1	82
22	20	27	26	24	61	35	17	10	269	11	9.2	65
23	19	26	27	24	56	34	16	9.4	505	8.8	11	54
24	19	27	32	23	58	33	15	8.7	218	7.7	8.8	47
25	19	27	29	25	77	30	15	5.5	145	9.4	8.2	43
26	20	26	27	53	382	28	15	5.7	179	9.9	8.3	38
27	23	26	27	102	442	28	20	3.9	166	14	8.3	341
28	29	32	32	64	238	28	17	6.0	96	21	5.6	570
29	e35	35	30	52	182	27	15	5.0	64	12	7.2	408
30	27	28	28	47	---	28	17	4.4	55	10	9.7	314
31	24	---	27	43	---	30	---	6.0	---	9.5	9.8	---
TOTAL	699	822	867	996	3260	1704	608	631.2	2170	698.3	670.8	5365.4
MEAN	22.5	27.4	28.0	32.1	112	55.0	20.3	20.4	72.3	22.5	21.6	179
MAX	35	51	33	102	442	149	28	69	505	51	143	570
MIN	19	23	25	23	33	27	15	3.9	10	7.7	3.3	9.4
CFSM	0.37	0.45	0.46	0.52	1.83	0.90	0.33	0.33	1.18	0.37	0.35	2.91
IN.	0.42	0.50	0.53	0.60	1.98	1.03	0.37	0.38	1.31	0.42	0.41	3.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

MEAN	30.2	40.3	71.6	52.4	107	140	66.7	41.0	53.8	94.7	31.0	40.3
MAX	105	83.7	157	83.1	172	288	124	131	137	504	91.6	179
(WY)	1995	1995	1995	1995	1994	1993	1993	2003	2003	1994	2003	2004
MIN	11.9	15.3	20.7	22.6	29.3	53.2	20.3	10.5	8.26	12.2	7.64	12.9
(WY)	2002	2002	2002	2002	2002	2002	2004	2002	2002	2002	1983	1993

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	27774		18491.7			
ANNUAL MEAN	76.1		50.5		66.1	
HIGHEST ANNUAL MEAN					110	1994
LOWEST ANNUAL MEAN					20.9	2002
HIGHEST DAILY MEAN	773	May 23	570	Sep 28	6000	Jul 6 1994
LOWEST DAILY MEAN	15	Sep 20	3.3	Aug 7	3.2	Aug 17 1983
ANNUAL SEVEN-DAY MINIMUM	18	Sep 16	4.7	Aug 3	4.6	Aug 16 1983
MAXIMUM PEAK FLOW			633	Sep 27	1150	May 22 2003
MAXIMUM PEAK STAGE			14.59	Sep 27	23.70	Jul 6 1994
INSTANTANEOUS LOW FLOW			1.9	Aug 8	1.9	Aug 8 2004
ANNUAL RUNOFF (CFSM)	1.24		0.823		1.08	
ANNUAL RUNOFF (INCHES)	16.83		11.20		14.64	
10 PERCENT EXCEEDS	166		113		140	
50 PERCENT EXCEEDS	42		26		32	
90 PERCENT EXCEEDS	24		10		11	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350080 LIME CREEK NEAR COBB, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320202 LONGITUDE 0835947 NAD83 DRAINAGE AREA 61.4* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.24	10.21	10.28	10.27	10.53	11.73	10.21	10.83	9.79	10.67	9.70	9.72
2	10.17	10.19	10.26	10.27	10.50	11.52	10.17	10.73	9.81	10.53	9.67	10.02
3	10.15	10.30	10.25	10.28	10.51	11.36	10.11	10.75	9.72	10.59	9.54	10.09
4	10.12	10.32	10.32	10.27	10.46	11.26	10.09	---	9.71	10.51	9.46	10.21
5	10.10	10.31	10.35	10.27	10.43	11.11	10.05	10.39	9.68	10.50	9.43	10.09
6	10.10	10.31	10.30	10.27	10.90	11.02	10.08	10.28	9.66	10.44	9.38	10.26
7	10.24	10.30	10.27	10.25	11.54	10.95	10.09	10.16	9.95	10.42	9.30	13.66
8	10.21	10.28	10.26	10.24	10.96	10.85	10.13	10.02	9.82	10.48	9.33	13.31
9	10.31	10.27	10.26	10.28	10.78	10.80	10.17	9.93	10.05	10.43	9.46	12.56
10	10.21	10.25	10.32	10.30	10.70	10.75	10.10	---	9.88	10.35	10.40	12.06
11	10.22	10.24	10.40	10.27	10.67	10.70	10.07	---	9.80	10.27	11.63	13.10
12	10.22	10.24	10.30	10.25	---	10.67	10.07	9.81	9.77	10.19	11.08	12.92
13	10.20	10.22	10.28	10.25	11.92	10.61	10.09	9.80	9.77	10.13	10.86	12.18
14	10.18	10.19	10.42	10.25	11.72	10.56	10.08	9.77	9.87	10.07	10.57	11.75
15	10.14	10.20	10.39	10.25	12.01	10.55	10.01	9.69	9.82	9.95	10.37	11.44
16	10.12	10.21	10.33	10.23	11.60	10.59	9.99	9.71	9.94	9.81	10.24	11.43
17	10.11	10.20	10.35	10.27	11.27	10.57	10.00	9.79	10.30	9.84	10.13	12.10
18	10.11	10.20	10.33	10.31	11.11	10.53	9.96	9.79	10.21	9.95	10.05	12.69
19	10.10	10.69	10.31	10.30	11.01	10.50	9.95	9.63	9.90	10.12	9.88	11.87
20	10.10	10.51	10.29	10.25	10.96	10.47	9.96	9.51	9.82	9.92	9.67	11.37
21	10.10	10.35	10.28	10.23	10.92	10.44	9.92	9.67	11.59	9.81	9.65	11.06
22	10.10	10.30	10.28	10.23	10.84	10.38	9.90	9.61	12.55	9.79	9.71	10.85
23	10.09	10.28	10.29	10.22	10.78	10.35	9.90	9.58	13.98	9.69	9.77	10.70
24	10.09	10.29	10.39	10.21	10.81	10.34	9.86	9.55	12.25	9.63	9.69	10.60
25	10.09	10.30	10.35	10.23	11.00	10.28	9.85	9.36	11.68	9.71	9.66	10.52
26	10.10	10.28	10.31	10.66	13.32	10.23	9.85	9.38	11.96	9.74	9.66	10.43
27	10.20	10.27	10.30	11.27	13.66	10.23	10.00	9.25	11.87	9.87	9.66	12.72
28	10.32	10.39	10.40	10.88	12.42	10.22	9.92	9.42	11.20	10.12	9.49	14.31
29	---	10.45	10.35	10.73	12.00	10.21	9.86	9.35	10.85	9.83	9.60	13.46
30	10.29	10.32	10.32	10.65	---	10.23	9.89	9.29	10.73	9.75	9.73	12.91
31	10.23	---	10.29	10.59	---	10.26	---	9.42	---	9.72	9.74	---
MEAN	---	10.30	10.32	10.36	---	10.65	10.01	---	10.53	10.09	9.89	11.68
MAX	---	10.69	10.42	11.27	---	11.73	10.21	---	13.98	10.67	11.63	14.31
MIN	---	10.19	10.25	10.21	---	10.21	9.85	---	9.66	9.63	9.30	9.72

STATION NUMBER 02350080 LIME CREEK NEAR COBB, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320202 LONGITUDE 0835947 NAD83 DRAINAGE AREA 61.4* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	0.00	---	0.00	0.00	1.22	1.57	0.02	0.00	1.05
2	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.47	0.08	0.20	0.00	0.52
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.06	0.29	0.00	0.00
4	0.00	0.02	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.03	0.00	0.00	0.00	1.30	0.09	0.00	0.00	0.00	0.00	0.00	3.90
7	0.51	0.00	---	0.00	0.00	0.00	0.00	0.00	1.72	0.08	0.00	1.51
8	---	0.00	0.00	0.06	0.00	0.00	0.17	0.00	0.00	0.30	0.00	0.04
9	0.00	0.00	0.00	---	0.18	0.00	0.00	0.00	0.18	0.00	0.00	0.00
10	0.01	0.00	0.27	---	0.01	0.00	0.00	0.00	0.00	0.00	3.25	0.84
11	0.09	0.00	0.01	---	0.24	0.00	0.00	0.00	0.00	0.00	0.19	0.02
12	0.00	0.00	---	0.00	---	0.00	0.00	0.02	0.00	0.00	0.24	0.00
13	0.00	0.00	0.20	0.00	0.01	0.00	0.20	0.00	1.48	0.00	0.01	0.20
14	0.00	0.00	0.23	0.00	0.86	---	0.00	0.00	0.08	0.04	0.01	0.00
15	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.05	0.00	0.00	0.00
16	0.00	0.00	0.01	0.00	0.00	0.10	0.00	0.21	0.72	0.04	0.00	1.30
17	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.85	0.01	0.00	0.01
18	0.00	0.79	0.00	0.16	0.00	0.00	0.00	0.14	0.00	0.28	0.00	0.00
19	0.00	0.54	---	0.00	0.00	0.00	0.18	0.04	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.08	0.00	0.00	0.00
21	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	1.63	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.00	0.46	0.00
23	0.00	0.00	0.26	---	0.09	0.00	0.00	0.00	0.51	0.00	0.00	0.00
24	0.00	0.08	0.01	0.00	0.08	0.00	0.00	0.00	0.02	0.02	0.00	0.00
25	0.00	0.00	---	0.18	1.64	0.00	0.00	0.00	0.27	0.15	0.00	0.00
26	0.22	0.00	0.00	---	---	0.00	0.34	0.00	0.65	0.02	0.00	0.04
27	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.57	0.00	4.55
28	1.07	0.66	0.00	0.00	0.00	---	0.00	0.00	0.06	0.00	0.00	0.01
29	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.15	0.00
30	0.00	---	---	0.00	---	0.14	1.41	0.00	0.00	0.01	0.04	0.00
31	0.00	---	---	0.00	---	0.07	---	0.04	---	0.00	0.09	---
TOTAL	---	---	---	---	---	---	2.30	2.34	12.62	2.03	4.47	13.99

APALACHICOLA RIVER BASIN
2004 Water Year

02350080 LIME CREEK NEAR COBB, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 32°02'02", long 83°59'47", referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130006, on right side of stream, 0.4 miles upstream of bridge crossing for Spring Creek Church Road, 1.85 miles north of intersection of Spring Creek Church Road and Lower River Road, 6.85 miles north of Cobb.

DRAINAGE AREA.—61.8 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 1992 to December 1995; February 2000 to current year.

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT													
22...	1015	1028	80020	10.10	20	40	7.5	758	8.4	88	7.3	93	17.5
NOV													
18...	1430	1028	80020	10.19	23	10	7.4	759	8.1	84	7.2	93	17.1
DEC													
16...	1100	1028	80020	10.33	29	10	3.2	767	10.0	83	7.2	113	7.6
JAN													
22...	1030	1028	80020	10.23	24	40	4.1	768	10.6	86	7.3	97	6.6
FEB													
20...	0945	1028	80020	10.96	71	10	12	761	9.8	86	7.1	96	9.5
MAR													
26...	1015	1028	80020	10.22	24	10	4.2	772	8.3	83	7.2	123	15.8
APR													
13...	1645	1028	80020	10.14	21	10	6.8	758	7.4	78	7.1	107	17.5
MAY													
19...	1030	1028	80020	9.60	7.2	10	13	768	6.8	78	7.0	94	22.5
JUN													
30...	1800	1028	80020	10.70	50	10	17	764	6.2	75	6.8	112	24.9
JUL													
21...	1000	1028	80020	9.80	11	10	13	762	6.7	79	7.1	119	23.6
AUG													
19...	1100	1028	80020	9.85	12	10	8.9	765	6.8	80	6.9	91	23.5
SEP													
14...	1530	1028	80020	11.69	145	10	12	760	6.0	71	6.6	93	23.1

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)
OCT													
22...	36	44	4.61	1.6	<.04	.27	<.008	.04	<.006	.018	.49	.3	.3
NOV													
18...	36	44	4.91	1.6	<.04	.24	<.008	.04	<.006	.020	.41	.3	.3
DEC													
16...	40	49	5.94	2.4	.05	.31	<.008	<.02	<.006	.013	.54	.2	.2
JAN													
22...	37	45	4.95	2.2	<.04	.36	<.008	<.02	<.006	.014	.47	<.1	<.1
FEB													
20...	30	37	5.81	2.6	E.04	.58	E.005	.03	<.006	.031	.80	.6	.6
MAR													
26...	48	59	5.64	2.4	E.03	.35	<.008	.03	<.006	.018	.54	.4	.4
APR													
13...	41	50	4.89	1.6	E.03	.31	E.007	.04	<.006	.022	.60	.4	.4
MAY													
19...	35	43	4.27	1.6	E.03	.38	E.004	.05	E.003	.029	.62	.7	.7
JUN													
30...	39	48	5.32	2.7	E.04	.58	E.007	.08	<.006	.039	.99	.6	.6
JUL													
21...	20	24	<.20	<.2	<.04	<.06	<.008	.03	<.006	<.004	<.03	.4	.3
AUG													
19...	33	40	4.81	.6	E.02	.26	<.008	.04	<.006	.023	.51	.5	.5
SEP													
14...	30	37	5.57	2.3	<.04	.29	E.005	.12	<.006	.047	.86	1.0	1.0

Date	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)
OCT													
22...	3.0	--	--	<.006	<.006	<.006	<.004	<.005	E.004	<.050	<.010	<.002	<.041
NOV													
18...	3.1	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
16...	2.7	--	--	<.006	<.006	<.006	<.005	<.005	E.004	<.050	<.010	<.004	E.005
JAN													
22...	2.3	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	2.8	--	--	<.006	<.006	<.006	<.005	<.005	E.004	<.050	<.010	<.004	<.041
MAR													
26...	2.7	--	--	<.006	<.006	<.006	<.005	<.005	.017	<.050	<.010	<.004	<.041
APR													
13...	2.9	--	--	<.006	E.005	<.006	<.005	<.005	.019	<.050	<.010	<.004	<.041
MAY													
19...	2.7	1.1	.3	<.006	<.006	<.006	<.005	<.005	.018	<.050	<.010	<.004	<.041
JUN													
30...	4.7	--	--	<.006	E.005	<.006	<.005	<.005	.014	<.050	<.010	<.004	<.041
JUL													
21...	2.8	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
19...	3.4	--	--	<.006	<.006	<.006	<.005	<.005	.010	<.050	<.010	<.004	<.041
SEP													
14...	6.5	--	--	--	--	--	--	--	--	--	--	--	--

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)
OCT													
22...	<.020	<.005	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009
NOV													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
16...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
JAN													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
MAR													
26...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
APR													
13...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
MAY													
19...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
JUN													
30...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
JUL													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
19...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
SEP													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)
OCT													
22...	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006	E.006	<.006	<.002	<.007	<.003
NOV													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
16...	<.013	<.024	<.016	<.003	.005	<.035	<.027	<.015	E.005	<.006	<.004	<.007	<.003
JAN													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.018	<.006	<.003	<.007	<.003
MAR													
26...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.007	<.006	<.003	<.007	<.003
APR													
13...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.007	<.006	<.003	<.007	<.003
MAY													
19...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.006	<.006	<.003	<.007	<.003
JUN													
30...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.248	<.006	<.003	<.007	<.003
JUL													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
19...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.018	<.006	<.003	<.007	<.003
SEP													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)
OCT													
22...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
NOV													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
16...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02
JAN													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.273	M	<.034	<.02
MAR													
26...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.077	E.01	<.034	<.02
APR													
13...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.021	E.01	<.034	<.02
MAY													
19...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	E.01	<.034	<.02
JUN													
30...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.034	<.02
JUL													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
19...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02
SEP													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT						
22...	<.005	<.002	<.009	92	6	.35
NOV						
18...	--	--	--	91	6	.40
DEC						
16...	<.010	<.002	<.009	95	7	.57
JAN						
22...	--	--	--	95	4	.27
FEB						
20...	<.010	<.002	<.009	98	18	3.5
MAR						
26...	<.010	<.002	<.009	90	8	.52
APR						
13...	<.010	<.002	<.009	87	10	.55
MAY						
19...	<.010	<.002	<.009	98	20	.39
JUN						
30...	<.010	<.002	<.009	84	14	1.9
JUL						
21...	--	--	--	94	12	.36
AUG						
19...	<.010	<.002	<.009	--	8	.28
SEP						
14...	--	--	--	--	15	5.9

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
18...	0930	80020	8.7	73.0	996	110	1070	114.1	10100	4.4	12.1	.6	.9

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

APALACHICOLA RIVER BASIN
2004 Water Year

02350080 LIME CREEK NEAR COBB, GA
(National Water-Quality Assessment station)

LOCATION.--Lat 32°02'02", long 83°59'47", referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130006, on right side of stream, 0.4 miles upstream of bridge crossing for Spring Creek Church Road, 1.85 miles north of intersection of Spring Creek Church Road and Lower River Road, 6.85 miles north of Cobb.

DRAINAGE AREA.—61.8 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Atlanta Regional Commission.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—1993 to present. Current water year data: May 18, 2004 (invertebrates) and December 13, 2004 (fishes).

REMARKS.— Data collection protocols used are from the Revised Protocols for Sampling Algal, Invertebrate, and Fish Communities as Part of the National Water-Quality Assessment Program (USGS, Open File Report 02-150, 2002). The Biological Group of the USGS National Water Quality Laboratory identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 150 meters. Invertebrate data abbreviations: QMH-qualitative sample, RTH-quantitative sample, sp.-species, L-larvae, A-adult, P-pupae. Fish abbreviations: sp.-species, 11A-pass 1, 11B-pass 2, TL-total length, mm-millimeters, g-grams.

Invertebrates

Sample Type	Order	Family	Scientific Name	Lifestage	Abundance
QMH			Turbellaria		1
QMH	Mesogastropoda	Viviparidae	Campeloma sp.		1
QMH	Mesogastropoda	Pleuroceridae	Elimia sp.		1
QMH	Basommatophora	Ancylidae	Laevapex fuscus (Adams)		1
QMH	Paleoheterodonta	Unionidae	Unionidae		1
QMH	Veneroida	Corbiculidae	Corbicula sp.		1
QMH	Veneroida	Sphaeriidae	Pisidium sp.		1
QMH	Lumbriculida	Lumbriculidae	Lumbriculidae		1
QMH	Arhynchobdellae	Erpobdellidae	Erpobdellidae		1
QMH	Decapoda	Cambaridae	Cambaridae		1
QMH	Ephemeroptera	Ephemeridae	Hexagenia sp.	L	1
QMH	Ephemeroptera	Ephemeridae	Hexagenia atrocaudata McDunnough	L	1
QMH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	1
QMH	Ephemeroptera	Heptageniidae	Heptageniidae	L	1
QMH	Ephemeroptera	Heptageniidae	Stenonema sp.	L	1
QMH	Ephemeroptera	Heptageniidae	Stenonema modestum (Banks)/smithae Traver	L	1
QMH	Ephemeroptera	Isonychiidae	Isonychia sp.	L	1
QMH	Odonata	Calopterygidae	Calopteryx maculata (Beauvois)	L	1
QMH	Odonata	Coenagrionidae	Coenagrionidae	L	1
QMH	Odonata	Coenagrionidae	Argia sp.	L	1
QMH	Odonata	Coenagrionidae	Enallagma sp.	L	1
QMH	Odonata	Gomphidae	Progomphus obscurus (Rambur)	L	1
QMH	Odonata	Gomphidae	Stylurus sp.	L	1
QMH	Odonata	Macromiidae	Macromiidae	L	1
QMH	Odonata	Macromiidae	Didymops transversa (Say)	L	1
QMH	Plecoptera	Perlidae	Perlesta sp.	L	1
QMH	Hemiptera	Corixidae	Sigara sp.	A	1
QMH	Hemiptera	Gerridae	Gerrinae	L	1
QMH	Hemiptera	Veliidae	Rhagovelia obesa Uhler	A	1
QMH	Megaloptera	Corydalidae	Chauliodes sp.	L	1
QMH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	1
QMH	Trichoptera	Leptoceridae	Oecetis sp.	L	1
QMH	Coleoptera	Gyrinidae	Dineutus ciliatus (Forsberg)	A	1
QMH	Coleoptera	Gyrinidae	Dineutus serrulatus LeConte	A	1
QMH	Coleoptera	Elmidae	Stenelmis sp.	A	1

02350080 LIME CREEK NEAR COBB, GA —continued.

Sample Type	Order	Family	Scientific Name	Lifestage	Abundance
QMH	Coleoptera	Elmidae	Stenelmis xylonastis Schmude and Barr	A	1
QMH	Diptera	Ceratopogonidae	Ceratopogonidae	L	1
QMH	Diptera	Ceratopogonidae	Ceratopogonidae	P	1
QMH	Diptera	Chironomidae	Chironomidae	L	1
QMH	Diptera	Chironomidae	Paratendipes sp.	L	1
QMH	Diptera	Chironomidae	Phaenopsectra sp.	L	1
QMH	Diptera	Chironomidae	Polypedilum sp.	L	1
QMH	Diptera	Chironomidae	Tribelos sp.	L	1
QMH	Diptera	Chironomidae	Micropsectra/Tanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Paratanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Stempellinella sp.	L	1
QMH	Diptera	Chironomidae	Tanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Cricotopus sp.	L	1
QMH	Diptera	Chironomidae	Thienemannimyia group sp. (Coffman and Ferrington)	1L	1
QMH	Diptera	Chironomidae	Ablabesmyia sp.	L	1
QMH	Diptera	Chironomidae	Pentaneura sp.	L	1
QMH	Diptera	Chironomidae	Procladius sp.	L	1
QMH	Diptera	Simuliidae	Simuliidae	L	1
QMH	Diptera	Tipulidae	Tipula sp.	L	1
QMH	Diptera	Tipulidae	Limoniinae	L	1
RTH	Hoplonemertea	Tetrastemmatidae	Prostoma sp.		5
RTH	Mesogastropoda	Pleuroceridae	Elimia sp.		2
RTH	Basommatophora	Ancylidae	Ancylidae		10
RTH	Tubificida	Naididae	Naididae		130
RTH			Acari		120
RTH	Decapoda	Cambaridae	Cambaridae		1
RTH	Ephemeroptera	Baetidae	Baetidae	L	24
RTH	Ephemeroptera	Baetidae	Centroptilum/Procloeon sp.	L	5
RTH	Ephemeroptera	Baetidae	Baetis sp.	L	14
RTH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	111
RTH	Ephemeroptera	Heptageniidae	Heptageniidae	L	72
RTH	Ephemeroptera	Heptageniidae	Stenonema modestum (Banks)/smithae Traver	L	6
RTH	Ephemeroptera	Isonychiidae	Isonychia sp.	L	14
RTH	Odonata	Aeshnidae	Boyeria vinosa (Say)	L	1
RTH	Plecoptera	Perlidae	Perlesta sp.	L	48
RTH	Trichoptera		Trichoptera	P	5
RTH	Trichoptera	Hydroptilidae	Hydroptila sp.	L	91
RTH	Trichoptera	Hydroptilidae	Hydroptila sp.	P	5
RTH	Trichoptera	Hydropsychidae	Hydropsychidae	L	29
RTH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	30
RTH	Trichoptera	Hydropsychidae	Hydropsyche sp.	L	14
RTH	Trichoptera	Leptoceridae	Oecetis persimilis (Banks)	L	19
RTH	Coleoptera	Elmidae	Elmidae	L	5
RTH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	A	5
RTH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	L	197
RTH	Coleoptera	Elmidae	Macronychus glabratus Say	L	24
RTH	Coleoptera	Elmidae	Stenelmis sp.	A	29
RTH	Coleoptera	Elmidae	Stenelmis sp.	L	38
RTH	Diptera	Ceratopogonidae	Ceratopogonidae	P	5
RTH	Diptera	Chironomidae	Chironomidae	P	38
RTH	Diptera	Chironomidae	Chironominae	P	48
RTH	Diptera	Chironomidae	Dicrotendipes sp.	L	10
RTH	Diptera	Chironomidae	Nilothauma sp.	L	5
RTH	Diptera	Chironomidae	Polypedilum sp.	L	149
RTH	Diptera	Chironomidae	Stelechomyia perpulchra (Mitchell)	L	43
RTH	Diptera	Chironomidae	Stenochironomus sp.	L	130
RTH	Diptera	Chironomidae	Tribelos sp.	L	5
RTH	Diptera	Chironomidae	Xestochironomus sp.	L	24
RTH	Diptera	Chironomidae	Micropsectra/Tanytarsus sp.	L	19
RTH	Diptera	Chironomidae	Rheotanytarsus sp.	L	38
RTH	Diptera	Chironomidae	Stempellinella sp.	L	53
RTH	Diptera	Chironomidae	Tanytarsus sp.	L	77
RTH	Diptera	Chironomidae	Cricotopus/Orthocladius sp.	L	34
RTH	Diptera	Chironomidae	Cricotopus sp.	L	19
RTH	Diptera	Chironomidae	Thienemannimyia group sp. (Coffman and Ferrington)	L	10
RTH	Diptera	Chironomidae	Pentaneura sp.	L	5
RTH	Diptera	Empididae	Hemerodromiinae	P	5
RTH	Diptera	Empididae	Hemerodromia sp.	L	67

Fishes

Scientific Name	Common Name	Method	Shock Sec	Count	TL(mm)	Weight (g)
Micropterus salmoides	largemouth bass	11A	1476	1	165	45
Micropterus salmoides	largemouth bass	11A	1476	1	208	101

02350080 LIME CREEK NEAR COBB, GA —continued.

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight (g)
Micropterus salmoides	largemouth bass	11A	1476	1	161	40
Micropterus salmoides	largemouth bass	11A	1476	1	98	8.2
Micropterus salmoides	largemouth bass	11A	1476	1	92	6.9
Micropterus salmoides	largemouth bass	11A	1476	1	78	4.8
Perca flavescens	yellow perch	11A	1476	1	104	8.4
Perca flavescens	yellow perch	11A	1476	1	117	12.1
Percina nigrofasciata	blackbanded darter	11A	1476	1	48	0.8
Percina nigrofasciata	blackbanded darter	11A	1476	1	59	1.8
Percina nigrofasciata	blackbanded darter	11A	1476	1	53	1.1
Percina nigrofasciata	blackbanded darter	11A	1476	1	68	1.9
Percina nigrofasciata	blackbanded darter	11A	1476	1	56	2.7
Percina nigrofasciata	blackbanded darter	11A	1476	1	60	2
Percina nigrofasciata	blackbanded darter	11A	1476	1	50	1.1
Percina nigrofasciata	blackbanded darter	11A	1476	1	50	0.6
Lepomis auritus	redbreast sunfish	11A	1476	1	185	104
Lepomis auritus	redbreast sunfish	11A	1476	1	163	73
Lepomis macrochirus	bluegill	11A	1476	1	85	8.1
Lepomis macrochirus	bluegill	11A	1476	1	80	7.2
Lepomis macrochirus	bluegill	11A	1476	1	85	8
Lepomis macrochirus	bluegill	11A	1476	1	83	8
Lepomis macrochirus	bluegill	11A	1476	1	74	4.6
Lepomis macrochirus	bluegill	11A	1476	1	66	3.7
Lepomis macrochirus	bluegill	11A	1476	1	80	7.1
Lepomis macrochirus	bluegill	11A	1476	1	92	10.2
Lepomis macrochirus	bluegill	11A	1476	1	85	7.1
Lepomis macrochirus	bluegill	11A	1476	1	48	1.7
Lepomis punctatus	spotted sunfish	11A	1476	1	80	9.7
Lepomis punctatus	spotted sunfish	11A	1476	1	83	112
Lepomis auritus	redbreast sunfish	11A	1476	1	78	69
Lepomis auritus	redbreast sunfish	11A	1476	1	104	17
Lepomis macrochirus	bluegill	11A	1476	1	144	50
Lepomis auritus	redbreast sunfish	11A	1476	1	82	7.9
Lepomis macrochirus	bluegill	11A	1476	1	86	9
Lepomis auritus	redbreast sunfish	11A	1476	1	80	7.2
Lepomis auritus	redbreast sunfish	11A	1476	1	65	4.3
Lepomis macrochirus	bluegill	11A	1476	1	83	7.7
Lepomis macrochirus	bluegill	11A	1476	1	54	2.2
Lepomis macrochirus	bluegill	11A	1476	1	75	5.3
Lepomis auritus	redbreast sunfish	11A	1476	1	95	12.3
Lepomis auritus	redbreast sunfish	11A	1476	1	62	3.6
Lepomis auritus	redbreast sunfish	11A	1476	1	54	2.2
Lepomis auritus	redbreast sunfish	11A	1476	1	70	5.3
Lepomis auritus	redbreast sunfish	11A	1476	1	61	3.1
Lepomis punctatus	spotted sunfish	11A	1476	1	66	5.7
Lepomis punctatus	spotted sunfish	11A	1476	1	75	8
Lepomis auritus	redbreast sunfish	11A	1476	1	70	4.4
Lepomis cyanellus	green sunfish	11A	1476	1	61	3.8
Lepomis punctatus	spotted sunfish	11A	1476	1	68	5.6
Lepomis auritus	redbreast sunfish	11A	1476	1	71	5.5
Lepomis cyanellus	green sunfish	11A	1476	1	68	5.4
Lepomis auritus	redbreast sunfish	11A	1476	1	35	0.8
Lepomis punctatus	spotted sunfish	11A	1476	1	70	6.6
Lepomis punctatus	spotted sunfish	11A	1476	1	53	2.6
Lepomis auritus	redbreast sunfish	11A	1476	1	54	2.5
Lepomis auritus	redbreast sunfish	11A	1476	1	60	2.8
Lepomis auritus	redbreast sunfish	11A	1476	1	62	3.6
Lepomis auritus	redbreast sunfish	11A	1476	1	40	1
Lepomis cyanellus	green sunfish	11A	1476	1	41	0.9
Lepomis punctatus	spotted sunfish	11A	1476	1	33	0.4
Lepomis cyanellus	green sunfish	11A	1476	1	49	1.7
Lepomis punctatus	spotted sunfish	11A	1476	1	35	0.5
Lepomis gulosus	warmouth	11A	1476	1	125	33
Aphredoderus sayanus	pirate perch	11A	1476	1	70	3.9
Aphredoderus sayanus	pirate perch	11A	1476	1	59	2.3
Aphredoderus sayanus	pirate perch	11A	1476	1	64	3.1
Aphredoderus sayanus	pirate perch	11A	1476	1	53	1.7
Aphredoderus sayanus	pirate perch	11A	1476	1	42	1.1
Aphredoderus sayanus	pirate perch	11A	1476	1	78	6.9
Aphredoderus sayanus	pirate perch	11A	1476	1	65	3.2
Noturus leptacanthus	speckled madtom	11A	1476	1	90	7.4
Ichthyomyzon gagei	southern brook lamprey	11A	1476	1	140	7.5
Labidesthes sicculus	brook silverside	11A	1476	1	120	5.8
Lepomis punctatus	spotted sunfish	11A	1476	1	33	0.9
Labidesthes sicculus	brook silverside	11A	1476	1	65	1.5
Labidesthes sicculus	brook silverside	11A	1476	1	54	1.1
Labidesthes sicculus	brook silverside	11A	1476	1	65	1.6
Labidesthes sicculus	brook silverside	11A	1476	1	60	1.1
Labidesthes sicculus	brook silverside	11A	1476	1	65	1.4
Labidesthes sicculus	brook silverside	11A	1476	1	55	0.9
Labidesthes sicculus	brook silverside	11A	1476	1	55	0.8
Labidesthes sicculus	brook silverside	11A	1476	1	57	0.9
Labidesthes sicculus	brook silverside	11A	1476	1	60	0.8

02350080 LIME CREEK NEAR COBB, GA —continued.

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight (g)
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	0.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	48	0.8
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	45	0.6
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	48	0.8
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	51	0.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	53	1.1
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	54	1.4
Notropis texanus	weed shiner	11A	1476	1	59	1.7
Notropis texanus	weed shiner	11A	1476	1	62	1.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	53	1
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	1
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	49	0.7
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	51	1
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	0.9
Notropis texanus	weed shiner	11A	1476	1	60	1.8
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	0.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	0.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	0.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	1
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	48	0.7
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	53	1.1
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	0.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	1
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	48	0.8
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	45	0.6
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	45	0.6
Notropis texanus	weed shiner	11A	1476	1	62	1.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	60	0.8
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	52	0.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	1
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	0.8
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	51	0.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	50	0.9
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	52	1
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	55	1.2
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	47	0.7
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	48	0.8
Opsopoeodus emiliae	pugnose minnow	11A	1476	1	45	0.8
Lepomis macrochirus	bluegill	11A	1476	1	29	0.4
Notropis winchelli	clear chub	11A	1476	1	64	1.9
Notropis winchelli	clear chub	11A	1476	1	60	1.7
Notropis winchelli	clear chub	11A	1476	1	68	2
Notropis winchelli	clear chub	11A	1476	1	64	1.7
Notropis winchelli	clear chub	11A	1476	1	60	1.8
Notropis winchelli	clear chub	11A	1476	1	55	1.4
Notropis winchelli	clear chub	11A	1476	1	57	1.2
Notropis winchelli	clear chub	11A	1476	1	62	1.7
Notropis winchelli	clear chub	11A	1476	1	66	2.5
Notropis winchelli	clear chub	11A	1476	1	58	1.4
Notropis winchelli	clear chub	11A	1476	1	56	1.3
Notropis winchelli	clear chub	11A	1476	1	58	1.4
Notropis winchelli	clear chub	11A	1476	1	68	2.3
Notropis winchelli	clear chub	11A	1476	1	59	1.5
Notropis winchelli	clear chub	11A	1476	1	60	1.4
Notropis winchelli	clear chub	11A	1476	1	60	1.6
Notropis winchelli	clear chub	11A	1476	1	58	1.2
Notropis winchelli	clear chub	11A	1476	1	55	1.1
Notropis winchelli	clear chub	11A	1476	1	60	1.2
Notropis winchelli	clear chub	11A	1476	1	60	1.3
Notropis winchelli	clear chub	11A	1476	1	60	1.5
Notropis winchelli	clear chub	11A	1476	1	60	1.4
Notropis winchelli	clear chub	11A	1476	1	60	1.2
Notropis winchelli	clear chub	11A	1476	1	55	1.2
Notropis winchelli	clear chub	11A	1476	1	62	1.5
Notropis texanus	weed shiner	11A	1476	1	49	0.8
Notropis winchelli	clear chub	11A	1476	1	55	1
Notropis texanus	weed shiner	11A	1476	1	64	2.1
Notropis winchelli	clear chub	11A	1476	1	67	2.5
Notropis winchelli	clear chub	11A	1476	1	57	1.3
Notropis winchelli	clear chub	11A	1476	1	56	1.3
Notropis winchelli	clear chub	11A	1476	1	57	1.3
Notropis winchelli	clear chub	11A	1476	1	56	1.2
Notropis winchelli	clear chub	11A	1476	1	55	1.2
Notropis winchelli	clear chub	11A	1476	1	60	1.6
Notropis winchelli	clear chub	11A	1476	1	60	1.6
Notropis winchelli	clear chub	11A	1476	1	58	1.4
Notropis winchelli	clear chub	11A	1476	1	56	1.3
Notropis winchelli	clear chub	11A	1476	1	57	1.6
Notropis winchelli	clear chub	11A	1476	1	62	1.6
Notropis winchelli	clear chub	11A	1476	1	69	2.5
Notropis winchelli	clear chub	11A	1476	1	62	1.8
Notropis winchelli	clear chub	11A	1476	1	56	1.4

02350080 LIME CREEK NEAR COBB, GA —continued.

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight (g)
Opsopoeodus emiliae	pugnose minnow	11A	1476	14		13
Etheostoma swaini	gulf darter	11A	1476	1	46	0.7
Fundulus lineolatus	lined topminnow	11A	1476	1	41	0.6
Minytrema melanops	spotted sucker	11A	1476	1	82	4.6
Notropis euryzonus	broadstripe shiner	11A	1476	1	31	0.2
Ameiurus natalis	yellow bullhead	11B	1479	1	295	403
Lepomis auritus	redbreast sunfish	11B	1479	1	60	2.9
Ichthyomyzon gagei	southern brook lamprey	11B	1479	1	125	4.2
Ichthyomyzon gagei	southern brook lamprey	11B	1479	1	100	1.8
Ichthyomyzon gagei	southern brook lamprey	11B	1479	1	120	3.3
Ichthyomyzon gagei	southern brook lamprey	11B	1479	1	100	1.2
Noturus leptacanthus	speckled madtom	11B	1479	1	90	5.9
Noturus leptacanthus	speckled madtom	11B	1479	1	78	4.3
Lepomis auritus	redbreast sunfish	11B	1479	1	66	4.6
Etheostoma swaini	gulf darter	11B	1479	1	43	0.8
Percina nigrofasciata	blackbanded darter	11B	1479	1	56	1.5
Etheostoma swaini	gulf darter	11B	1479	1	43	0.8
Percina nigrofasciata	blackbanded darter	11B	1479	1	54	1.3
Aphredoderus sayanus	pirate perch	11B	1479	1	55	2.2
Aphredoderus sayanus	pirate perch	11B	1479	1	55	2
Etheostoma swaini	gulf darter	11B	1479	1	43	0.8
Aphredoderus sayanus	pirate perch	11B	1479	1	70	5.1
Percina nigrofasciata	blackbanded darter	11B	1479	1	47	0.9
Percina nigrofasciata	blackbanded darter	11B	1479	1	44	0.7
Aphredoderus sayanus	pirate perch	11B	1479	1	85	8.2
Aphredoderus sayanus	pirate perch	11B	1479	1	80	7.1
Etheostoma swaini	gulf darter	11B	1479	1	35	0.6
Lepomis auritus	redbreast sunfish	11B	1479	1	53	2.5
Lepomis auritus	redbreast sunfish	11B	1479	1	80	7
Lepomis auritus	redbreast sunfish	11B	1479	1	70	4.6
Lepomis auritus	redbreast sunfish	11B	1479	1	52	1.8
Lepomis auritus	redbreast sunfish	11B	1479	1	45	1.1
Lepomis auritus	redbreast sunfish	11B	1479	1	57	2.8
Lepomis auritus	redbreast sunfish	11B	1479	1	50	2
Lepomis auritus	redbreast sunfish	11B	1479	1	62	3.4
Lepomis punctatus	spotted sunfish	11B	1479	1	59	4
Lepomis punctatus	spotted sunfish	11B	1479	1	48	2.1
Lepomis cyanellus	green sunfish	11B	1479	1	56	2.8
Lepomis macrochirus	bluegill	11B	1479	1	70	4.8
Lepomis auritus	redbreast sunfish	11B	1479	1	53	2.3
Lepomis cyanellus	green sunfish	11B	1479	1	66	4.8
Lepomis cyanellus	green sunfish	11B	1479	1	50	2.4
Lepomis auritus	redbreast sunfish	11B	1479	1	56	2.9
Lepomis punctatus	spotted sunfish	11B	1479	1	37	1.1
Lepomis punctatus	spotted sunfish	11B	1479	1	46	2
Lepomis punctatus	spotted sunfish	11B	1479	1	101	22.8
Lepomis auritus	redbreast sunfish	11B	1479	1	85	9.4
Lepomis auritus	redbreast sunfish	11B	1479	1	78	7
Lepomis auritus	redbreast sunfish	11B	1479	1	85	10.2
Lepomis punctatus	spotted sunfish	11B	1479	1	77	7.9
Lepomis punctatus	spotted sunfish	11B	1479	1	115	30.1
Lepomis punctatus	spotted sunfish	11B	1479	1	67	5.5
Lepomis cyanellus	green sunfish	11B	1479	1	64	3.4
Lepomis cyanellus	green sunfish	11B	1479	1	48	1.7
Lepomis macrochirus	bluegill	11B	1479	1	137	39
Lepomis macrochirus	bluegill	11B	1479	1	94	10.6
Lepomis punctatus	spotted sunfish	11B	1479	1	87	12.4
Lepomis cyanellus	green sunfish	11B	1479	1	87	9.7
Lepomis cyanellus	green sunfish	11B	1479	1	80	8.6
Lepomis punctatus	spotted sunfish	11B	1479	1	79	9.8
Lepomis punctatus	spotted sunfish	11B	1479	1	59	3
Lepomis macrochirus	bluegill	11B	1479	1	125	28
Lepomis auritus	redbreast sunfish	11B	1479	1	134	66
Lepomis macrochirus	bluegill	11B	1479	1	73	4.3
Lepomis auritus	redbreast sunfish	11B	1479	1	56	5.5
Lepomis auritus	redbreast sunfish	11B	1479	1	60	3.4
Lepomis auritus	redbreast sunfish	11B	1479	1	62	3.5
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	50	0.9
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	54	1.2
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	50	1
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	54	1.1
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	46	0.7
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	46	0.8
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	50	0.9
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	54	1
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	50	0.8
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	51	0.9
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	54	1.1
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	50	0.9
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	51	1
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	47	0.9

02350080 LIME CREEK NEAR COBB, GA —continued.

Scientific Name	Common Name	Method	Shock Seconds	Count	TL(mm)	Weight (g)
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	48	0.9
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	50	1
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	47	0.7
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	50	0.8
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	48	0.6
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	50	0.8
Opsopoeodus emiliae	pugnose minnow	11B	1479	1	48	0.8
Notropis winchelli	clear chub	11B	1479	1	60	1.6
Notropis winchelli	clear chub	11B	1479	1	59	1.6
Notropis winchelli	clear chub	11B	1479	1	55	1.2
Notropis texanus	weed shiner	11B	1479	1	35	0.3
Opsopoeodus emiliae	pugnose minnow	11B	1479	7		6.1
Notropis euryzonus	broadstripe shiner	11B	1479	1	32	0.3
Notropis euryzonus	broadstripe shiner	11B	1479	1	25	0.1

APALACHICOLA RIVER BASIN
2004 Water Year

02350360 SWIFT CREEK NEAR WARWICK, GA

LOCATION.—Lat 31°50'20", long 83°51'18", referenced to North American Datum (NAD) of 1927, Crisp County, Hydrologic Unit 03130006, located at bridge crossing on County Road 105 (Primrose Bridge Road) on the Crisp County-Worth County line, 4.4 miles downstream of GA 33.

DRAINAGE AREA.—40.0 square miles.

REMARKS.—Datum of gage is 250.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA)

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—Feb 2000 to Dec 2000; April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
13...	02350360	20040413	1500	1028	80020	5.40	14	10	--	757	8.0	85
MAY												
26...	02350360	20040526	1500	1028	80020	5.30	11	10	1.3	761	8.0	91

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
13...	7.8	252	18.2	--	--	<.04	3.66	E.005	--	<.006	.010	3.52	--
MAY													
26...	7.9	259	21.4	101	123	<.04	3.72	E.006	.03	E.004	.010	3.85	.2

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
13...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
26...	.2	.3	.5	.2	88	2	1006	15.00	3044	1

02350360 SWIFT CREEK NEAR WARWICK, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
18...	1700	80020	4.8	83.2	914	61	997	65.50	2500	9.9	19.4	1.4	1.9

Remark codes used in this table:
< -- Less than
E -- Estimated value

APALACHICOLA RIVER BASIN
2004 Water Year

02350470 CHOKEE CREEK AT NEW YORK ROAD, NEAR LEESBURG, GA

LOCATION.—Lat 31°52'43", long 83°59'34", referenced to North American Datum (NAD) of 1983, Lee County, Hydrologic Unit 03130006, located at bridge crossing on County Road 232 (New York Road), 4.0 miles upstream of confluence with the Flint River.

DRAINAGE AREA.—51.2 square miles.

REMARKS.—Datum of gage is 240.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
13...	02350470	20040413	1845	1028	80020	4.65	26	10	--	758	7.6	79
MAY												
19...	02350470	20040519	0930	1028	80020	4.23	14	10	8.1	767	7.4	83

Date	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Partic-ulate nitro-gen, susp, water, mg/L (49570)	Ortho-phos-phate, water, fltrd, mg/L (00660)
APR													
13...	7.7	267	17.0	--	--	.04	9.77	2.21	2.22	.043	.013	--	.034
MAY													
19...	7.7	274	21.0	115	140	E.03	11.8	2.66	2.67	.026	.008	.12	.052

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheo-phytin a, phyto-plank-ton, ug/L (62360)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)
APR													
13...	.011	.038	2.45	--	--	--	--	--	--	--	1006	15.00	3044
MAY													
19...	.017	.050	2.82	1.5	1.5	1.4	1.6	.4	90	17	1006	15.00	3044

Date	Type of sample related QA data, code (99111)
APR	
13...	1
MAY	
19...	10

02350470 CHOKEE CREEK AT NEW YORK ROAD, NEAR LEESBURG, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
18...	1300	80020	3.9	132	1810	56	1940	60.10	1440	9.5	28.4	1.0	2.7

Remark codes used in this table:
E -- Estimated value

APALACHICOLA RIVER BASIN
2004 Water Year

02350509 JONES CREEK NEAR OAKFIELD, GA

LOCATION.—Lat 31°45'33", long 83°58'42", referenced to North American Datum (NAD) of 1927, Worth County, Hydrologic Unit 03130006, located at bridge crossing on GA 300, 0.7 miles upstream of confluence with the Flint River.

DRAINAGE AREA.—50.5 square miles.

REMARKS.—Datum of gage is 220.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
13...	02350509	20040413	1330	1028	80020	2.67	11	10	--	757	7.4	79
MAY												
26...	02350509	20040526	1200	1028	80020	2.35	5.0	10	4.4	764	6.7	77

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
13...	7.6	219	17.9	--	--	<.04	.40	<.008	--	<.006	.016	.56	--
MAY													
26...	7.5	216	22.2	97	118	<.04	.43	<.008	.02	<.006	.015	.60	.3

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
13...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
26...	.3	4.3	.7	.3	85	6	1006	15.00	3044	1

02350509 JONES CREEK NEAR OAKFIELD, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass periphyton, ashfree drymass g/m2 (49954)	Biomass periphyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass periphyton, ash weight, DTH, g/m2 (63765)	Periphyton biomass ash weight, g/m2 (00572)	Biomass periphyton, dry weight, DTH, g/m2 (63767)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Chlorophyll a periphyton, DTH, CF meth mg/m2 (63763)	Pheophytn a periphyton, DTH, CF meth mg/m2 (63764)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
MAY													
18...	1700	80020	3.9	150	1780	50	1930	53.50	2570	12.4	35.8	.9	1.5

Remark codes used in this table:
< -- Less than

2004 Water Year

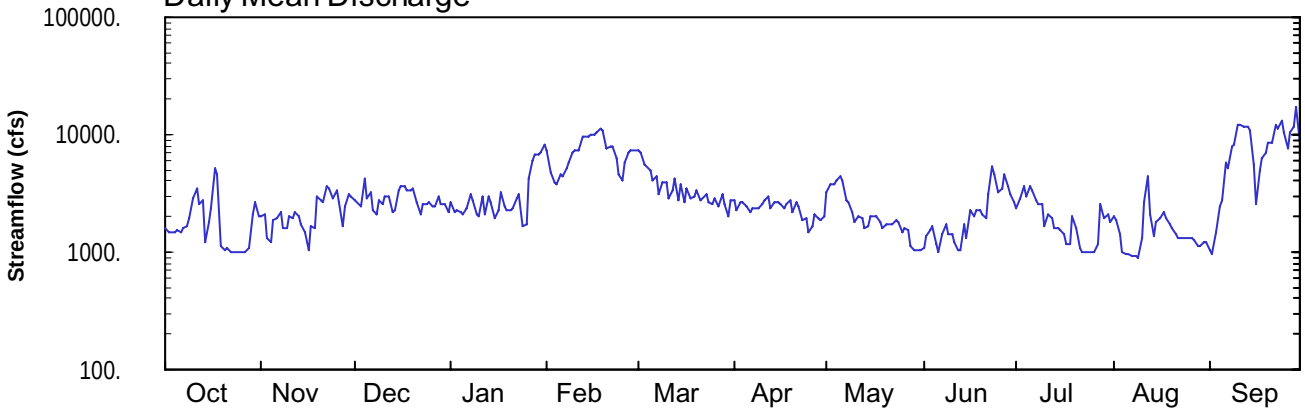
APALACHICOLA RIVER BASIN

02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA

Latitude: 31°43'30" Longitude: 084°01'07" Hydrologic Unit Code: 03130006

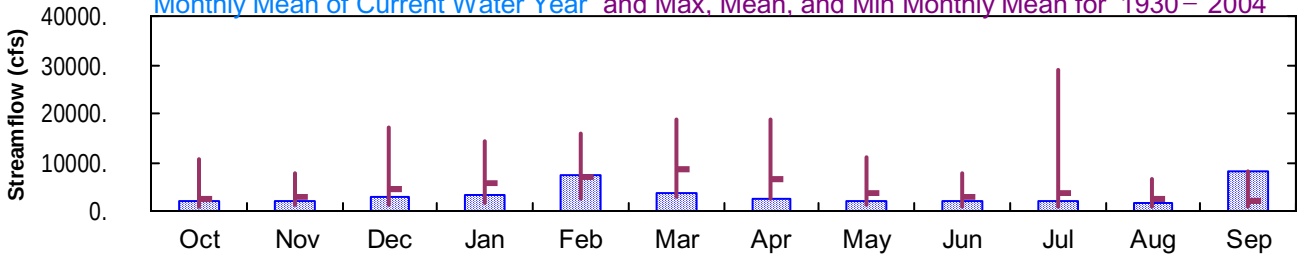
Worth County Datum: 185.87 feet Drainage Area: 3880. mi²

Daily Mean Discharge

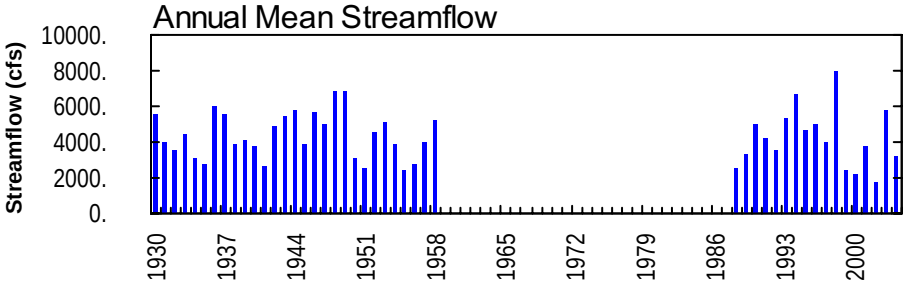


Monthly Statistics

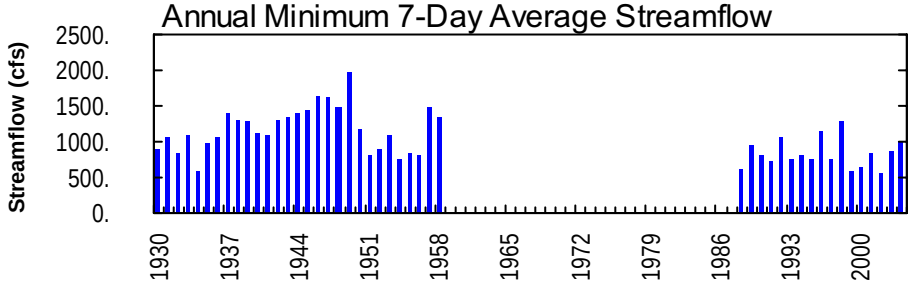
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1930 – 2004



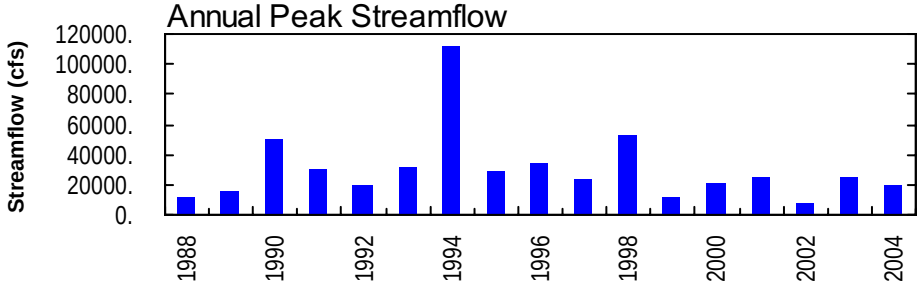
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02350512 Flint River at S.R. 32 near Oakfield, GA

APALACHICOLA RIVER BASIN
2004 Water Year

02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA

LOCATION.—Lat 31°43'30", long 84°01'07", referenced to North American Datum (NAD) of 1983, Worth-Lee County line, Hydrologic Unit 03130006, on downstream end of pier of bridge on GA 32, 5.0 miles southwest of Oakfield, 3.2 miles downstream from Jones Creek, 13.9 miles downstream from Crisp County dam site, and at river mile 120.8.

DRAINAGE AREA.—3,880 square miles, approximately.

COOPERATION.—Georgia Power Corporation; Crisp County Power Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to December 1958, May 1987 to current year. Monthly discharge only, October 1929 to January 1930 and June 1933 to October 1934 (published in WSP 1304). Prior to May 1987, published as "at Oakfield" (station 02350500).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 185.87 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From January 9, 1930 to June 23, 1933, and from October 1, 1934 to December 31, 1958, a recording gage was located at a site 4.2 miles upstream at datum 193.29 feet above sea level, supplementary adjustment of 1936.

REMARKS.—Records good, except for periods of estimated discharge. Flow regulated by power plant at Warwick Reservoir since 1930 that has a capacity of approximately 35,000 acre-ft. Normal operation of power plant does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1898, 35.1 feet, January 20, 1925, from flood marks, 90,000 cfs. Flood in March 1929 reached a stage of 34.0 feet, from flood marks, 85,000 cfs.

02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1929 to December 1958, May 1987 to current year. Monthly discharge only, October 1929 to January 1930 and June 1933 to October 1934 (published in WSP 1304). Prior to May 1987, published as "at Oakfield" (station 02350500).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 185.87 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From January 9, 1930 to June 23, 1933, and from October 1, 1934 to December 31, 1958, a recording gage was located at a site 4.2 miles upstream at datum 193.29 feet above sea level, supplementary adjustment of 1936.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.83 feet, September 29; minimum gage-height recorded, 2.65 feet, October 22-24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 321
LATITUDE 314330 LONGITUDE 0840107 NAD83 DRAINAGE AREA 3880 CONTRIBUTING DRAINAGE AREA 3880* DATUM 185.87 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1580	2020	2730	2690	7460	7310	2760	3190	1060	2360	2000	1060
2	1510	2130	2640	2210	4840	7180	2250	3710	1390	2840	1830	978
3	1480	1300	2500	2270	3970	5580	2610	3760	1560	3640	1410	1500
4	1460	1200	4270	2180	3830	5440	2620	4060	1650	2940	1000	2470
5	1520	1900	2860	2130	4660	4880	2490	4360	1190	3560	952	2710
6	1480	1960	3170	2350	4400	4070	2150	4100	1020	3400	944	5740
7	1610	2200	2270	3110	5200	4480	2360	2790	1420	2780	936	5190
8	1690	1620	2080	2810	5780	3070	2360	2640	1700	2530	927	7950
9	1940	1570	2780	2100	7000	3960	2410	2190	1430	2580	902	8350
10	2880	2040	2580	2010	7270	3930	2520	1810	1410	1690	1290	12100
11	3520	1970	2970	3000	7280	2820	2730	2040	1220	2120	2670	11900
12	2530	2220	3000	2080	9590	3320	2940	1910	1050	1970	4480	11900
13	2720	1990	2170	2970	9700	4270	2340	1600	1040	1630	2120	11600
14	1210	1730	2270	2600	9570	2780	2610	1660	1720	1600	1380	11000
15	1830	1490	3370	1950	9860	3760	2600	2040	1320	1540	1780	5530
16	2380	1030	3640	2290	9830	2630	2570	2020	2240	1410	1910	2530
17	5100	1690	3640	3170	10200	3490	2370	2000	2020	1160	2170	4960
18	4610	1570	3310	2420	11200	2850	2570	1780	2250	1190	1920	6330
19	1150	2940	3390	2310	10800	2980	2740	1580	2240	2040	1750	7090
20	1020	2770	3540	2280	7700	3350	2220	1700	2090	1590	1610	8610
21	1070	2620	2610	2380	8000	2760	2660	1760	1970	1090	1410	8530
22	1000	3610	2100	2920	7790	2840	2420	1750	3140	1010	1330	12000
23	991	3510	2580	3070	6230	3050	1900	1860	5300	999	1340	11500
24	994	2850	2590	1690	4650	2680	1910	1810	4560	991	1330	13200
25	1010	3380	2670	1750	4120	2510	1500	1460	3170	981	1320	10500
26	1010	2640	2420	4170	5790	2830	1650	1570	3480	995	1310	7670
27	1020	1680	2450	6060	7110	2420	2080	1560	4620	1150	1270	10400
28	1060	2460	2950	6800	7410	3150	1960	1110	3570	2500	1120	11700
29	2090	3050	2550	6760	7350	2600	1890	1040	3040	1960	1130	17200
30	2610	2950	2530	7060	---	2020	1990	1030	2690	2080	1200	8710
31	2020	---	2170	8270	---	2740	---	1030	---	1770	1210	---
TOTAL	58095	66090	86800	99860	208590	111750	70180	66920	66560	60096	47951	240908
MEAN	1874	2203	2800	3221	7193	3605	2339	2159	2219	1939	1547	8030
MAX	5100	3610	4270	8270	11200	7310	2940	4360	5300	3640	4480	17200
MIN	991	1030	2080	1690	3830	2020	1500	1030	1020	981	902	978
CFSM	0.48	0.57	0.72	0.83	1.85	0.93	0.60	0.56	0.57	0.50	0.40	2.07
IN.	0.56	0.63	0.83	0.96	2.00	1.07	0.67	0.64	0.64	0.58	0.46	2.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	2334	2747	4397	5769	6905	8447	6551	3867	2801	3550	2477	2086
MAX	10690	7848	17020	14120	15890	18670	18880	11000	7812	29160	6360	8030
(WY)	1930	1931	1949	1936	1998	1998	1936	1953	2003	1994	1994	2004
MIN	821	1036	1402	1705	2524	3048	2339	1189	697	688	683	797
(WY)	2002	2002	2002	1956	1989	1955	2004	2000	2000	2000	1988	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	1991737		1183800			
ANNUAL MEAN	5457		3234		4329	
HIGHEST ANNUAL MEAN					8013	1998
LOWEST ANNUAL MEAN					1750	2002
HIGHEST DAILY MEAN	24800	May 14	17200	Sep 29	109000	Jul 10 1994
LOWEST DAILY MEAN	942	Sep 17	902	Aug 9	152	Jun 8 1941
ANNUAL SEVEN-DAY MINIMUM	1010	Oct 22	993	Aug 4	567	Sep 8 2002
MAXIMUM PEAK FLOW			19400	Sep 29	112000	Jul 10 1994
MAXIMUM PEAK STAGE			14.83	Sep 29	40.10	Jul 10 1994
INSTANTANEOUS LOW FLOW			843	Aug 9	497	Sep 12 2002
ANNUAL RUNOFF (CFSM)	1.41		0.834		1.12	
ANNUAL RUNOFF (INCHES)	19.10		11.35		15.16	
10 PERCENT EXCEEDS	11500		7210		8780	
50 PERCENT EXCEEDS	4110		2440		2980	
90 PERCENT EXCEEDS	1610		1160		1100	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 321
LATITUDE 314330 LONGITUDE 0840107 NAD83 DRAINAGE AREA 3880 CONTRIBUTING DRAINAGE AREA 3880* DATUM 185.87 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.46	3.74	4.54	4.56	8.20	8.11	4.75	5.11	3.04	4.29	3.95	3.03
2	3.37	3.86	4.46	4.06	6.33	8.02	4.27	5.54	3.37	4.71	3.81	2.93
3	3.34	3.02	4.33	4.17	5.69	6.88	4.61	5.59	3.55	5.46	3.41	3.52
4	3.32	2.91	5.86	4.10	5.58	6.78	4.62	5.82	3.63	4.87	2.96	4.48
5	3.38	3.67	4.67	4.01	6.17	6.35	4.50	6.06	3.17	5.39	2.90	4.58
6	3.34	3.67	4.93	4.25	5.93	5.66	4.19	5.85	2.98	5.26	2.89	6.99
7	3.48	3.92	4.11	4.95	6.58	6.01	4.39	4.78	3.39	4.67	2.88	6.56
8	3.57	3.37	3.89	4.69	7.04	4.95	4.38	4.64	3.67	4.46	2.87	8.52
9	3.82	3.32	4.59	4.06	7.90	5.65	4.43	4.22	3.43	4.52	2.84	8.77
10	4.71	3.74	4.42	3.93	8.08	5.65	4.53	3.86	3.41	3.67	3.26	10.99
11	5.15	3.69	4.77	4.83	8.09	4.74	4.73	4.09	3.21	4.08	4.66	10.92
12	4.24	3.93	4.80	3.98	9.52	5.17	4.90	3.96	3.02	3.96	6.13	10.88
13	4.41	3.72	4.04	4.85	9.60	5.86	4.36	3.65	3.02	3.64	4.14	10.72
14	3.02	3.45	4.11	4.48	9.53	4.67	4.61	3.71	3.71	3.59	3.38	10.36
15	3.67	3.24	5.13	3.94	9.71	5.55	4.61	4.09	3.32	3.54	3.78	6.75
16	4.23	2.72	5.35	4.26	9.69	4.56	4.58	4.07	4.24	3.42	3.91	4.48
17	6.42	3.45	5.35	5.05	9.93	5.31	4.39	4.05	3.99	3.16	4.15	6.43
18	6.01	3.32	5.08	4.28	10.48	4.77	4.58	3.83	4.17	3.19	3.94	7.45
19	2.86	4.71	5.15	4.24	10.29	4.88	4.71	3.63	4.19	4.04	3.80	7.96
20	2.71	4.55	5.28	4.20	8.36	5.10	4.26	3.75	4.05	3.61	3.66	8.93
21	2.77	4.41	4.45	4.35	8.56	4.60	4.66	3.81	3.94	3.07	3.44	8.86
22	2.68	5.21	3.95	4.80	8.42	4.74	4.44	3.80	4.98	2.97	3.36	10.97
23	2.67	5.14	4.43	4.95	7.37	4.94	3.95	---	6.73	2.96	3.37	10.65
24	2.67	4.62	4.38	3.66	6.15	4.62	3.96	3.86	6.16	2.95	3.35	11.63
25	2.69	5.11	4.52	3.77	5.80	4.47	3.54	3.48	5.00	2.94	3.34	10.05
26	2.69	4.44	4.31	5.77	7.06	4.75	3.70	3.56	5.31	2.95	3.33	8.34
27	2.70	3.46	4.26	7.26	7.98	4.44	4.12	3.55	6.24	3.14	3.28	10.03
28	2.76	4.28	4.78	7.77	8.18	5.07	4.01	3.10	5.41	4.49	3.11	10.77
29	3.73	4.82	4.43	7.74	8.13	4.60	3.95	3.01	4.93	3.93	3.12	13.73
30	4.33	4.73	4.41	7.95	---	4.05	4.04	3.00	4.61	4.09	3.20	8.99
31	3.76	---	4.06	8.71	---	4.73	---	3.00	---	3.76	3.22	---
MEAN	3.61	3.94	4.61	4.96	7.94	5.34	4.36	---	4.13	3.90	3.53	8.31
MAX	6.42	5.21	5.86	8.71	10.48	8.11	4.90	---	6.73	5.46	6.13	13.73
MIN	2.67	2.72	3.89	3.66	5.58	4.05	3.54	---	2.98	2.94	2.84	2.93

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 321
LATITUDE 314330 LONGITUDE 0840107 NAD83 DRAINAGE AREA 3880 CONTRIBUTING DRAINAGE AREA 3880* DATUM 185.87 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.08	0.57	0.00	0.00	0.57
2	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.03	0.50	1.74	0.00	0.01
3	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.03	0.34	0.38	0.00	0.00
4	0.00	0.27	0.15	0.00	0.00	0.00	0.00	0.32	0.04	0.00	0.00	0.00
5	0.00	0.02	0.01	0.13	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
6	0.01	0.00	0.00	0.02	1.19	0.03	0.00	0.00	0.00	0.00	0.00	4.63
7	0.39	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.08	1.41	0.00	0.43
8	0.00	0.00	0.00	0.01	0.00	0.00	0.24	0.00	0.10	0.56	0.00	0.01
9	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
10	0.03	0.00	0.28	0.00	0.05	0.00	0.00	0.00	0.62	0.00	3.39	0.23
11	0.10	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.09	0.00	0.27	0.19
12	0.04	0.00	0.00	0.00	0.99	0.00	0.01	0.05	0.01	0.00	0.04	0.01
13	0.03	0.00	0.25	0.00	0.00	0.00	0.19	0.00	1.23	0.00	0.00	0.10
14	0.00	0.00	0.55	0.00	1.14	0.00	0.00	0.00	1.09	0.00	0.02	0.05
15	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.03	0.04	0.00	0.01
16	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.51	0.00	0.54
17	0.01	0.00	0.26	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.73	0.00	0.13	0.00	0.00	0.00	0.00	0.00	1.98	0.05	0.00
19	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.35	0.10	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.05	0.00
23	0.00	0.00	0.20	0.00	0.14	0.00	0.00	0.00	0.38	0.00	0.00	0.00
24	0.00	0.28	0.01	0.04	0.07	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	0.00	0.05	0.42	0.00	0.00	0.00	1.27	0.03	0.00	0.00
26	0.69	0.00	0.01	2.05	0.05	0.00	0.28	0.00	0.83	0.38	0.00	0.16
27	0.06	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.65	1.43	0.00	3.88
28	1.43	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.11	0.00	---	0.07	0.60	0.00	0.02	0.00	1.19	0.00
31	0.00	---	0.00	0.00	---	0.10	---	0.17	---	0.00	1.04	---
TOTAL	2.81	2.42	1.84	2.56	4.84	0.22	1.33	1.04	9.98	8.46	6.08	10.83

APALACHICOLA RIVER BASIN
2004 Water Year

02350600 KINCHAFOONEE CREEK AT PRESTON, GA

LOCATION.—Lat 32°03'09", long 84°32'54", referenced to North American Datum (NAD) of 1927, Webster County, Hydrologic Unit 03130007, at bridge on GA 41, 1.0 miles southwest of Preston, and 1.0 mile upstream from Harrell Mill Creek.

DRAINAGE AREA.—197 square miles.

COOPERATION.—Georgia Department of Transportation.

WATER-STAGE RECORDS

PERIOD OF RECORD.—1943, 1948 to 1950, 1951 to 1977 as a continuous record gaging station, 1978 to 1980, and as a continuous stage station from 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 337.70 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good. This station is published as a continuous stage station with peak instantaneous stage and discharge.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height, 12.16 feet, March 17, 1990; maximum discharge, 14,500 cfs, March 17, 1990.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 8.08 feet, January 27; maximum discharge, 2,360 cfs, January 27; minimum gage-height recorded, 0.79 feet, August 9, 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 5, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

STATION NUMBER 02350600 KINCHAFOONEE CREEK AT PRESTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 307
LATITUDE 320309 LONGITUDE 0843254 NAD83 DRAINAGE AREA 197.00 CONTRIBUTING DRAINAGE AREA 197.00* DATUM 337.70 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.50	2.11	2.85	2.65	3.79	3.87	2.70	3.89	1.31	3.42	1.31	2.31
2	1.47	2.06	2.64	2.56	3.64	3.74	2.63	4.65	1.95	4.15	1.22	3.45
3	1.46	2.02	2.51	2.55	3.72	3.63	2.57	4.54	2.47	3.06	1.10	2.87
4	1.44	2.03	2.80	2.59	3.69	3.56	2.52	3.54	2.16	3.55	1.15	2.21
5	1.44	2.33	3.45	2.61	3.49	3.50	2.47	2.77	2.25	2.77	1.27	1.85
6	1.43	2.76	3.22	2.69	3.65	3.48	2.42	2.44	1.78	2.13	1.11	1.76
7	1.49	2.60	2.81	2.68	4.51	3.47	2.41	2.21	1.53	1.92	1.00	4.97
8	1.69	2.41	2.63	2.54	4.91	3.37	2.62	2.01	1.63	2.56	0.89	7.01
9	2.22	2.29	2.55	2.58	4.20	3.25	3.12	1.86	2.17	3.31	0.82	6.27
10	2.13	2.22	2.74	2.86	3.67	3.36	2.99	1.76	2.37	2.56	2.32	5.20
11	2.98	2.12	3.24	2.76	3.56	3.14	2.65	1.86	2.08	2.11	5.07	4.21
12	3.25	2.08	3.23	2.59	4.28	3.10	2.53	2.01	1.67	1.88	5.97	3.83
13	2.74	2.06	2.82	2.51	5.16	3.10	2.76	3.85	1.54	1.67	4.53	3.53
14	2.41	1.99	2.86	2.50	5.65	3.07	3.08	3.45	1.78	1.78	3.41	3.35
15	2.23	1.91	2.99	2.56	5.12	3.06	2.79	2.51	3.26	2.46	2.70	3.24
16	2.05	1.93	2.86	2.51	5.02	3.13	2.52	2.12	3.99	1.86	2.36	4.53
17	1.93	1.99	2.81	2.52	4.46	3.21	2.37	1.92	4.06	1.87	2.23	6.83
18	1.89	2.06	2.85	3.04	4.01	3.07	2.27	1.82	3.24	2.81	2.22	6.75
19	1.87	3.10	2.71	3.62	3.82	2.96	2.18	1.75	2.44	2.47	2.05	5.50
20	1.84	3.56	2.60	3.17	3.70	2.91	2.10	1.86	2.11	2.16	1.81	4.52
21	1.78	3.06	2.51	2.80	3.64	2.89	2.06	2.48	1.83	1.72	1.79	3.87
22	1.75	2.55	2.47	2.61	3.55	2.82	2.04	2.54	2.40	1.49	1.98	3.61
23	1.71	2.36	2.50	2.57	3.44	2.72	1.97	2.11	2.69	1.33	1.97	3.44
24	1.70	2.32	2.97	2.57	3.56	2.69	1.91	1.76	2.65	1.23	1.93	3.29
25	1.68	2.37	3.31	2.61	3.95	2.72	1.83	1.57	2.65	1.35	1.76	3.18
26	1.79	2.36	2.96	4.53	4.89	2.75	1.84	1.46	2.86	1.45	1.59	3.09
27	2.78	2.31	2.71	6.90	5.29	2.72	2.53	1.33	2.83	2.07	1.47	3.52
28	2.75	3.19	2.62	6.48	5.00	2.70	2.55	1.27	2.46	2.54	1.41	4.62
29	2.65	3.93	2.57	5.31	4.20	2.69	2.13	1.23	2.60	2.04	1.38	5.16
30	2.44	3.54	2.65	4.46	---	2.70	2.14	1.16	2.42	1.74	1.36	4.50
31	2.22	---	2.75	4.03	---	2.73	---	1.16	---	1.52	1.34	---
MEAN	2.02	2.45	2.81	3.19	4.19	3.10	2.42	2.29	2.37	2.23	2.02	4.08
MAX	3.25	3.93	3.45	6.90	5.65	3.87	3.12	4.65	4.06	4.15	5.97	7.01
MIN	1.43	1.91	2.47	2.50	3.44	2.69	1.83	1.16	1.31	1.23	0.82	1.76

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350600 KINCHAFOONEE CREEK AT PRESTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 307
LATITUDE 320309 LONGITUDE 0843254 NAD83 DRAINAGE AREA 197.00 CONTRIBUTING DRAINAGE AREA 197.00* DATUM 337.70 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.29	0.00	0.00	0.09
2	0.00	0.00	0.01	0.00	0.14	0.00	0.00	0.92	0.88	0.54	0.00	0.01
3	0.00	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.05	0.00	0.00	0.00
4	0.00	0.25	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.50	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.05	0.00	0.00	0.02	1.01	0.03	0.00	0.00	0.00	0.00	0.00	2.84
7	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.31	0.00	2.63
8	0.38	0.00	0.00	0.06	0.00	0.00	0.55	0.00	0.00	0.25	0.00	0.05
9	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.66	0.00	0.51	0.00	0.02	0.00	0.00	0.00	0.00	0.00	5.31	0.15
11	0.25	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.15	0.93
12	0.00	0.00	0.00	0.00	1.16	0.00	0.05	0.39	0.00	0.00	0.26	0.01
13	0.00	0.00	0.19	0.00	0.03	0.00	0.35	0.00	0.36	0.00	0.00	0.04
14	0.00	0.00	0.21	0.00	0.96	0.00	0.00	0.00	0.87	0.01	0.00	0.01
15	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	1.14	0.00	0.00	0.05
16	0.00	0.00	0.06	0.00	0.00	0.11	0.00	0.00	0.00	0.50	0.00	5.53
17	0.00	0.00	0.11	0.27	0.00	0.00	0.00	0.00	1.45	0.22	0.00	0.00
18	0.00	0.85	0.00	0.35	0.00	0.00	0.00	0.15	0.01	0.07	0.00	0.00
19	0.00	0.52	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.37	0.00	0.20	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.03	0.00
23	0.00	0.00	0.61	0.00	0.16	0.00	0.00	0.00	0.45	0.00	0.00	0.00
24	0.00	0.10	0.00	0.04	0.13	0.00	0.00	0.00	0.33	0.00	0.00	0.00
25	0.00	0.00	0.00	1.23	1.61	0.00	0.00	0.00	0.31	0.00	0.00	0.00
26	0.59	0.00	0.01	1.92	0.46	0.00	0.40	0.00	0.29	0.80	0.00	0.00
27	0.00	0.10	0.00	0.00	0.01	0.00	0.00	0.00	0.09	1.13	0.00	1.98
28	0.55	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.02
29	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
30	0.00	0.00	0.06	0.00	---	0.08	1.50	0.00	0.13	0.00	0.03	0.00
31	0.00	---	0.01	0.00	---	0.01	---	0.32	---	0.00	0.14	---
TOTAL	2.50	2.96	2.40	4.17	5.96	0.23	2.85	3.08	7.79	3.83	6.12	14.34

02350685 CHOCTAHATCHEE CREEK TRIBUTARY AT US 280, NEAR PLAINS, GA

LOCATION.—Lat 32°02'03", long 84°26'01", referenced to North American Datum (NAD) of 1983, Sumter County, Hydrologic Unit 03130007, at culvert on US 280, 2.4 miles west of Plains.

DRAINAGE AREA.—0.32 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 440.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.25 feet, July 6, 1994
DISCHARGE: 625 cfs, July 6, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 1.11 feet, September 7
DISCHARGE: 6.60 cfs, September 7

APALACHICOLA RIVER BASIN
2004 Water Year

02350798 BEAR CREEK AT CR 124, NEAR PARROTT, GA

LOCATION.—Lat 31°56'39", long 84°29'38", referenced to North American Datum (NAD) of 1927, Webster County, Hydrologic Unit 03130007, located at bridge crossing on County Road 124, 4.7 miles upstream of GA 45.

DRAINAGE AREA.—48.1 square miles.

REMARKS.—Datum of gage is 360.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
12...	02350798	20040412	1730	1028	80020	3.71	20	10	--	750	7.9	87
MAY												
20...	02350798	20040520	1010	1028	80020	3.35	12	40	13	759	7.5	85

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
12...	6.6	49	19.2	--	--	.06	.61	<.008	--	<.006	.019	.96	--
MAY													
20...	6.8	52	21.6	11.0	13	.08	1.11	E.007	.06	E.003	.020	1.61	.8

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
12...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
20...	.8	5.6	1.0	.7	98	12	1006	15.00	3045	1

02350798 BEAR CREEK AT CR 124, NEAR PARROTT, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
20...	1600	80020	4.7	72.0	1120	100	1190	109.0	1920	3.3	10.4	.3	2.5

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

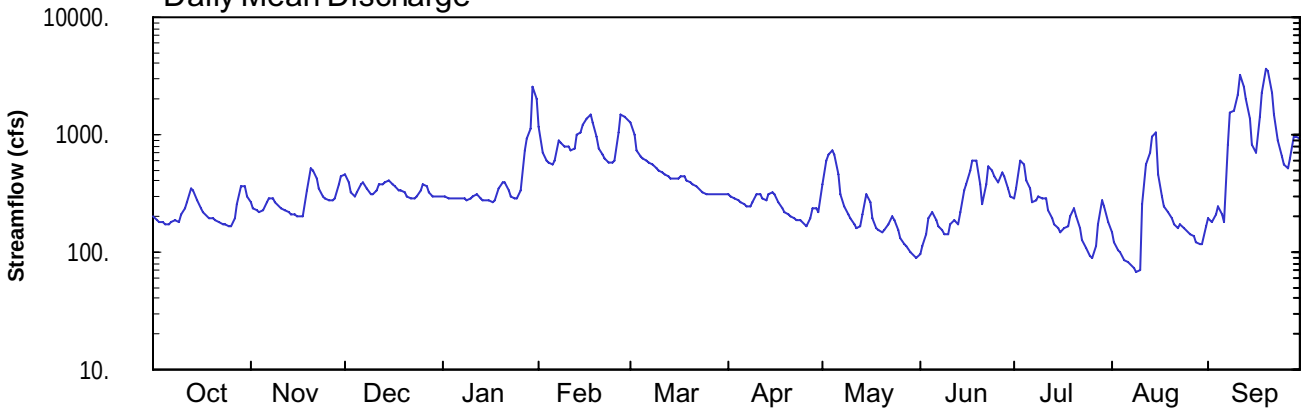
APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA

Latitude: 31°45'52" Longitude: 084°15'12" Hydrologic Unit Code: 03130007

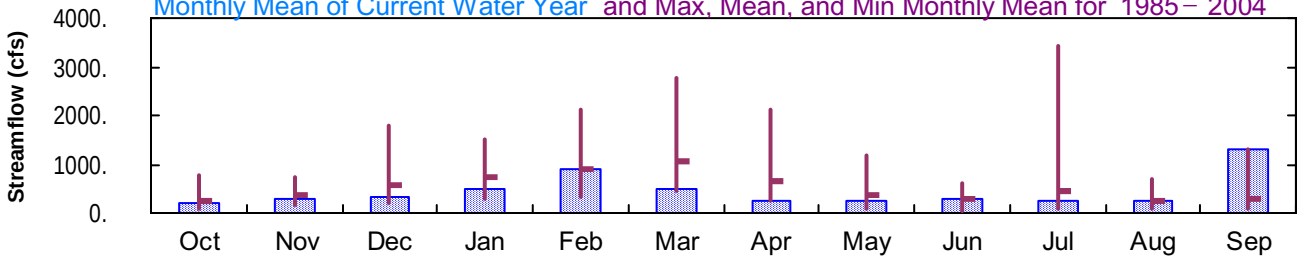
Lee County Datum: 211.74 feet Drainage Area: 527. mi²

Daily Mean Discharge

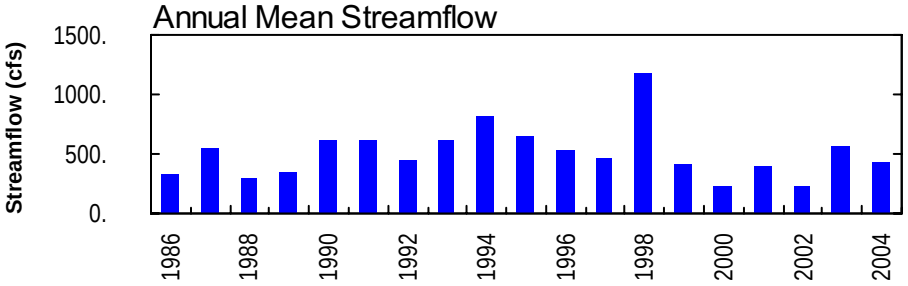


Monthly Statistics

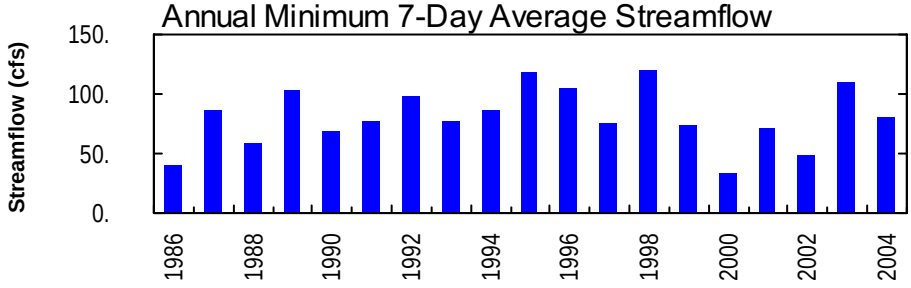
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1985 – 2004



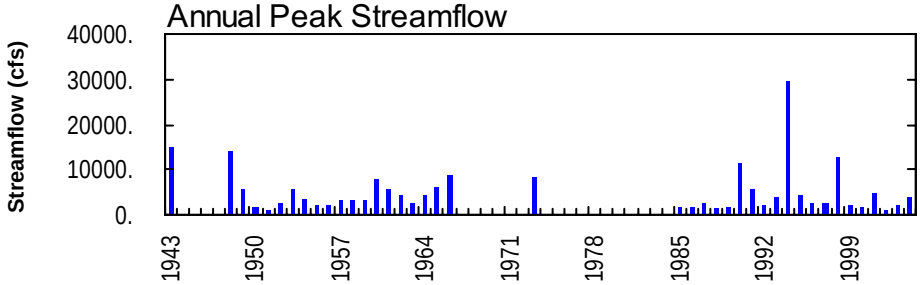
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA

LOCATION.—Lat 31°45'52", long 84°15'12", referenced to North American Datum (NAD) of 1927, Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on Pinewood Road, 3.6 miles west of US 19, 12.4 miles east of Dawson, and 5.2 miles northwest of Leesburg.

DRAINAGE AREA.—527 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1949-65 (annual maximum), March 1985 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 211.74 feet above National Geodetic Vertical Datum (NGVD) of 1929 (Georgia State Highway Commission benchmark). From April 6, 1949 to September 30, 1965, a crest-stage gage was located at a site 1,500 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in 1943 or 1944 is believed to have reached an elevation of about 23 feet from information by local resident. Maximum stage of 20.46 feet was reached March 5, 1966.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
01/30	1530	2,920	12.97
09/11	0545	3,490	13.98
09/19	2345	4,030*	14.65*

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1949-65 (annual maximum), March 1985 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 211.74 feet above sea level (Georgia State Highway Commission benchmark). From April 6, 1949 to September 30, 1965, a crest-stage gage was located at a site 1,500 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.65 feet, September 19, 20; minimum gage-height recorded, 2.29 feet, August 10.

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 14, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314552 LONGITUDE 0841512 NAD83 DRAINAGE AREA 527.00 CONTRIBUTING DRAINAGE AREA 527.00* DATUM 211.74 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	262	450	298	1150	1250	308	374	95	287	148	195
2	184	238	395	294	714	995	297	610	111	351	119	182
3	179	225	324	287	609	734	285	676	143	590	106	210
4	176	219	301	283	569	659	274	723	193	565	99	249
5	174	223	321	285	555	620	264	689	216	411	86	207
6	173	270	374	288	591	597	256	453	184	354	83	179
7	182	283	390	289	888	579	250	309	165	261	79	811
8	188	287	352	285	844	552	248	249	153	274	72	1530
9	183	265	314	281	789	520	268	213	144	300	68	1600
10	210	245	306	291	784	492	309	191	143	285	71	2160
11	238	233	337	303	741	478	316	173	170	289	259	3220
12	268	226	372	307	761	463	288	160	184	225	568	2590
13	343	220	376	291	1020	441	272	168	171	192	704	2040
14	329	213	388	279	1050	429	305	206	222	176	965	1380
15	275	207	410	273	1200	422	322	312	338	157	1050	812
16	239	202	381	271	1370	424	304	262	383	146	463	710
17	219	202	357	270	1470	439	263	191	486	161	298	1450
18	206	206	340	276	1240	440	238	163	599	167	245	2290
19	198	340	331	345	975	415	221	153	605	199	216	3650
20	193	525	320	389	760	389	209	150	380	235	197	3540
21	187	487	302	386	669	371	199	152	257	203	174	2280
22	180	431	289	338	618	356	194	169	377	161	160	1470
23	175	350	282	302	583	338	190	205	534	127	170	882
24	170	301	294	285	575	324	183	185	494	108	162	640
25	166	285	338	287	606	314	173	152	434	94	151	560
26	168	278	371	336	1020	310	169	130	395	89	144	514
27	191	271	362	718	1510	312	192	115	469	112	136	628
28	255	281	326	938	1440	312	240	111	444	173	124	948
29	364	370	303	1120	1350	308	237	101	345	279	117	976
30	365	437	294	2510	---	307	221	94	293	246	116	909
31	304	---	294	2010	---	313	---	90	---	180	168	---
TOTAL	6881	8582	10594	15115	26451	14903	7495	7929	9127	7397	7518	38812
MEAN	222	286	342	488	912	481	250	256	304	239	243	1294
MAX	365	525	450	2510	1510	1250	322	723	605	590	1050	3650
MIN	166	202	282	270	555	307	169	90	95	89	68	179
CFSM	0.42	0.54	0.65	0.93	1.73	0.91	0.47	0.49	0.58	0.45	0.46	2.45
IN.	0.49	0.61	0.75	1.07	1.87	1.05	0.53	0.56	0.64	0.52	0.53	2.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	253	378	573	736	903	1048	646	381	294	439	226	275
MAX	773	755	1811	1502	2107	2763	2119	1176	609	3413	675	1294
(WY)	1995	1998	1998	1990	1998	1998	1998	1991	2003	1994	1994	2004
MIN	91.4	160	208	277	315	430	250	94.7	47.1	62.4	66.2	73.9
(WY)	2002	1991	1989	1989	2001	2000	2004	2000	2000	1986	2000	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	193327		160804			
ANNUAL MEAN	530		439		513	
HIGHEST ANNUAL MEAN					1177	1998
LOWEST ANNUAL MEAN					233	2000
HIGHEST DAILY MEAN	1980	Apr 12	3650	Sep 19	25000	Jul 7 1994
LOWEST DAILY MEAN	163	Sep 21	68	Aug 9	28	Jun 17 2000
ANNUAL SEVEN-DAY MINIMUM	177	Oct 21	80	Aug 4	33	Jun 13 2000
MAXIMUM PEAK FLOW			4030	Sep 19	29500	Jul 7 1994
MAXIMUM PEAK STAGE			14.65	Sep 19	26.56	Jul 7 1994
INSTANTANEOUS LOW FLOW			60	Aug 10	27	Jun 17 2000
ANNUAL RUNOFF (CFSM)	1.01		0.834		0.974	
ANNUAL RUNOFF (INCHES)	13.65		11.35		13.23	
10 PERCENT EXCEEDS	980		894		1090	
50 PERCENT EXCEEDS	406		292		329	
90 PERCENT EXCEEDS	219		153		104	

STATION NUMBER 02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314552 LONGITUDE 0841512 NAD83 DRAINAGE AREA 527.00 CONTRIBUTING DRAINAGE AREA 527.00* DATUM 211.74 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.45	3.89	5.05	4.12	8.08	8.48	4.13	4.59	2.63	4.05	3.06	3.42
2	3.34	3.73	4.72	4.10	6.20	7.50	4.07	5.98	2.77	4.46	2.84	3.33
3	3.30	3.64	4.29	4.05	5.65	6.34	4.00	6.32	3.02	5.88	2.73	3.53
4	3.29	3.59	4.14	4.03	5.44	5.95	3.93	6.56	3.41	5.74	2.67	3.80
5	3.26	3.62	4.27	4.04	5.37	5.76	3.87	6.39	3.57	4.82	2.54	3.50
6	3.26	3.94	4.61	4.06	5.56	5.63	3.82	5.07	3.34	4.48	2.51	3.31
7	3.33	4.03	4.70	4.06	7.04	5.54	3.78	4.20	3.20	3.88	2.48	6.72
8	3.37	4.06	4.47	4.04	6.85	5.40	3.77	3.80	3.10	3.97	2.41	9.53
9	3.33	3.91	4.23	4.01	6.59	5.24	3.90	3.55	3.03	4.14	2.37	9.75
10	3.53	3.78	4.18	4.08	6.56	5.09	4.16	3.39	3.03	4.04	2.40	11.19
11	3.72	3.69	4.37	4.16	6.34	5.02	4.20	3.26	3.24	4.07	3.82	13.52
12	3.93	3.65	4.59	4.18	6.42	4.94	4.04	3.16	3.34	3.64	5.75	12.30
13	4.41	3.60	4.62	4.08	7.59	4.82	3.93	3.22	3.25	3.40	6.46	11.00
14	4.33	3.55	4.69	4.00	7.73	4.76	4.15	3.50	3.60	3.28	7.59	9.03
15	3.97	3.51	4.82	3.96	8.30	4.73	4.25	4.21	4.38	3.14	7.90	6.95
16	3.74	3.47	4.64	3.95	8.90	4.75	4.15	3.89	4.65	3.05	5.12	6.47
17	3.59	3.47	4.50	3.94	9.25	4.83	3.88	3.39	5.27	3.17	4.13	9.25
18	3.50	3.50	4.39	3.98	8.44	4.84	3.72	3.18	5.93	3.22	3.77	11.59
19	3.44	4.37	4.34	4.42	7.41	4.71	3.60	3.10	5.95	3.45	3.57	14.15
20	3.40	5.50	4.27	4.69	6.44	4.57	3.52	3.08	4.63	3.70	3.43	13.98
21	3.36	5.27	4.15	4.68	5.97	4.48	3.45	3.10	3.85	3.48	3.27	11.57
22	3.32	4.94	4.07	4.38	5.70	4.40	3.42	3.23	4.60	3.17	3.16	9.34
23	3.27	4.46	4.02	4.15	5.51	4.30	3.38	3.49	5.55	2.90	3.23	7.24
24	3.24	4.15	4.10	4.04	5.47	4.21	3.34	3.35	5.32	2.74	3.17	6.14
25	3.21	4.04	4.38	4.06	5.63	4.16	3.26	3.10	4.96	2.62	3.09	5.71
26	3.22	3.99	4.58	4.35	7.56	4.14	3.23	2.92	4.73	2.57	3.03	5.44
27	3.39	3.95	4.53	6.44	9.36	4.15	3.40	2.81	5.17	2.78	2.97	6.04
28	3.84	4.02	4.31	7.37	9.15	4.15	3.74	2.78	5.02	3.25	2.88	7.53
29	4.54	4.58	4.16	8.02	8.82	4.13	3.72	2.69	4.42	4.00	2.82	7.64
30	4.55	4.97	4.10	12.06	---	4.12	3.61	2.62	4.09	3.78	2.82	7.37
31	4.16	---	4.10	10.84	---	4.16	---	2.58	---	3.31	3.21	---
MEAN	3.60	4.03	4.40	4.91	7.01	5.01	3.78	3.76	4.10	3.68	3.59	8.01
MAX	4.55	5.50	5.05	12.06	9.36	8.48	4.25	6.56	5.95	5.88	7.90	14.15
MIN	3.21	3.47	4.02	3.94	5.37	4.12	3.23	2.58	2.63	2.57	2.37	3.31

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314552 LONGITUDE 0841512 NAD83 DRAINAGE AREA 527.00 CONTRIBUTING DRAINAGE AREA 527.00* DATUM 211.74 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.47	1.42	0.24	0.67	0.02
2	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.73	0.46	0.26	0.00	0.41
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00
4	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.16	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.01	0.01	0.00	0.00	1.68	0.05	0.00	0.00	0.00	0.00	0.00	4.90
7	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.65	0.00	1.24
8	0.00	0.00	0.00	0.01	0.00	0.00	0.19	0.00	0.02	0.40	0.00	0.00
9	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.04	0.00	0.51	0.00	0.06	0.00	0.30	0.00	0.00	0.00	1.98	1.94
11	0.06	0.00	0.00	0.00	0.30	0.00	0.00	0.20	0.00	0.00	0.51	0.02
12	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00	0.00	0.07	0.00
13	0.00	0.00	0.41	0.00	0.01	0.00	0.20	0.00	1.11	0.00	0.00	0.08
14	0.00	0.00	0.22	0.00	0.80	0.00	0.00	0.00	0.52	0.00	0.00	0.06
15	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.14	0.00	0.00	0.03
16	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.00	1.94
17	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	2.24	0.05	0.00	0.00
18	0.00	0.82	0.00	0.13	0.00	0.00	0.00	0.00	0.06	0.30	0.00	0.00
19	0.00	0.63	0.00	0.02	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.44	0.75	0.00	0.24	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
23	0.00	0.00	0.22	0.00	0.13	0.00	0.00	0.00	0.21	0.00	0.00	0.00
24	0.00	0.12	0.01	0.07	0.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	0.04	0.92	0.00	0.00	0.00	0.99	0.00	0.00	0.00
26	0.33	0.00	0.00	1.10	0.18	0.00	0.27	0.00	0.49	0.36	0.00	0.09
27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.72	0.00	2.76
28	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
30	0.00	0.00	0.07	0.00	---	0.07	2.66	0.00	0.06	0.00	0.35	0.00
31	0.00	---	0.00	0.00	---	0.07	---	0.03	---	0.00	0.01	---
TOTAL	2.15	2.49	1.64	1.67	5.71	0.19	3.82	2.27	9.87	3.13	3.83	13.49

2004 Water Year

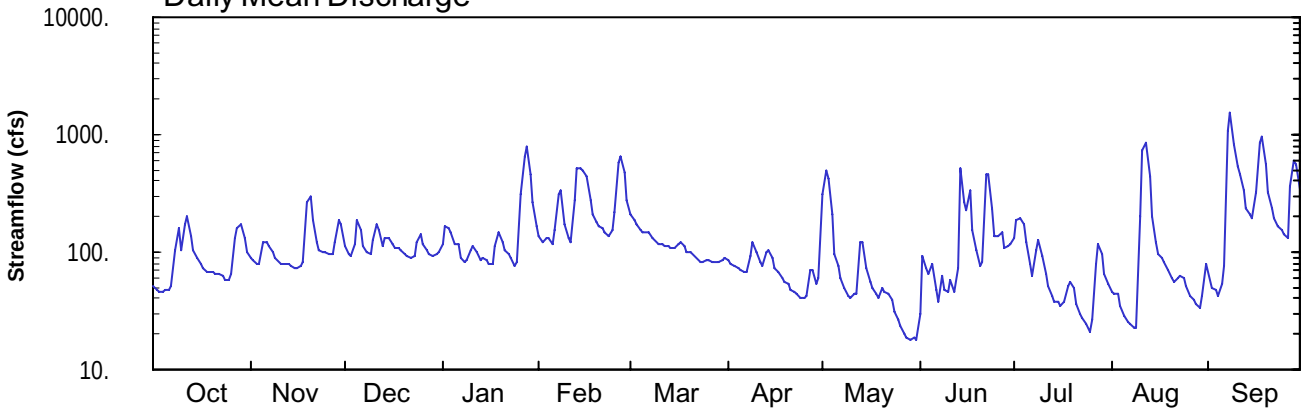
APALACHICOLA RIVER BASIN

02351500 MUCKALEE CREEK NEAR AMERICUS, GA

Latitude: 32°04'59" Longitude: 084°15'29" Hydrologic Unit Code: 03130007

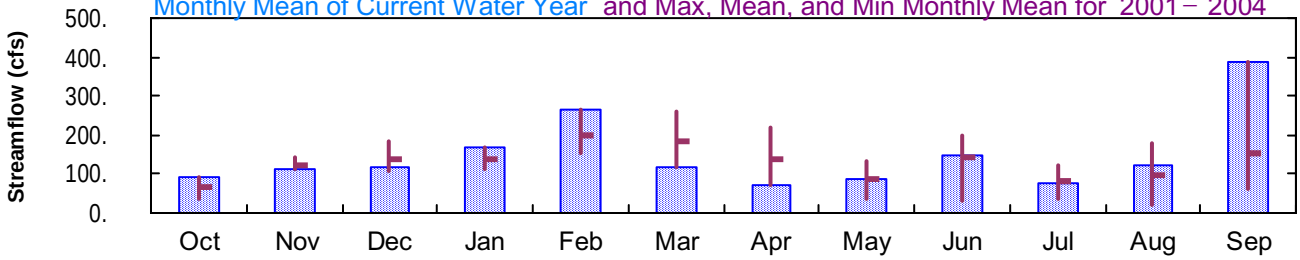
Sumter County Datum: 321.09 feet Drainage Area: 140. mi²

Daily Mean Discharge

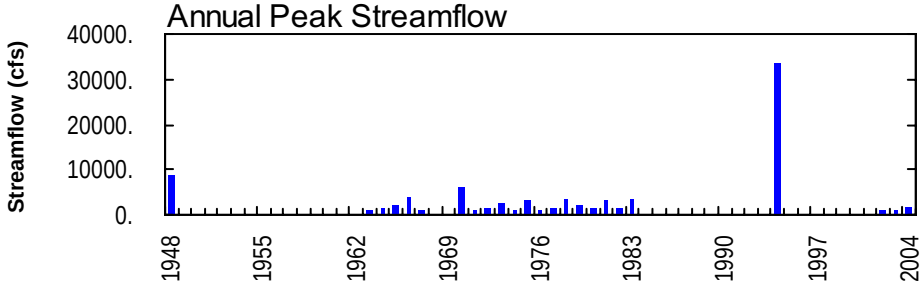


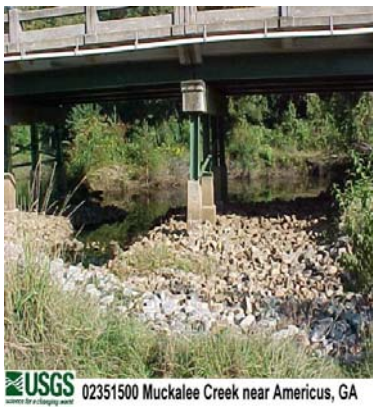
Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2004 Water Year

02351500 MUCKALEE CREEK NEAR AMERICUS, GA

LOCATION.—Lat 32°04'59", long 84°15'29", referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130007, on GA 30, 1.0 mile west of intersection with GA 19/38 in Americus.

DRAINAGE AREA.—140 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 321.09 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.— Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 321.09 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.99 feet, September 8; minimum gage-height recorded, 0.87 feet, August 10.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351500 MUCKALEE CREEK NEAR AMERICUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320459 LONGITUDE 0841529 NAD83 DRAINAGE AREA 140.00* CONTRIBUTING DRAINAGE AREA DATUM 321.09 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	90	111	117	138	209	84	310	30	131	46	69
2	47	84	96	168	120	188	78	497	93	186	45	50
3	46	80	92	160	133	170	75	420	74	193	44	48
4	46	78	119	146	130	156	73	207	65	173	36	43
5	47	121	184	119	115	149	71	97	78	120	29	53
6	49	123	156	119	151	149	68	76	47	79	26	77
7	53	114	112	91	316	147	67	60	37	63	25	1070
8	103	100	100	81	334	131	93	49	63	103	23	1510
9	157	90	97	85	175	122	121	42	48	126	23	839
10	105	83	127	104	134	118	101	40	45	94	199	530
11	173	79	175	112	123	115	81	44	57	64	734	462
12	203	79	151	99	273	113	75	44	46	51	848	336
13	135	80	114	86	506	110	98	122	74	43	436	240
14	103	75	129	88	521	107	105	120	514	37	201	212
15	88	72	129	86	495	107	88	74	270	38	122	198
16	80	73	115	79	449	116	73	55	229	35	97	319
17	72	77	109	80	279	124	67	49	331	38	89	854
18	69	83	109	111	209	111	61	44	153	52	82	963
19	69	262	102	150	182	102	57	40	104	55	70	551
20	67	300	96	124	166	98	53	50	76	50	59	328
21	66	190	92	104	158	96	47	47	83	36	56	232
22	65	119	90	98	147	90	46	43	462	30	60	190
23	61	103	92	91	135	84	43	40	453	27	62	166
24	58	99	121	76	153	84	41	31	235	24	61	151
25	58	101	140	82	219	85	41	27	135	21	52	141
26	66	97	117	310	578	85	42	24	139	26	43	132
27	132	94	102	661	645	83	69	20	149	78	39	360
28	161	120	96	780	469	83	71	18	107	119	37	609
29	175	187	93	450	281	83	55	18	111	96	33	560
30	131	170	97	266	---	84	61	18	118	65	42	351
31	102	---	99	168	---	89	---	18	---	53	80	---
TOTAL	2838	3423	3562	5291	7734	3588	2105	2744	4426	2306	3799	11644
MEAN	91.5	114	115	171	267	116	70.2	88.5	148	74.4	123	388
MAX	203	300	184	780	645	209	121	497	514	193	848	1510
MIN	46	72	90	76	115	83	41	18	30	21	23	43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	64.4	122	136	137	202	185	140	86.5	141	83.5	95.6	154
MAX	91.5	140	185	171	267	258	220	135	200	123	179	388
(WY)	2004	2003	2003	2004	2004	2003	2003	2003	2003	2003	2003	2004
MIN	37.3	112	108	113	156	116	70.2	35.7	28.1	35.6	22.1	59.9
(WY)	2002	2002	2002	2002	2002	2004	2004	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	55722		53460			
ANNUAL MEAN	153		146		130	
HIGHEST ANNUAL MEAN					159	2003
LOWEST ANNUAL MEAN					84.2	2002
HIGHEST DAILY MEAN	769	Mar 21	1510	Sep 8	1510	Sep 8 2004
LOWEST DAILY MEAN	38	Sep 19	18	May 28 a	9.8	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	45	Sep 16	20	May 25	11	Aug 9 2002
MAXIMUM PEAK FLOW			1710	Sep 8		
MAXIMUM PEAK STAGE			7.99	Sep 8		
INSTANTANEOUS LOW FLOW			18	May 28		
10 PERCENT EXCEEDS	290		312		273	
50 PERCENT EXCEEDS	112		97		91	
90 PERCENT EXCEEDS	63		42		32	

a Also May 29,30,31

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351500 MUCKALEE CREEK NEAR AMERICUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320459 LONGITUDE 0841529 NAD83 DRAINAGE AREA 140.00* CONTRIBUTING DRAINAGE AREA DATUM 321.09 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.80	2.43	2.86	2.92	3.23	3.79	2.49	4.31	1.42	2.97	1.53	2.11
2	1.73	2.35	2.66	3.48	3.03	3.64	2.41	5.29	2.63	3.47	1.50	1.78
3	1.71	2.29	2.61	3.43	3.20	3.50	2.36	4.94	2.33	3.54	1.47	1.75
4	1.70	2.26	2.98	3.30	3.16	3.39	2.32	3.71	2.19	3.38	1.28	1.64
5	1.73	2.85	3.61	3.02	2.96	3.34	2.29	2.69	2.39	2.82	1.11	1.81
6	1.76	2.90	3.38	3.01	3.26	3.34	2.24	2.37	1.86	2.27	1.01	2.05
7	1.83	2.79	2.92	2.59	4.41	3.32	2.22	2.11	1.64	2.02	0.97	6.82
8	2.53	2.59	2.73	2.45	4.51	3.17	2.62	1.91	2.16	2.60	0.92	7.68
9	3.23	2.43	2.68	2.51	3.53	3.06	3.04	1.77	1.89	2.92	0.91	6.38
10	2.66	2.34	3.08	2.79	3.20	3.00	2.75	1.72	1.83	2.49	2.65	5.42
11	3.36	2.28	3.54	2.91	3.07	2.96	2.45	1.80	2.06	2.04	6.08	5.13
12	3.64	2.28	3.34	2.71	4.10	2.93	2.36	1.80	1.81	1.80	6.40	4.52
13	3.02	2.29	2.95	2.52	5.33	2.89	2.71	3.01	2.20	1.64	4.97	3.92
14	2.63	2.22	3.15	2.55	5.39	2.85	2.81	3.02	5.34	1.51	3.57	3.72
15	2.41	2.17	3.15	2.51	5.28	2.85	2.56	2.33	4.09	1.52	2.79	3.60
16	2.29	2.19	2.96	2.42	5.08	2.97	2.33	2.02	3.84	1.44	2.44	4.27
17	2.16	2.24	2.88	2.43	4.21	3.09	2.22	1.90	4.49	1.51	2.33	6.38
18	2.12	2.33	2.87	2.89	3.78	2.90	2.13	1.80	3.18	1.83	2.24	6.67
19	2.12	4.03	2.77	3.34	3.59	2.76	2.05	1.72	2.64	1.88	2.06	5.49
20	2.09	4.31	2.67	3.07	3.47	2.70	1.98	1.93	2.24	1.78	1.87	4.47
21	2.07	3.52	2.60	2.79	3.41	2.67	1.87	1.85	2.24	1.48	1.82	3.87
22	2.06	2.84	2.58	2.70	3.32	2.58	1.84	1.79	5.13	1.32	1.91	3.54
23	2.00	2.62	2.60	2.59	3.21	2.49	1.79	1.70	5.06	1.23	1.96	3.33
24	1.94	2.57	3.04	2.37	3.36	2.48	1.75	1.47	3.86	1.14	1.95	3.19
25	1.93	2.60	3.26	2.46	3.82	2.51	1.74	1.35	3.02	1.04	1.79	3.08
26	2.07	2.54	2.98	4.29	5.60	2.51	1.76	1.26	3.06	1.19	1.61	3.00
27	2.98	2.50	2.77	5.85	5.85	2.47	2.26	1.14	3.16	2.14	1.53	4.43
28	3.27	2.83	2.67	6.23	5.16	2.47	2.29	1.07	2.69	2.73	1.48	5.72
29	3.40	3.51	2.62	5.06	4.22	2.48	2.01	1.05	2.73	2.40	1.41	5.54
30	2.98	3.40	2.68	4.13	---	2.49	2.11	1.07	2.83	1.89	1.62	4.58
31	2.61	---	2.71	3.49	---	2.56	---	1.07	---	1.67	2.30	---
MEAN	2.38	2.68	2.91	3.19	3.99	2.91	2.26	2.16	2.87	2.05	2.18	4.20
MAX	3.64	4.31	3.61	6.23	5.85	3.79	3.04	5.29	5.34	3.54	6.40	7.68
MIN	1.70	2.17	2.58	2.37	2.96	2.47	1.74	1.05	1.42	1.04	0.91	1.64

APALACHICOLA RIVER BASIN
2004 Water Year

02351790 MUCKALOOCHEE CREEK AT CROSS ROAD, NEAR SUMTER, GA

LOCATION.—Lat 31°56'59", long 84°16'34", referenced to North American Datum (NAD) of 1983, Sumter County, Hydrologic Unit 03130007, located at bridge crossing on County Road 303 (Cross Rd.), 1.6 miles upstream of US 19.

DRAINAGE AREA.—38.5 square miles.

REMARKS.—Datum of gage is 310.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
12...	02351790	20040412	1600	1028	80020	10.41	22	10	--	752	8.0	88
MAY												
20...	02351790	20040520	1330	1028	80020	9.99	8.5	40	10	759	7.6	85

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
12...	5.9	32	19.5	--	--	E.02	.72	<.008	--	<.006	.014	.94	--
MAY													
20...	6.0	31	20.3	4.5	6	.05	.90	E.004	.05	<.006	.012	1.13	.7

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
12...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
20...	.7	2.5	.8	.5	96	6	1006	15.00	3045	100

02351790 MUCKALOOCHEE CREEK AT CROSS ROAD, NEAR SUMTER, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
21...	1000	80020	10.0	90.9	907	150	998	161.2	3410	3.9	13.4	1.5	2.9

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

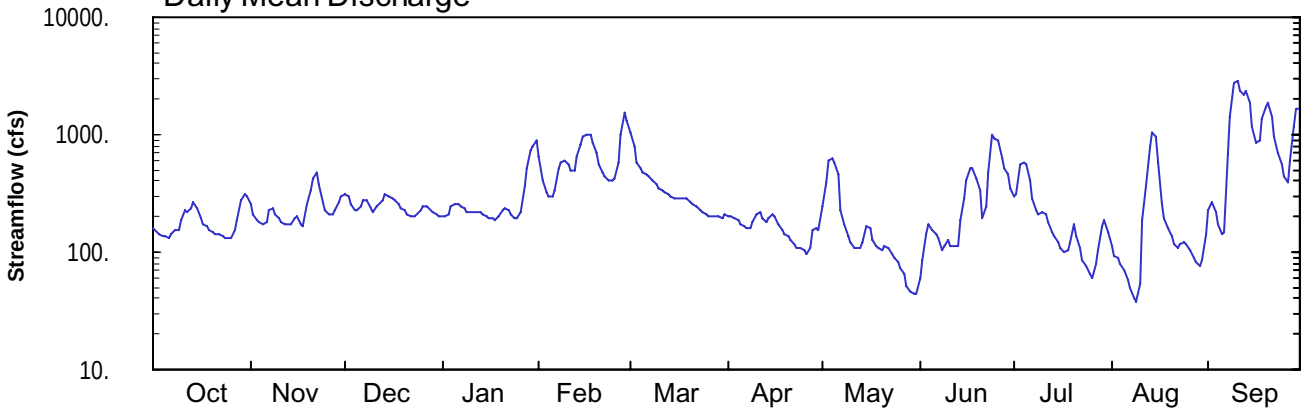
APALACHICOLA RIVER BASIN

02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA

Latitude: 31°46'34" Longitude: 084°08'22" Hydrologic Unit Code: 03130007

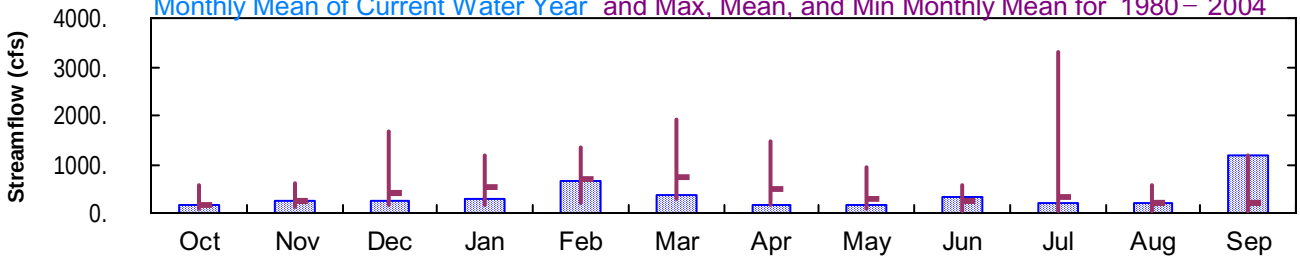
Lee County Datum: 220 feet Drainage Area: 362. mi²

Daily Mean Discharge

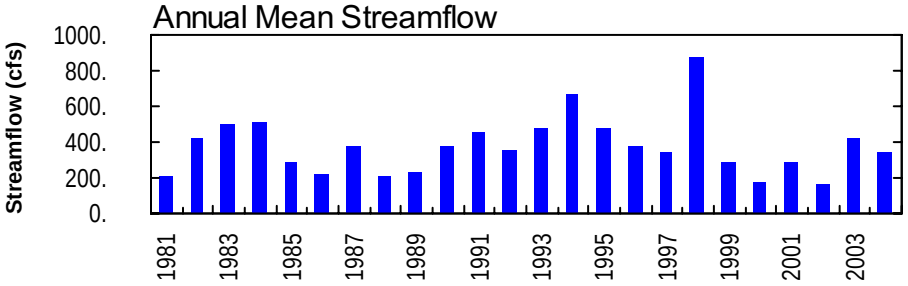


Monthly Statistics

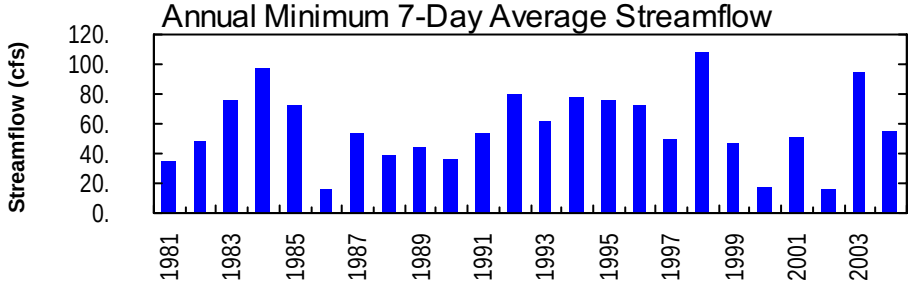
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1980 – 2004



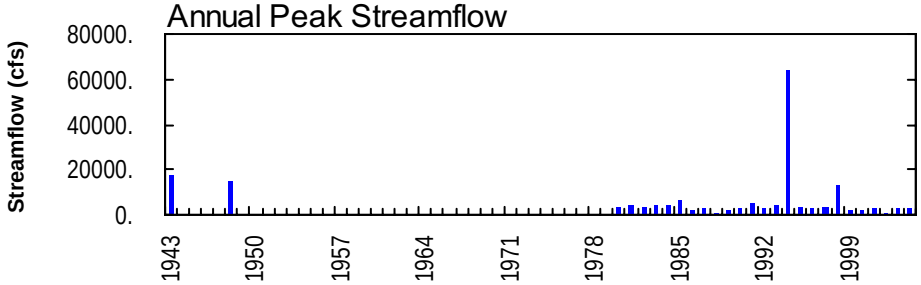
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA

LOCATION.—Lat 31°46'34", long 84°08'22", referenced to North American Datum (NAD) of 1927, Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on GA 195, 75 feet downstream from White Oak Branch, 3.3 miles downstream from Muckaloochee Creek, and 4.0 miles northeast of Leesburg.

DRAINAGE AREA.—362 square miles.

COOPERATION.—Georgia Geologic Survey; Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

REVISED RECORDS.—WRD GA-82-1: 1980(P), 1981(P).

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 220.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/28	0945	1,590	10.83
09/10	0115	3,010*	12.20*
09/20	0845	1,940	11.27
09/29	2030	1,780	11.09

WATER-STAGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 220.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.20 feet, September 10; minimum gage-height recorded, 2.42 feet, August 10.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314634 LONGITUDE 0840822 NAD83 DRAINAGE AREA 362.00 CONTRIBUTING DRAINAGE AREA 362.00* DATUM 220 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	254	308	203	653	1030	203	248	61	301	111	225
2	147	208	298	203	411	787	200	390	86	304	93	269
3	140	186	256	211	327	584	191	593	143	556	88	215
4	137	177	229	245	298	509	183	629	172	575	79	170
5	135	173	229	258	295	476	176	577	157	559	70	140
6	132	181	247	259	338	453	167	465	140	408	59	147
7	141	223	274	244	516	435	159	231	129	285	50	682
8	152	232	277	232	585	409	163	170	105	227	41	1430
9	151	211	240	218	609	374	181	138	112	212	38	2810
10	190	195	221	219	548	353	210	120	127	218	53	2850
11	229	179	244	215	491	341	216	109	112	213	187	2350
12	218	171	257	217	503	326	196	109	114	178	357	2200
13	239	172	279	221	650	313	182	110	111	145	776	2320
14	265	170	306	211	831	299	192	119	189	135	1040	1880
15	239	193	296	200	960	291	213	164	287	119	951	1170
16	196	201	288	197	995	284	198	160	407	110	572	860
17	174	174	275	191	988	285	173	126	512	102	258	905
18	164	166	255	187	842	289	156	111	519	102	191	1360
19	156	251	237	200	708	286	141	109	424	122	162	1730
20	149	341	225	224	559	269	135	105	329	174	137	1860
21	145	431	214	239	480	255	128	112	197	139	117	1410
22	141	469	204	227	432	241	118	108	242	109	108	954
23	139	380	200	206	410	228	110	97	485	86	115	704
24	134	270	211	196	401	218	107	90	988	75	121	549
25	132	226	224	192	421	212	103	82	943	66	117	447
26	134	210	241	215	586	205	98	73	883	60	103	385
27	153	207	249	366	996	206	110	64	628	79	90	597
28	184	224	236	525	1530	204	155	52	524	103	82	1160
29	276	264	216	731	1290	201	160	46	466	167	77	1670
30	313	295	209	780	---	197	155	44	346	184	86	1630
31	302	---	205	881	---	206	---	44	---	146	140	---
TOTAL	5565	7034	7650	8913	18653	10766	4879	5595	9938	6259	6469	35079
MEAN	180	234	247	288	643	347	163	180	331	202	209	1169
MAX	313	469	308	881	1530	1030	216	629	988	575	1040	2850
MIN	132	166	200	187	295	197	98	44	61	60	38	140
CFSM	0.50	0.65	0.68	0.79	1.78	0.96	0.45	0.50	0.92	0.56	0.58	3.23
IN.	0.57	0.72	0.79	0.92	1.92	1.11	0.50	0.57	1.02	0.64	0.66	3.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	176	263	414	537	689	728	475	293	227	340	196	206
MAX	566	629	1667	1194	1360	1906	1450	957	574	3296	552	1169
(WY)	1995	1998	1998	1998	1998	1998	1998	1991	2003	1994	1984	2004
MIN	78.8	129	145	183	196	281	163	65.8	33.3	35.1	40.9	57.7
(WY)	2001	1991	1989	1989	1989	1989	2004	2000	2000	1986	2002	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	149616		126800			
ANNUAL MEAN	410		346		378	
HIGHEST ANNUAL MEAN					876	1998
LOWEST ANNUAL MEAN					165	2002
HIGHEST DAILY MEAN	2120	Apr 11	2850	Sep 10	36000	Jul 7 1994
LOWEST DAILY MEAN	116	Sep 21	38	Aug 9	12	Jul 20 1986
ANNUAL SEVEN-DAY MINIMUM	135	Sep 16	55	May 26	16	Jul 15 1986
MAXIMUM PEAK FLOW			3010	Sep 10	64400	Jul 6 1994
MAXIMUM PEAK STAGE			12.20	Sep 10	29.10	Jul 6 1994
INSTANTANEOUS LOW FLOW			37	Aug 10	11	Aug 14 2002
ANNUAL RUNOFF (CFSM)	1.13		0.957		1.04	
ANNUAL RUNOFF (INCHES)	15.37		13.03		14.19	
10 PERCENT EXCEEDS	779		744		783	
50 PERCENT EXCEEDS	287		214		226	
90 PERCENT EXCEEDS	174		105		82	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314634 LONGITUDE 0840822 NAD83 DRAINAGE AREA 362.00 CONTRIBUTING DRAINAGE AREA 362.00* DATUM 220 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.28	5.32	5.82	4.81	7.86	9.63	4.61	5.01	2.83	5.48	3.57	4.81
2	4.15	4.87	5.74	4.81	6.30	8.57	4.57	6.14	3.22	5.50	3.33	5.21
3	4.06	4.62	5.34	4.90	5.69	7.48	4.49	7.53	3.96	7.29	3.25	4.72
4	4.01	4.51	5.09	5.24	5.45	7.01	4.40	7.75	4.29	7.42	3.11	4.26
5	4.00	4.46	5.09	5.37	5.42	6.78	4.33	7.44	4.11	7.33	2.99	3.92
6	3.95	4.56	5.26	5.37	5.75	6.60	4.23	6.68	3.92	6.28	2.80	3.99
7	4.08	5.02	5.51	5.24	7.05	6.46	4.14	4.87	3.80	5.34	2.65	7.94
8	4.21	5.11	5.54	5.12	7.48	6.28	4.18	4.25	3.50	4.85	2.48	10.40
9	4.19	4.90	5.19	4.98	7.63	6.04	4.38	3.90	3.58	4.70	2.44	12.05
10	4.66	4.71	5.01	4.99	7.26	5.89	4.68	3.69	3.77	4.77	2.68	12.07
11	5.09	4.54	5.23	4.95	6.88	5.79	4.75	3.54	3.58	4.72	4.42	11.66
12	4.97	4.44	5.35	4.96	6.95	5.68	4.53	3.54	3.61	4.34	5.89	11.54
13	5.18	4.45	5.56	5.01	7.87	5.57	4.39	3.56	3.57	3.98	8.48	11.65
14	5.43	4.42	5.80	4.90	8.78	5.46	4.49	3.68	4.45	3.87	9.66	11.18
15	5.18	4.69	5.71	4.78	9.37	5.39	4.72	4.20	5.36	3.68	9.31	9.98
16	4.73	4.79	5.64	4.74	9.51	5.33	4.56	4.14	6.27	3.56	7.35	8.93
17	4.48	4.47	5.52	4.67	9.48	5.35	4.30	3.76	7.02	3.45	5.11	9.13
18	4.35	4.38	5.34	4.62	8.85	5.38	4.11	3.58	7.07	3.46	4.48	10.37
19	4.26	5.28	5.17	4.77	8.18	5.35	3.93	3.55	6.39	3.71	4.17	11.03
20	4.17	6.11	5.05	5.03	7.33	5.21	3.87	3.50	5.68	4.30	3.88	11.18
21	4.12	6.79	4.93	5.18	6.81	5.09	3.78	3.58	4.54	3.91	3.65	10.51
22	4.07	7.05	4.83	5.07	6.44	4.97	3.67	3.54	4.96	3.55	3.53	9.32
23	4.04	6.41	4.78	4.84	6.28	4.85	3.56	3.38	6.78	3.23	3.63	8.15
24	3.98	5.47	4.90	4.73	6.23	4.76	3.53	3.28	9.45	3.06	3.70	7.26
25	3.95	5.06	5.04	4.69	6.37	4.70	3.47	3.17	9.30	2.92	3.65	6.56
26	3.98	4.89	5.20	4.89	7.48	4.63	3.39	3.03	9.03	2.82	3.47	6.12
27	4.22	4.85	5.28	6.19	9.39	4.64	3.56	2.89	7.72	3.11	3.29	7.45
28	4.59	5.03	5.16	7.25	10.73	4.63	4.09	2.69	7.11	3.46	3.16	9.95
29	5.53	5.41	4.96	8.36	10.29	4.59	4.15	2.59	6.69	4.23	3.09	10.94
30	5.87	5.70	4.87	8.57	---	4.55	4.10	2.55	5.82	4.41	3.21	10.88
31	5.77	---	4.83	9.03	---	4.64	---	2.55	---	3.99	3.93	---
MEAN	4.50	5.08	5.25	5.42	7.56	5.72	4.17	4.11	5.38	4.41	4.21	8.77
MAX	5.87	7.05	5.82	9.03	10.73	9.63	4.75	7.75	9.45	7.42	9.66	12.07
MIN	3.95	4.38	4.78	4.62	5.42	4.55	3.39	2.55	2.83	2.82	2.44	3.92

2004 Water Year

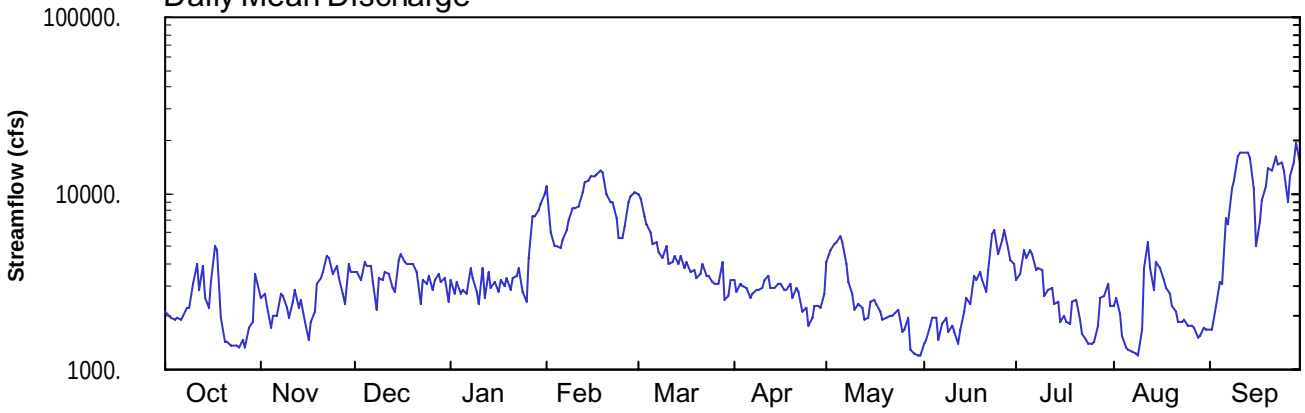
APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA

Latitude: 31°35'39" Longitude: 084°08'39" Hydrologic Unit Code: 03130008

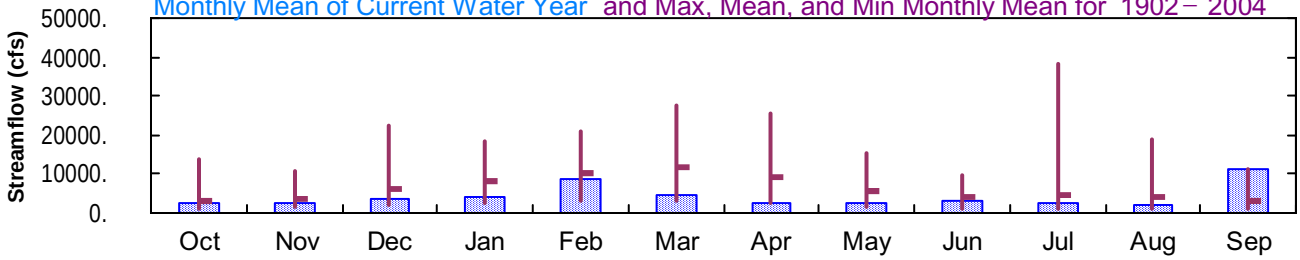
Dougherty County Datum: 150.03 feet Drainage Area: 5310. mi²

Daily Mean Discharge

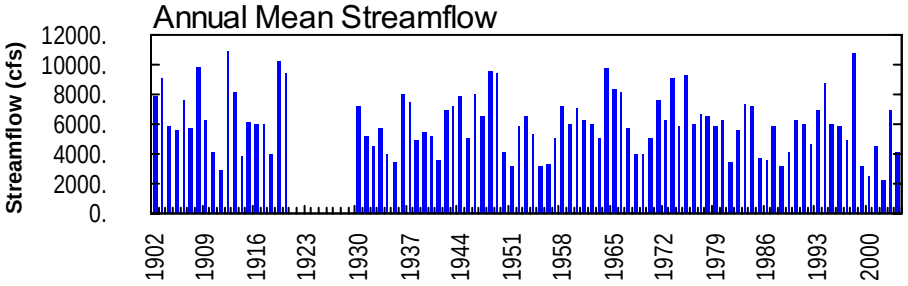


Monthly Statistics

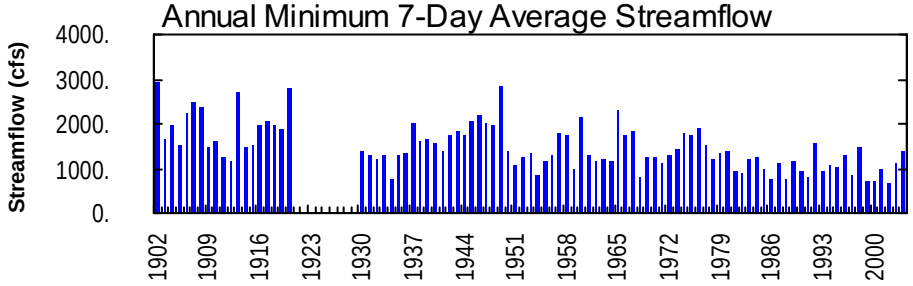
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1902 – 2004

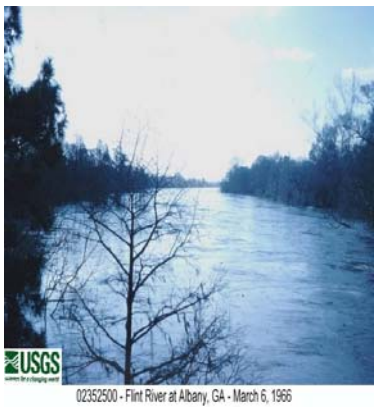


Annual Mean Streamflow



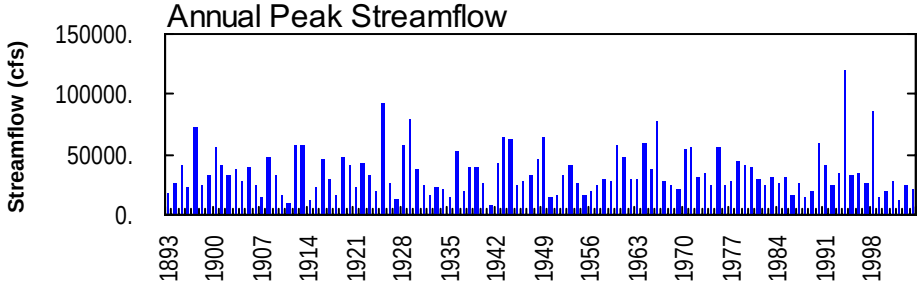
Annual Minimum 7-Day Average Streamflow





02352500 - Flint River at Albany, GA - March 6, 1966

Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02352500 FLINT RIVER AT ALBANY, GA

LOCATION.—Lat 31°35'39", long 84°08'39", referenced to North American Datum (NAD) of 1927, Dougherty County, Hydrologic Unit 03130008, on right bank at downstream side of Georgia Northern Railway bridge in Albany, 0.5 miles downstream from Muckafoonee Creek, and at mile 103.4.

DRAINAGE AREA.—5,310 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 1897 to September 1901 (gage-height only), October 1901 to June 1921, October 1929 to current year. Gage-height records collected at site 1.0 mile downstream since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1504: 1902, 1913(M), 1916-17, 1919- 21, 1930(m), 1934(m), drainage area; WDR GA-95-1:1994.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 150.03 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1902, a non-recording gage was located at site 1.0 mile downstream at datum 1.3 feet lower. From January 1, 1902 to June 30, 1921, a non-recording gage was located at site 1.0 mile downstream at datum 2.0 feet lower.

REMARKS.—Records good. Flow regulated by power plants at Flint River Reservoir since 1921 with a capacity of 7,500 acre-feet; and at Warwick Reservoir since 1930 with a capacity of about 35,000 acre-feet. Normal operation of power plants does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of January 21, 1925 reached a stage of 37.84 feet, from flood marks, present site and datum, discharge, 92,000 cfs.

WATER-STAGE RECORDS

PERIOD OF RECORD.—February 1897 to September 1901 (gage-height only), October 1901 to June 1921, October 1929 to current year. Gage-height records collected at site 1.0 mile downstream since 1893 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 150.03 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1902, a non-recording gage was located at site 1.0 mile downstream at datum 1.3 feet lower. From January 1, 1902 to June 30, 1921, a non-recording gage was located at site 1.0 mile downstream at datum 2.0 feet lower.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.16 feet, September 29; minimum gage-height recorded, 1.27 feet, August 11.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02352500 FLINT RIVER AT ALBANY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313539 LONGITUDE 0840839 NAD83 DRAINAGE AREA 5310.00* CONTRIBUTING DRAINAGE AREA DATUM 150.03 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2120	2580	3540	3220	10900	9970	3200	4090	1420	3230	2310	1700
2	1990	2680	3530	2660	5960	9420	2730	4720	1490	3520	2540	1680
3	1950	2300	3190	3120	4980	7400	3030	5150	1780	4760	2100	2300
4	1910	1710	4110	2670	4980	6600	3010	5310	1960	4310	1550	3120
5	1950	2010	3850	2800	4910	6050	2920	5740	1960	4750	1340	3070
6	1910	2030	3890	2670	5380	5110	2540	5270	1460	4550	1290	7250
7	2000	2690	3170	3790	6230	5340	2700	3960	1840	3630	1250	6730
8	2240	2590	2170	3350	7030	4700	2810	3140	1980	3770	1220	10700
9	2250	2250	3310	2770	8190	4310	2800	2660	1660	3640	1190	11800
10	3080	1970	3250	2380	8320	5020	2930	2170	1770	2600	1700	16000
11	4000	2450	3620	3820	8350	4010	3200	2360	1650	2850	3780	17000
12	2830	2850	3530	2530	10200	4090	3350	2240	1390	2870	5230	17300
13	3900	2230	2910	3580	11600	4380	2880	1940	1680	2380	3730	16900
14	2520	2500	2720	2910	11800	3980	2940	1950	2130	2400	2860	15900
15	2230	1880	4150	3150	12400	4350	3050	2410	2580	1870	4080	10600
16	3140	1460	4540	2790	12600	3720	3020	2490	2370	2020	3810	5060
17	5020	1880	4110	3260	12700	4070	2810	2360	3440	1860	3250	6780
18	4750	2100	3930	2960	13500	3580	2860	2110	3250	1800	2940	9200
19	1960	3100	3950	3270	13300	3640	3050	1900	3590	2410	2670	10900
20	1440	3330	3950	2840	9990	3330	2520	1970	3190	2470	2280	14000
21	1450	3540	3570	3300	8940	3510	2870	2040	2790	1930	2100	13400
22	1380	4440	2340	3430	8870	4000	2730	2040	3690	1590	1860	16000
23	1360	4340	3230	3740	7220	3360	2150	2130	5820	1490	1870	14600
24	1350	3450	3030	2780	5590	3430	2210	2160	6100	1400	1900	14800
25	1340	3880	3410	2430	5530	3130	1780	1630	4570	1400	1800	13400
26	1490	3350	2820	4310	6550	3030	1960	1690	5430	1440	1790	9010
27	1340	2660	3200	7400	8920	3030	2280	1950	6130	1770	1740	12500
28	1730	2350	3510	7340	9670	4080	2270	1310	4830	2560	1530	14900
29	1860	3990	3160	8020	10200	2500	2260	1220	4230	2590	1570	19600
30	3470	3550	3300	8580	---	2620	2680	1210	3950	3030	1710	15200
31	2860	---	2420	9910	---	3250	---	1210	---	2320	1700	---
TOTAL	72820	82140	105410	121780	254810	139010	81540	82530	90130	83210	70690	331400
MEAN	2349	2738	3400	3928	8787	4484	2718	2662	3004	2684	2280	11050
MAX	5020	4440	4540	9910	13500	9970	3350	5740	6130	4760	5230	19600
MIN	1340	1460	2170	2380	4910	2500	1780	1210	1390	1400	1190	1680
CFSM	0.44	0.52	0.64	0.74	1.65	0.84	0.51	0.50	0.57	0.51	0.43	2.08
IN.	0.51	0.58	0.74	0.85	1.79	0.97	0.57	0.58	0.63	0.58	0.50	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2004, BY WATER YEAR (WY)

MEAN	3060	3409	5991	8255	10320	11720	9231	5598	3997	4653	3985	2885
MAX	13970	10520	22210	18590	20680	27490	25500	15410	9722	38480	18950	11050
(WY)	1930	1931	1949	1964	1908	1998	1944	1920	1973	1994	1919	2004
MIN	1099	1374	1993	2306	3252	3053	2718	1408	814	814	861	986
(WY)	2001	2002	1989	1956	1989	1911	2004	2000	2000	1986	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1902 - 2004	
ANNUAL TOTAL	2422250		1515470			
ANNUAL MEAN	6636		4141		6086	
HIGHEST ANNUAL MEAN					10910	1912
LOWEST ANNUAL MEAN					2204	2002
HIGHEST DAILY MEAN	23800	May 15	19600	Sep 29	119000	Jul 10 1994
LOWEST DAILY MEAN	1310	Sep 16	1190	Aug 9	327	Aug 24 1930
ANNUAL SEVEN-DAY MINIMUM	1390	Oct 21	1360	Aug 4	656	Aug 18 2002
MAXIMUM PEAK FLOW			21400	Sep 29	120000	Jul 11 1994
MAXIMUM PEAK STAGE			16.16	Sep 29	43.00	Jul 11 1994
INSTANTANEOUS LOW FLOW			562	Aug 11		
ANNUAL RUNOFF (CFSM)	1.25		0.780		1.15	
ANNUAL RUNOFF (INCHES)	16.97		10.62		15.57	
10 PERCENT EXCEEDS	13800		8960		13000	
50 PERCENT EXCEEDS	5200		3040		4080	
90 PERCENT EXCEEDS	2110		1700		1680	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02352500 FLINT RIVER AT ALBANY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313539 LONGITUDE 0840839 NAD83 DRAINAGE AREA 5310.00* CONTRIBUTING DRAINAGE AREA DATUM 150.03 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.45	3.84	4.55	4.30	8.79	8.27	4.32	4.91	2.72	4.13	3.43	2.91
2	3.33	3.89	4.55	3.86	5.99	7.97	3.95	5.30	2.77	4.38	3.65	2.89
3	3.29	3.57	4.30	4.20	5.42	6.84	4.20	5.56	3.06	5.25	3.22	3.43
4	3.26	3.01	4.90	3.92	5.43	6.39	4.18	5.66	3.22	4.95	2.70	4.12
5	3.29	3.31	4.72	3.99	5.40	6.07	4.11	5.92	3.23	5.24	2.50	4.04
6	3.25	3.30	4.73	3.92	5.67	5.49	3.82	5.63	2.77	5.11	2.44	6.80
7	3.34	3.83	4.23	4.66	6.18	5.66	3.95	4.81	3.13	4.48	2.39	6.42
8	3.55	3.72	3.45	4.39	6.65	5.27	4.03	4.28	3.25	4.53	2.35	8.68
9	3.56	3.50	4.35	4.00	7.31	5.03	4.03	3.92	2.93	4.46	2.32	9.30
10	4.21	3.27	4.32	3.66	7.38	5.47	4.12	3.50	3.04	3.66	2.82	12.09
11	4.77	3.66	4.57	4.67	7.40	4.85	4.32	3.67	2.93	3.85	4.53	12.84
12	3.93	3.89	4.53	3.77	8.42	4.90	4.43	3.57	2.51	3.85	5.57	13.05
13	4.63	3.50	4.01	4.54	9.20	5.08	4.06	3.28	2.95	3.46	4.55	12.75
14	3.73	3.67	3.87	4.08	9.29	4.76	4.13	3.29	3.41	3.47	3.86	12.03
15	3.32	3.16	4.77	4.26	9.63	5.07	4.21	3.71	3.82	3.03	4.79	8.66
16	4.23	2.76	5.08	4.01	9.77	4.63	4.19	3.78	3.60	3.13	4.61	5.47
17	5.35	3.18	4.89	4.35	9.84	4.89	4.03	3.66	4.39	3.04	4.18	6.49
18	5.21	3.37	4.76	4.07	10.35	4.53	4.07	3.44	4.26	3.00	3.98	7.85
19	3.16	4.19	4.77	4.33	10.18	4.59	4.19	3.25	4.50	3.54	3.77	8.77
20	2.74	4.39	4.75	4.04	8.28	4.32	3.81	3.30	4.20	3.56	3.45	10.66
21	2.75	4.52	4.53	4.38	7.71	4.41	4.08	3.38	3.87	3.10	3.29	10.27
22	2.65	5.06	3.60	4.46	7.68	4.82	3.97	3.38	4.53	2.79	3.07	12.12
23	2.65	5.01	4.31	4.66	6.77	4.39	3.48	3.46	5.95	2.68	3.09	11.05
24	2.64	4.45	4.14	3.94	5.79	4.43	3.54	3.49	6.11	2.57	3.10	11.22
25	2.63	4.71	4.44	3.68	5.77	4.21	3.12	2.95	5.09	2.57	3.01	10.36
26	2.80	4.38	4.04	4.98	6.38	4.11	3.30	2.96	5.67	2.61	3.01	7.74
27	2.62	3.81	4.26	6.88	7.69	4.19	3.60	3.18	6.14	2.94	2.95	9.79
28	3.07	3.64	4.49	6.85	8.09	4.89	3.59	2.57	5.31	3.69	2.72	11.32
29	3.08	4.79	4.28	7.22	8.37	3.58	3.58	2.46	4.89	3.70	2.77	14.81
30	4.44	4.56	4.37	7.52	---	3.83	3.91	2.46	4.67	4.04	2.90	11.56
31	4.00	---	3.68	8.24	---	4.35	---	2.47	---	3.45	2.91	---
MEAN	3.51	3.86	4.39	4.70	7.61	5.07	3.94	3.78	3.96	3.69	3.35	8.98
MAX	5.35	5.06	5.08	8.24	10.35	8.27	4.43	5.92	6.14	5.25	5.57	14.81
MIN	2.62	2.76	3.45	3.66	5.40	3.58	3.12	2.46	2.51	2.57	2.32	2.89

2004 Water Year

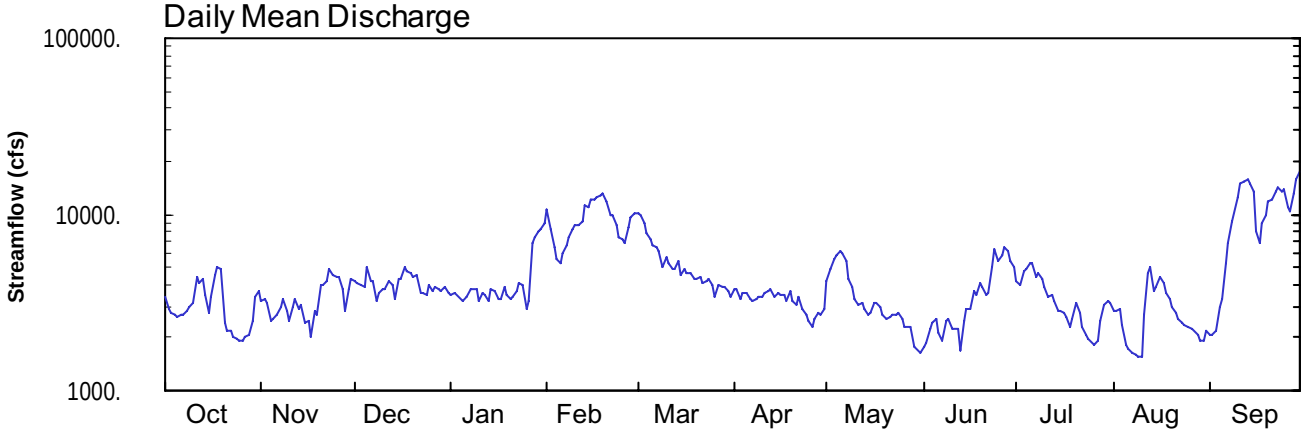
APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA

Latitude: 31°18'25" Longitude: 084°20'20" Hydrologic Unit Code: 03130008

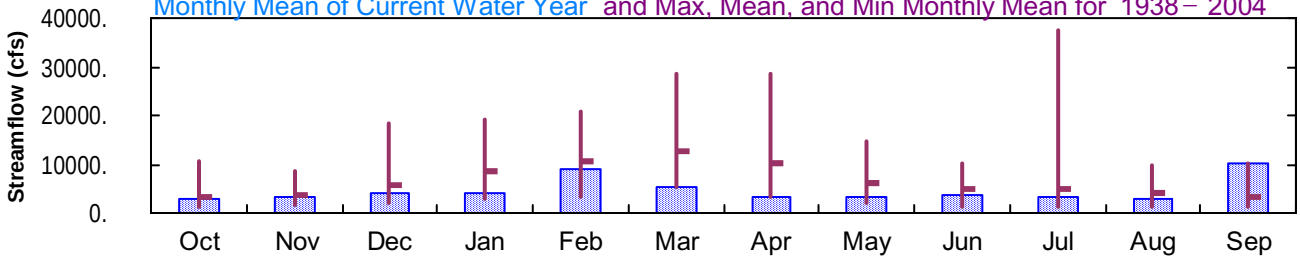
Baker County Datum: 110.20 feet Drainage Area: 5740. mi²

Daily Mean Discharge

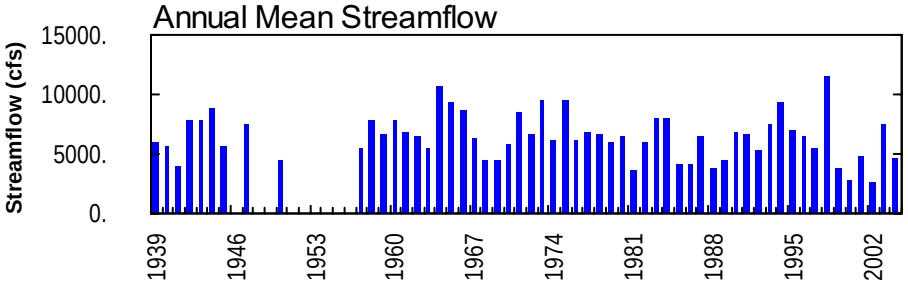


Monthly Statistics

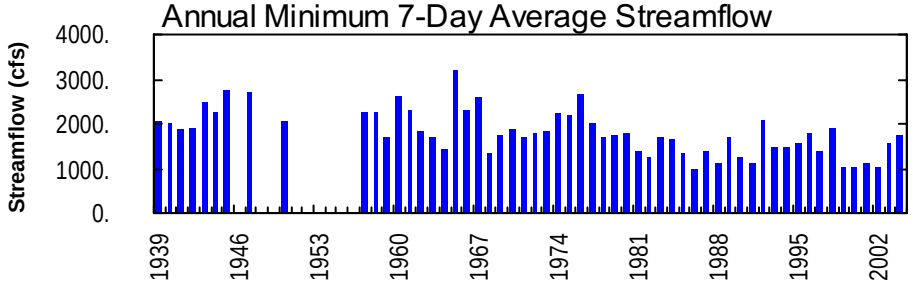
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1938 – 2004



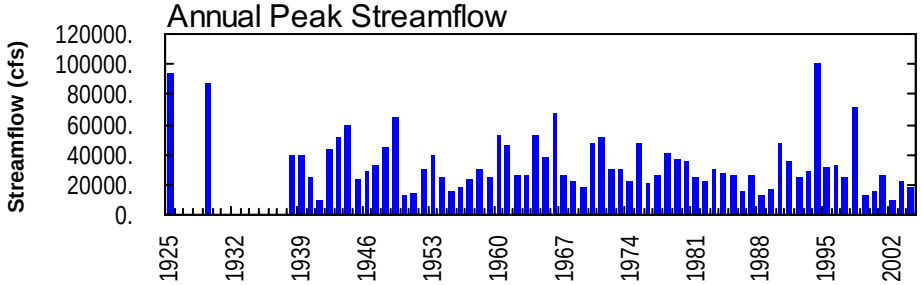
Annual Mean Streamflow

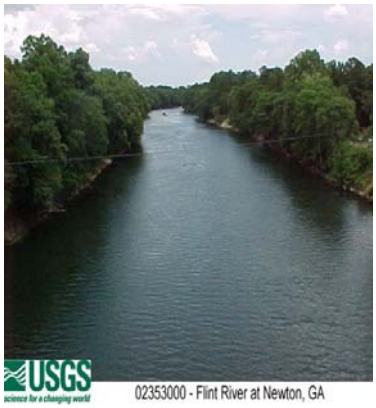


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2004 Water Year

02353000 FLINT RIVER AT NEWTON, GA

LOCATION.—Lat 31°18'24", long 84°20'19", referenced to North American Datum (NAD) of 1927, Baker-Mitchell County line, Hydrologic Unit 03130008, on downstream side of pier of bridge on GA 37 at Newton, 1.0 mile downstream from Coolewahee Creek, and at mile 69.5.

DRAINAGE AREA.—5,740 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1938 to September 1950 (monthly discharge only for October 1945 to September 1946, October 1947 to December 1948, published in WSP 1304), October 1956 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 110.20 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to November 12, 1956, a non-recording gage was located at same site and datum.

REMARKS.—Records good. Flow regulated by power plants at Flint River Reservoir since 1921, with a capacity of 7,500 acre-ft; and at Warwick Reservoir since 1930, with a capacity of about 35,000 acre-ft. Normal operation of power plants does not materially affect figures of monthly runoff. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 20,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/30	0715	18,700*	15.90*

No other peaks above base discharge

02353000 FLINT RIVER AT NEWTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1938 to September 1950 (monthly discharge only for October 1945 to September 1946, October 1947 to December 1948, published in WSP 1304), October 1956 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 110.20 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to November 12, 1956, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded 15.90 feet, September 30; minimum gage-height recorded, 3.79 feet, June 13.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 26, 2004 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353000 FLINT RIVER AT NEWTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311825 LONGITUDE 0842020 NAD83 DRAINAGE AREA 5740.00* CONTRIBUTING DRAINAGE AREA DATUM 110.20 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3410	3200	4130	3470	10500	10200	3790	4230	1750	4230	2800	2090
2	2880	3350	4120	3610	8270	9980	3760	4920	1870	3950	2840	2080
3	2760	3140	3960	3450	6530	8780	3310	5560	2230	4800	2930	2170
4	2700	2510	3900	3320	5580	7850	3580	5940	2450	4950	2340	2950
5	2650	2560	5000	3190	5270	7310	3560	6120	2540	5260	1820	3330
6	2670	2700	4150	3380	6040	6660	3310	6060	2140	5230	1730	5220
7	2660	3000	4200	3770	6610	6570	3200	5450	1930	4440	1650	6890
8	2860	3270	3210	3810	7340	6180	3290	4340	2470	4680	1590	9010
9	2960	2860	3610	3770	8210	5050	3410	3850	2540	4270	1560	10300
10	3170	2490	3820	3240	8650	5730	3370	3270	2220	3850	1540	12300
11	4460	2970	3740	3560	8640	5320	3580	3070	2230	3410	2680	14800
12	4030	3330	4200	3530	9100	4900	3720	3120	2270	3510	4670	15600
13	4290	2910	3930	3240	11400	4900	3720	2900	1700	3210	4960	15600
14	3500	3050	3320	3810	11100	5440	3410	2660	2480	2830	3630	15100
15	2730	2420	4240	3720	12100	4490	3530	2790	2890	2800	3860	13500
16	3420	2460	4290	3340	12300	4860	3530	3170	2930	2770	4370	7990
17	4500	2010	4960	3340	12300	4640	3500	3110	3680	2590	4090	6770
18	5010	2810	4730	3910	12800	4650	3210	2970	3450	2300	3540	8850
19	4940	2700	4600	3480	13200	4320	3640	2660	4120	2570	3330	9940
20	2400	4020	4450	3290	11700	4290	3190	2580	3850	3170	2950	11700
21	2190	3930	4470	3350	9750	4360	3090	2650	3470	2750	2730	12300
22	2170	4160	3560	3680	9960	4080	3380	2670	3540	2270	2570	13700
23	2000	4890	3540	4110	8770	4160	2900	2670	5060	2080	2400	14100
24	1970	4520	3480	3980	7390	4260	2700	2770	6380	1960	2340	13500
25	1930	4370	3930	2870	7200	3920	2520	2560	5370	1860	2310	13900
26	1920	4410	3690	3200	6800	3380	2290	2310	5800	1810	2250	10800
27	2040	3790	3830	6800	8540	3990	2580	2310	6430	1930	2200	10400
28	2050	2820	3740	7340	9630	3900	2740	2280	6130	2470	2080	13200
29	2490	3740	3700	7940	10100	3820	2720	1760	5380	3080	1930	15600
30	3390	4310	3820	8330	---	3690	2910	1700	5010	3200	1910	17500
31	3660	---	3580	8950	---	3380	---	1650	---	3140	2210	---
TOTAL	93810	98700	123900	130780	265780	165060	97440	104100	104310	101370	83810	311190
MEAN	3026	3290	3997	4219	9165	5325	3248	3358	3477	3270	2704	10370
MAX	5010	4890	5000	8950	13200	10200	3790	6120	6430	5260	4960	17500
MIN	1920	2010	3210	2870	5270	3380	2290	1650	1700	1810	1540	2080
CFSM	0.53	0.57	0.70	0.73	1.60	0.93	0.57	0.59	0.61	0.57	0.47	1.81
IN.	0.61	0.64	0.80	0.85	1.72	1.07	0.63	0.67	0.68	0.66	0.54	2.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	3262	3612	5627	8558	10750	12830	10360	6231	4716	5014	3999	3186
MAX	10440	8461	18280	18990	20820	28620	28750	14770	10300	37690	9841	10370
(WY)	1965	1998	1998	1964	1998	1998	1944	1964	1973	1994	1994	2004
MIN	1419	1504	2243	2768	3457	5322	3248	1934	1211	1144	1173	1268
(WY)	2001	2002	1991	1981	1989	1981	2004	2000	2000	1986	1986	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	2655760		1680250			
ANNUAL MEAN	7276		4591		6453	
HIGHEST ANNUAL MEAN					11540	1998
LOWEST ANNUAL MEAN					2608	2002
HIGHEST DAILY MEAN	21100	May 15	17500	Sep 30	100000	Jul 13 1994
LOWEST DAILY MEAN	1920	Oct 26	1540	Aug 10	840	Oct 20 1940
ANNUAL SEVEN-DAY MINIMUM	2010	Oct 22	1750	Aug 4	993	Aug 9 1986
MAXIMUM PEAK FLOW			18700	Sep 30	100000	Jul 13 1994
MAXIMUM PEAK STAGE			15.90	Sep 30	45.25	Jul 13 1994
INSTANTANEOUS LOW FLOW			1460	Jun 13	790	Oct 20 1940
ANNUAL RUNOFF (CFSM)	1.27		0.800		1.12	
ANNUAL RUNOFF (INCHES)	17.21		10.89		15.27	
10 PERCENT EXCEEDS	14000		8970		13000	
50 PERCENT EXCEEDS	6270		3580		4550	
90 PERCENT EXCEEDS	2860		2220		2030	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353000 FLINT RIVER AT NEWTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311825 LONGITUDE 0842020 NAD83 DRAINAGE AREA 5740.00* CONTRIBUTING DRAINAGE AREA DATUM 110.20 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.00	5.82	6.61	6.05	11.05	10.83	6.33	6.62	4.15	6.58	5.27	4.51
2	5.52	5.94	6.60	6.18	9.51	10.68	6.30	7.16	4.27	6.33	5.31	4.50
3	5.40	5.76	6.47	6.03	8.30	9.84	5.91	7.62	4.66	7.01	5.40	4.60
4	5.34	5.13	6.42	5.93	7.68	9.20	6.15	7.88	4.90	7.15	4.78	5.41
5	5.29	5.20	7.27	5.80	7.46	8.83	6.13	8.00	4.99	7.38	4.23	5.79
6	5.31	5.33	6.63	5.98	7.99	8.39	5.92	7.96	4.56	7.36	4.13	7.26
7	5.30	5.61	6.66	6.30	8.36	8.33	5.81	7.52	4.35	6.75	4.03	8.52
8	5.50	5.87	5.81	6.35	8.84	8.08	5.89	6.67	4.92	6.93	3.96	10.01
9	5.59	5.49	6.16	6.31	9.44	7.31	6.01	6.25	4.99	6.60	3.91	10.86
10	5.78	5.12	6.35	5.85	9.76	7.77	5.97	5.73	4.65	6.25	3.89	12.19
11	6.84	5.58	6.29	6.12	9.75	7.50	6.15	5.54	4.67	5.85	5.12	13.69
12	6.52	5.91	6.66	6.09	10.07	7.20	6.27	5.59	4.70	5.94	6.93	14.13
13	6.69	5.54	6.45	5.85	11.58	7.20	6.27	5.37	4.08	5.66	7.15	14.17
14	6.07	5.67	5.92	6.33	11.39	7.57	6.00	5.12	4.93	5.30	6.05	13.86
15	5.35	5.04	6.68	6.26	12.07	6.88	6.11	5.26	5.36	5.26	6.26	12.90
16	6.00	5.09	6.73	5.94	12.19	7.16	6.11	5.64	5.40	5.23	6.69	9.28
17	6.86	4.61	7.23	5.94	12.20	7.00	6.08	5.57	6.09	5.05	6.46	8.44
18	7.25	5.43	7.07	6.42	12.48	7.01	5.82	5.44	5.90	4.73	5.98	9.89
19	7.16	5.33	6.97	6.06	12.75	6.76	6.20	5.13	6.48	5.03	5.78	10.65
20	5.03	6.51	6.86	5.90	11.81	6.73	5.80	5.04	6.25	5.63	5.42	11.81
21	4.81	6.44	6.87	5.95	10.52	6.77	5.72	5.12	5.92	5.22	5.20	12.18
22	4.79	6.63	6.12	6.24	10.66	6.55	5.98	5.13	5.98	4.70	5.03	13.01
23	4.60	7.17	6.10	6.59	9.84	6.63	5.53	5.13	7.21	4.51	4.84	13.25
24	4.56	6.90	6.06	6.49	8.89	6.71	5.35	5.24	8.18	4.38	4.79	12.90
25	4.52	6.80	6.45	5.50	8.75	6.44	5.16	5.02	7.45	4.27	4.74	13.14
26	4.51	6.83	6.25	5.80	8.48	5.96	4.91	4.74	7.77	4.21	4.68	11.24
27	4.64	6.33	6.35	8.47	9.67	6.49	5.20	4.75	8.21	4.34	4.63	10.95
28	4.66	5.45	6.28	8.83	10.43	6.42	5.34	4.72	8.00	4.92	4.50	12.76
29	5.13	6.27	6.25	9.25	10.76	6.31	5.30	4.16	7.47	5.55	4.35	14.13
30	5.95	6.75	6.35	9.53	---	6.24	5.47	4.10	7.19	5.65	4.32	15.21
31	6.22	---	6.14	9.96	---	5.97	---	4.03	---	5.61	4.64	---
MEAN	5.59	5.85	6.49	6.59	10.09	7.44	5.84	5.72	5.79	5.66	5.11	10.71
MAX	7.25	7.17	7.27	9.96	12.75	10.83	6.33	8.00	8.21	7.38	7.15	15.21
MIN	4.51	4.61	5.81	5.50	7.46	5.96	4.91	4.03	4.08	4.21	3.89	4.50

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353000 FLINT RIVER AT NEWTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311825 LONGITUDE 0842020 NAD83 DRAINAGE AREA 5740.00* CONTRIBUTING DRAINAGE AREA DATUM 110.20 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	0.22	0.00	0.40
2	---	---	---	---	---	---	---	---	---	0.01	0.00	0.00
3	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
4	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
5	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
6	---	---	---	---	---	---	---	---	---	0.00	0.00	---
7	---	---	---	---	---	---	---	---	---	0.00	0.00	0.19
8	---	---	---	---	---	---	---	---	0.13	0.98	0.00	0.00
9	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	---	0.00	0.00	---	0.00
11	---	---	---	---	---	---	---	---	0.00	0.00	0.01	0.11
12	---	---	---	---	---	---	---	---	0.13	0.00	0.29	0.00
13	---	---	---	---	---	---	---	---	0.90	0.00	0.00	0.09
14	---	---	---	---	---	---	---	---	0.30	0.00	0.01	0.00
15	---	---	---	---	---	---	---	---	0.79	0.66	0.00	0.04
16	---	---	---	---	---	---	---	---	0.00	0.04	0.00	1.46
17	---	---	---	---	---	---	---	---	0.35	0.00	0.00	0.01
18	---	---	---	---	---	---	---	---	0.00	0.16	0.00	0.00
19	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	---	0.00	0.00	0.75	0.00
22	---	---	---	---	---	---	---	---	1.09	0.00	0.05	0.00
23	---	---	---	---	---	---	---	---	0.67	0.00	1.52	0.00
24	---	---	---	---	---	---	---	---	0.16	0.00	0.00	0.00
25	---	---	---	---	---	---	---	---	0.68	0.00	0.00	0.00
26	---	---	---	---	---	---	---	---	0.89	0.35	0.00	0.29
27	---	---	---	---	---	---	---	---	0.00	1.04	0.00	0.97
28	---	---	---	---	---	---	---	---	0.00	0.00	0.04	0.00
29	---	---	---	---	---	---	---	---	0.11	0.07	0.00	0.00
30	---	---	---	---	---	---	---	---	0.00	0.00	0.06	0.00
31	---	---	---	---	---	---	---	---	---	0.00	0.03	---
TOTAL	---	---	---	---	---	---	---	---	---	3.53	---	---

02353097 ICHAWAYNOCHAWAY CREEK AT CHERRY COLA ROAD, NEAR DAWSON, GA

LOCATION.—Lat 31°49'31", long 84°34'03", referenced to North American Datum (NAD) of 1927, Terrell County, Hydrologic Unit 03130009, located at bridge crossing on County Road 141 (Cherry Cola Rd.), 4.0 miles upstream of US 82.

DRAINAGE AREA.—52.0 square miles.

REMARKS.—Datum of gage is 300.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
14...	02353097	20040414	1530	1028	80020	4.74	41	10	--	760	9.3	89
MAY												
19...	02353097	20040519	1200	1028	80020	3.70	10	40	26	761	7.8	88

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)
APR													
14...	6.5	46	13.3	--	--	.10	--	--	.30	--	E.004	--	--
MAY													
19...	6.9	49	21.4	11.0	13	.05	2.26	.51	.52	.033	.010	.11	.031

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)
APR													
14...	<.006	.052	.85	--	--	--	--	--	--	--	1006	15.00	3044
MAY													
19...	.010	.052	1.01	1.3	1.3	6.8	1.8	.6	97	24	1006	15.00	3045

Date	Type of sample related QA data, code (99111)
APR	
14...	1
MAY	
19...	1

02353097 ICHAWAYNOCHAWAY CREEK AT CHERRY COLA ROAD, NEAR DAWSON, GA —continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass periphyton, ashfree drymass g/m2 (49954)	Biomass periphyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass periphyton, ash weight, DTH, g/m2 (63765)	Periphyton biomass ash weight, g/m2 (00572)	Biomass periphyton, dry weight, DTH, g/m2 (63767)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Chlorophyll a periphyton, DTH, CF meth mg/m2 (63763)	Pheophytn a periphyton, DTH, CF meth mg/m2 (63764)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
MAY													
20...	0930	80020	6.8	75.5	934	98	1010	104.3	10100	3.5	9.6	1.5	.7

0Remark codes used in this table:
< -- Less than
E -- Estimated value

APALACHICOLA RIVER BASIN
2004 Water Year

02353098 TURKEY CREEK AT CHERRY COLA ROAD, NEAR GRAVES, GA

LOCATION.—Lat 31°49'33", long 84°33'53", referenced to North American Datum (NAD) of 1983, Terrell County, Hydrologic Unit 03130009, located at bridge crossing on County Road 141 (Cherry Cola Rd.), 4.0 miles upstream of US 82.

DRAINAGE AREA.—36.5 square miles.

REMARKS.—Datum of gage is 310.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
14...	02353098	20040414	1630	1028	80020	5.88	27	10	--	760	9.2	91
MAY												
19...	02353098	20040519	1015	1028	80020	5.58	22	40	14	761	7.8	88

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)
APR													
14...	6.3	35	14.8	--	--	.04	--	--	.59	--	<.008	--	<.006
MAY													
19...	6.6	35	21.4	6.0	7	.07	2.28	.51	.52	.026	.008	.12	<.006

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR													
14...	.016	.86	--	--	--	--	--	--	--	1006	15.00	3044	1
MAY													
19...	.028	.96	1.6	1.6	4.8	1.8	1.1	94	14	1006	15.00	3045	1

02353098 TURKEY CREEK AT CHERRY COLA ROAD, NEAR GRAVES, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
20...	1100	80020	7.8	310	2650	100	2960	112.1	4440	2.9	11.2	.6	1.8

Remark codes used in this table:
< -- Less than

APALACHICOLA RIVER BASIN
2004 Water Year

02353190 LITTLE ICHAWAYNOCHAWAY CREEK AT CR 3, NEAR CUTHBERT, GA

LOCATION.—Lat 31°48'14", long 84°38'24", referenced to North American Datum (NAD) of 1983, Randolph County, Hydrologic Unit 03130009, located at bridge crossing on County Road 3, 3.3 miles upstream of US 82.

DRAINAGE AREA.—37.9 square miles.

REMARKS.—Datum of gage is 320.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)
APR 14...	02353190	20040414	1330	1028	80020	2.86	24	10	760	9.7	92	6.5

Date	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR 14...	51	13.0	.12	1.00	E.006	<.006	.042	1.51	1006	15.00	3044	1

Date	Time	Agency analyzing sample, code (00028)	Biomass periphyton, ashfree drymass g/m2 (49954)	Biomass periphyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass periphyton, ash weight, DTH, g/m2 (63765)	Periphyton biomass ash weight, g/m2 (00572)	Biomass periphyton, dry weight, DTH, g/m2 (63767)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Chlorophyll a periphyton, DTH, CF meth mg/m2 (63763)	Pheophytn a periphyton, DTH, CF meth mg/m2 (63764)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
MAY 19...	1700	80020	8.9	83.6	1570	140	1660	150.0	9380	2.4	14.5	1.4	1.0

Remark codes used in this table:
< -- Less than
E -- Estimated value

APALACHICOLA RIVER BASIN
2004 Water Year

02353245 FALLING CREEK AT CR 149, NEAR MORGAN, GA

LOCATION.—Lat 31°36'57", long 84°34'00", referenced to North American Datum (NAD) of 1983, Calhoun County, Hydrologic Unit 03130009, located at bridge crossing on County Road 149, 1.3 miles upstream of confluence with the Ichawaynochaway Creek.

DRAINAGE AREA.—21.1 square miles.

REMARKS.—Datum of gage is 230 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
13...	02353245	20040413	0830	1028	80020	3.37	9.7	10	--	755	7.2	77
MAY												
18...	02353245	20040518	1330	1028	80020	2.96	3.2	70	10	762	7.4	87

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)
APR													
13...	6.6	75	18.1	--	--	E.03	.53	E.006	--	.025	.008	.074	.94
MAY													
18...	7.0	75	23.5	24	29	E.02	.78	E.005	.04	.052	.017	.047	.99

Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR											
13...	--	--	--	--	--	--	--	1006	15.00	3044	1
MAY											
18...	.4	.4	3.3	.7	.4	91	14	1006	15.00	3060	1

02353245 FALLING CREEK AT CR 149, NEAR MORGAN, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Biomass peri-phyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass peri-phyton, ash weight, DTH, g/m2 (63765)	Peri-phyton biomass ash weight, g/m2 (00572)	Biomass peri-phyton, dry weight, DTH, g/m2 (63767)	Peri-phyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, peri-phyton, number (70950)	Chloro-phyll a peri-phyton, DTH, CF meth mg/m2 (63763)	Pheo-phytn a peri-phyton, DTH, CF meth mg/m2 (63764)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
MAY													
19...	0900	80020	9.9	81.0	907	140	988	151.9	6730	2.8	9.3	<.1	1.5

Remark codes used in this table:
E -- Estimated value
< -- Less than

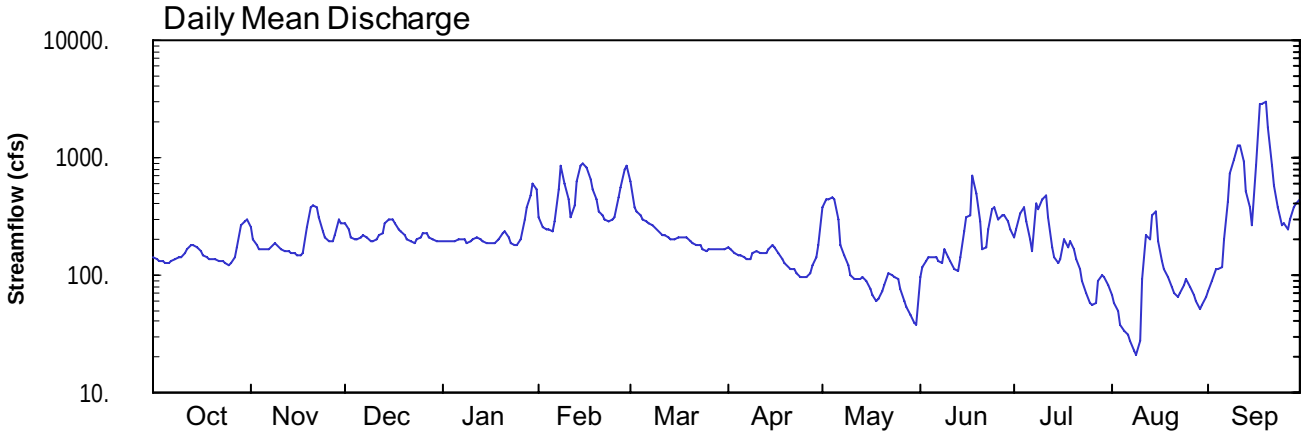
2004 Water Year

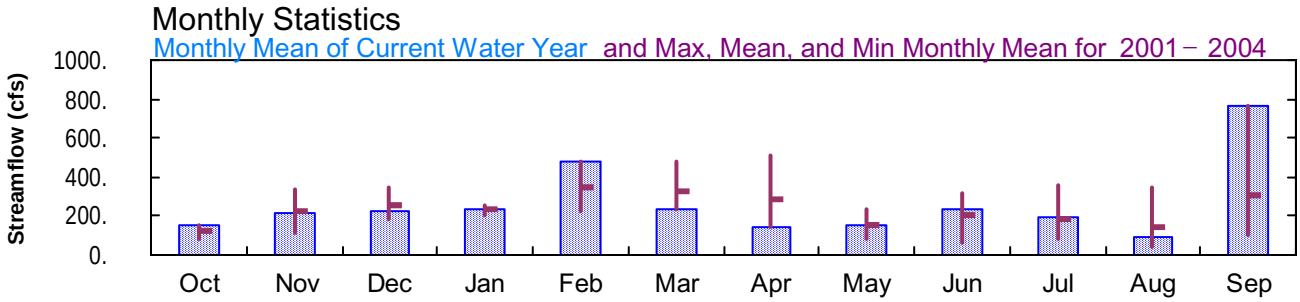
APALACHICOLA RIVER BASIN

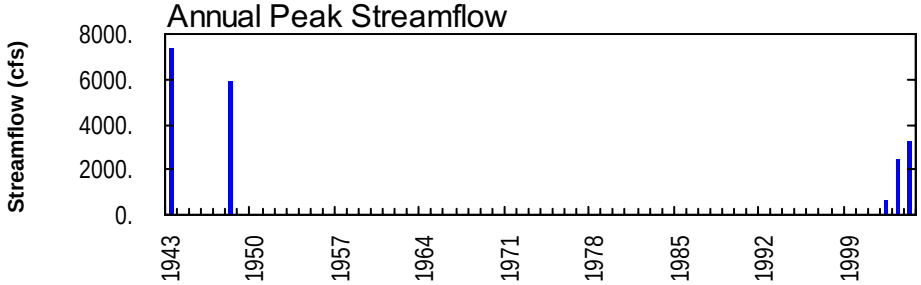
02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA

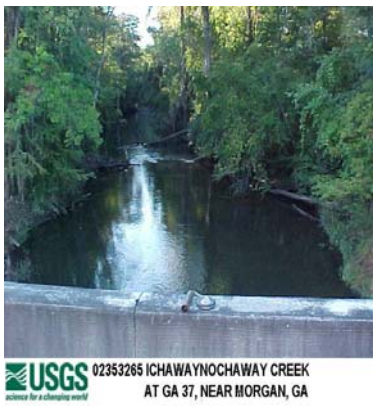
Latitude: 31°31'37" Longitude: 084°34'58" Hydrologic Unit Code: 03130009

Calhoun County Datum: 175.00 feet Drainage Area: 301. mi²









APALACHICOLA RIVER BASIN
2004 Water Year

02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA

LOCATION.—Lat 31°31'37", long 84°34'58", referenced to North American Datum (NAD) of 1983, Calhoun County, Hydrologic Unit 03130009, on GA 37, 1.1 miles east of Morgan.

DRAINAGE AREA.—301 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.59 feet, September 19; minimum gage-height recorded, 5.51 feet, August 9.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

STATION NUMBER 02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313137 LONGITUDE 0843458 NAD83 DRAINAGE AREA 301.00* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	253	275	198	310	630	169	381	95	208	68	73
2	136	204	247	197	256	382	163	444	119	242	57	90
3	132	181	213	196	246	346	156	440	131	329	49	112
4	130	169	202	193	243	318	150	450	144	383	38	111
5	128	165	203	195	240	299	147	432	145	286	33	118
6	128	163	213	201	288	285	142	304	144	202	30	201
7	130	169	217	204	531	274	135	182	130	158	28	422
8	137	182	206	198	861	263	139	146	126	408	23	719
9	141	185	196	190	596	249	155	122	167	363	21	945
10	143	174	192	192	444	234	157	101	143	447	28	1260
11	153	165	202	203	305	221	156	93	130	482	93	1260
12	169	160	218	208	399	216	152	92	114	304	220	939
13	181	157	230	200	618	209	154	93	109	175	198	508
14	181	154	274	192	849	204	164	95	145	140	325	376
15	170	152	298	189	878	205	181	87	237	125	352	261
16	158	148	301	188	839	206	174	77	307	138	192	859
17	147	150	280	186	648	208	154	67	321	201	131	2920
18	141	154	245	190	533	210	138	61	702	170	112	2900
19	138	255	233	204	442	207	125	63	487	191	96	2940
20	138	384	222	230	352	198	119	73	286	164	80	1790
21	137	388	206	234	318	190	115	83	164	137	69	852
22	134	373	195	208	295	182	113	104	170	112	65	585
23	131	311	189	188	284	177	105	99	246	89	71	372
24	125	233	201	181	293	167	97	96	363	71	84	265
25	124	207	211	182	305	162	97	93	381	59	93	273
26	126	198	223	200	462	165	96	76	293	56	80	244
27	142	194	228	302	566	168	103	61	323	58	69	297
28	171	221	214	377	792	165	123	54	325	89	60	381
29	261	295	200	469	855	164	144	45	292	102	51	408
30	292	277	197	609	---	164	182	39	241	96	55	448
31	293	---	197	526	---	169	---	37	---	82	65	---
TOTAL	4860	6421	6928	7430	14048	7237	4205	4590	6980	6067	2936	22929
MEAN	157	214	223	240	484	233	140	148	233	196	94.7	764
MAX	293	388	301	609	878	630	182	450	702	482	352	2940
MIN	124	148	189	181	240	162	96	37	95	56	21	73
MED	141	183	213	198	442	207	145	93	168	164	69	415
AC-FT	9640	12740	13740	14740	27860	14350	8340	9100	13840	12030	5820	45480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	125	222	253	234	343	324	286	155	203	183	139	303
MAX	157	340	348	255	484	480	510	240	312	362	350	764
(WY)	2004	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2004
MIN	77.7	111	187	207	224	233	140	77.6	60.4	81.0	39.3	105
(WY)	2002	2002	2002	2002	2002	2004	2004	2002	2002	2001	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	110719		94631			
ANNUAL MEAN	303		259		239	
HIGHEST ANNUAL MEAN					323	2003
LOWEST ANNUAL MEAN					137	2002
HIGHEST DAILY MEAN	2090	Apr 9	2940	Sep 19	2940	Sep 19 2004
LOWEST DAILY MEAN	54	Jan 27	21	Aug 9	21	Aug 9 2004
ANNUAL SEVEN-DAY MINIMUM	122	Jun 26	29	Aug 4	24	Aug 10 2002
MAXIMUM PEAK FLOW			3280	Sep 19	3280	Sep 19 2004
MAXIMUM PEAK STAGE			13.59	Sep 19	13.59	Sep 19 2004
INSTANTANEOUS LOW FLOW			20	Aug 9	20	Aug 9 2004
ANNUAL RUNOFF (AC-FT)	219600		187700		173500	
10 PERCENT EXCEEDS	511		445		456	
50 PERCENT EXCEEDS	233		190		186	
90 PERCENT EXCEEDS	139		81		65	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313137 LONGITUDE 0843458 NAD83 DRAINAGE AREA 301.00* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.11	8.14	8.32	7.68	8.57	10.18	7.37	9.04	6.52	7.76	6.24	6.31
2	7.03	7.73	8.10	7.67	8.17	9.06	7.30	9.45	6.81	8.01	6.11	6.50
3	6.98	7.53	7.82	7.66	8.09	8.82	7.22	9.43	6.94	8.70	5.99	6.74
4	6.96	7.42	7.72	7.64	8.06	8.62	7.16	9.49	7.08	9.07	5.84	6.73
5	6.93	7.38	7.73	7.65	8.04	8.49	7.11	9.38	7.09	8.38	5.76	6.80
6	6.94	7.36	7.82	7.71	8.38	8.38	7.06	8.50	7.09	7.70	5.71	7.70
7	6.96	7.42	7.85	7.73	9.83	8.30	6.97	7.50	6.92	7.25	5.67	9.30
8	7.04	7.54	7.76	7.69	10.83	8.22	7.02	7.11	6.88	9.19	5.57	10.46
9	7.09	7.56	7.66	7.61	10.12	8.11	7.21	6.84	7.34	8.93	5.54	11.01
10	7.11	7.46	7.63	7.63	9.42	7.99	7.24	6.63	7.07	9.46	5.67	11.58
11	7.23	7.38	7.72	7.73	8.53	7.88	7.23	6.54	6.93	9.66	6.52	11.57
12	7.41	7.32	7.86	7.77	9.16	7.84	7.17	6.52	6.76	8.50	7.77	10.97
13	7.53	7.29	7.96	7.70	10.15	7.78	7.19	6.54	6.71	7.43	7.64	9.75
14	7.53	7.25	8.31	7.63	10.81	7.73	7.31	6.55	7.09	7.04	8.67	9.02
15	7.43	7.22	8.49	7.61	10.87	7.74	7.49	6.47	8.00	6.88	8.86	8.14
16	7.30	7.18	8.51	7.60	10.78	7.75	7.42	6.35	8.54	7.02	7.58	10.47
17	7.17	7.20	8.35	7.57	10.29	7.77	7.19	6.23	8.64	7.70	6.94	13.32
18	7.10	7.25	8.08	7.61	9.89	7.79	7.01	6.16	10.35	7.38	6.74	13.33
19	7.06	8.14	7.98	7.73	9.43	7.76	6.88	6.19	9.60	7.59	6.57	13.35
20	7.05	9.08	7.89	7.96	8.86	7.67	6.81	6.30	8.38	7.31	6.39	12.28
21	7.03	9.10	7.75	7.99	8.62	7.58	6.76	6.43	7.30	7.01	6.26	10.77
22	7.00	9.01	7.66	7.77	8.46	7.50	6.75	6.65	7.37	6.73	6.21	10.08
23	6.96	8.57	7.61	7.60	8.37	7.45	6.66	6.60	8.08	6.49	6.28	8.96
24	6.90	7.98	7.71	7.53	8.44	7.35	6.58	6.56	8.93	6.28	6.43	8.23
25	6.89	7.76	7.80	7.54	8.53	7.29	6.58	6.54	9.05	6.13	6.53	8.29
26	6.91	7.68	7.90	7.69	9.53	7.32	6.57	6.34	8.44	6.10	6.39	8.07
27	7.11	7.65	7.94	8.51	10.02	7.35	6.64	6.16	8.66	6.12	6.26	8.46
28	7.42	7.87	7.82	9.03	10.67	7.32	6.85	6.07	8.67	6.49	6.14	9.05
29	8.20	8.46	7.70	9.56	10.82	7.31	7.09	5.94	8.43	6.63	6.02	9.23
30	8.44	8.33	7.67	10.17	---	7.31	7.49	5.85	8.05	6.57	6.08	9.47
31	8.45	---	7.67	9.81	---	7.37	---	5.83	---	6.41	6.21	---
MEAN	7.23	7.78	7.90	7.96	9.37	7.90	7.04	6.97	7.79	7.48	6.47	9.53
MAX	8.45	9.10	8.51	10.17	10.87	10.18	7.49	9.49	10.35	9.66	8.86	13.35
MIN	6.89	7.18	7.61	7.53	8.04	7.29	6.57	5.83	6.52	6.10	5.54	6.31

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313137 LONGITUDE 0843458 NAD83 DRAINAGE AREA 301.00* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.37	0.15	0.00	0.47
2	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.53	0.94	3.29	0.09	0.12
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.01	0.00	0.00
4	0.00	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.02	0.01	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	2.01	0.02	0.00	0.00	0.00	0.00	0.00	3.93
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.95	0.00	0.30
8	0.00	0.00	0.00	0.01	0.00	0.00	0.59	0.00	0.42	0.84	0.00	0.01
9	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.25	0.00	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.00	1.66	0.12
11	0.11	0.00	0.00	0.00	0.39	0.00	0.00	0.09	0.00	0.00	1.03	1.13
12	0.06	0.00	0.00	0.00	1.16	0.00	0.10	0.07	0.00	0.01	0.19	0.00
13	0.00	0.00	0.67	0.00	0.01	0.00	0.30	0.00	0.57	0.00	0.00	0.14
14	0.00	0.00	0.31	0.00	1.22	0.00	0.00	0.00	0.71	0.00	0.00	0.04
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.69	0.00	0.10
16	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.06	1.15	0.05	4.07
17	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.30	0.02	0.00	0.03
18	0.00	1.09	0.00	0.07	0.00	0.00	0.00	0.02	0.00	0.37	0.00	0.00
19	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.60	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00
23	0.00	0.00	0.25	0.00	0.29	0.00	0.00	0.00	0.57	0.00	0.00	0.00
24	0.00	0.00	0.00	0.06	0.04	0.00	0.00	0.00	0.02	0.00	0.35	0.00
25	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.16	0.00	0.00	0.00
26	0.35	0.00	0.00	0.85	0.38	0.00	0.15	0.00	1.08	0.70	0.00	0.10
27	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	1.24
28	0.82	0.65	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00
29	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.10	0.00	---	0.16	3.27	0.00	0.00	0.00	0.18	0.00
31	0.00	---	0.00	0.00	---	0.04	---	0.06	---	0.00	0.01	---
TOTAL	1.61	2.57	1.54	1.34	6.54	0.24	4.41	2.84	8.15	9.91	3.59	11.80

APALACHICOLA RIVER BASIN
2004 Water Year

02353330 PACHITLA CREEK AT FOUNTAIN BRIDGE ROAD, NEAR CARNEGIE, GA

LOCATION.—Lat 31°39'50", long 84°41'15", referenced to North American Datum (NAD) of 1983, Randolph County, Hydrologic Unit 03130009, located at bridge crossing on County Road 35 (Fountain Bridge Road), 7.6 miles upstream of GA 37.

DRAINAGE AREA.—58.6 square miles.

REMARKS.—Datum of gage is 270.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
14...	02353330	20040414	1100	1028	80020	8.19	50	40	--	762	9.3	88
MAY												
18...	02353330	20040518	0940	1028	80020	7.53	25	40	22	762	7.9	89

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
14...	6.1	40	12.7	--	--	.05	.74	<.008	--	<.006	.030	1.05	--
MAY													
18...	6.6	39	21.1	6.7	8	.04	.91	E.004	.11	<.006	.026	1.26	1.5

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
14...	--	--	--	--	--	--	1006	15.00	3044	1
MAY										
18...	1.5	3.3	1.3	.4	96	19	1006	15.00	3045	1

02353330 PACHITLA CREEK AT FOUNTAIN BRIDGE ROAD, NEAR CARNEGIE, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass periphyton, ashfree drymass g/m2 (49954)	Biomass periphyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass periphyton, ash weight, DTH, g/m2 (63765)	Periphyton biomass ash weight, g/m2 (00572)	Biomass periphyton, dry weight, DTH, g/m2 (63767)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Chlorophyll a periphyton, DTH, CF meth mg/m2 (63763)	Pheophytn a periphyton, DTH, CF meth mg/m2 (63764)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
MAY													
19...	1430	80020	11.2	56.4	839	110	895	118.3	13300	2.8	7.9	1.0	.8

Remark codes used in this table:
< -- Less than
E -- Estimated value

APALACHICOLA RIVER BASIN
2004 Water Year

02353360 CARTER CREEK AT CR 20, NEAR CARNEGIE, GA

LOCATION.—Lat 31°37'22", long 84°41'54", referenced to North American Datum (NAD) of 1983, Randolph County, Hydrologic Unit 03130009, located at bridge crossing on County Road 20, 0.5 miles upstream of confluence with Pachitla Creek

DRAINAGE AREA.—58.5 square miles.

REMARKS.—Datum of gage is 250.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.—U. S. Geological Survey, National Water-Quality Assessment Program (NAWQA).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 2004 to May 2004.

Date	Station number	Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR												
14...	02353360	20040414	0915	1028	80020	3.09	40	10	--	762	8.9	84
MAY												
17...	02353360	20040517	1340	1028	80020	2.32	18	40	19	763	7.8	90

Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt Gran, field, mg/L as CaCO3 (29802)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
APR													
14...	6.4	47	12.9	--	--	.05	.34	<.008	--	E.003	.044	.76	--
MAY													
17...	6.9	52	22.6	12.0	15	.05	.92	E.004	.07	<.006	.015	1.13	1.0

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Purpose site visit, code (50280)	Sample purpose code (71999)	Sampler type, code (84164)	Type of sample related QA data, code (99111)
APR										
14...	--	--	--	--	--	--	1006	15.00	3044	30
MAY										
17...	1.0	2.3	.9	.4	95	21	1006	15.00	3045	1

02353360 CARTER CREEK AT CR 20, NEAR CARNEGIE, GA—continued.

Date	Time	Agency analyzing sample, code (00028)	Biomass periphyton, ashfree drymass g/m2 (49954)	Biomass periphyton, ashfree dry wt, DTH, g/m2 (63766)	Biomass periphyton, ash weight, DTH, g/m2 (63765)	Periphyton biomass ash weight, g/m2 (00572)	Biomass periphyton, dry weight, DTH, g/m2 (63767)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chloro-phyll ratio, periphyton, number (70950)	Chlorophyll a periphyton, DTH, CF meth mg/m2 (63763)	Pheophytn a periphyton, DTH, CF meth mg/m2 (63764)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
MAY													
19...	1130	80020	8.0	44.6	730	100	775	110.4	3940	2.0	6.2	.8	2.0

Remark codes used in this table:
< -- Less than
E -- Estimated value

2004 Water Year

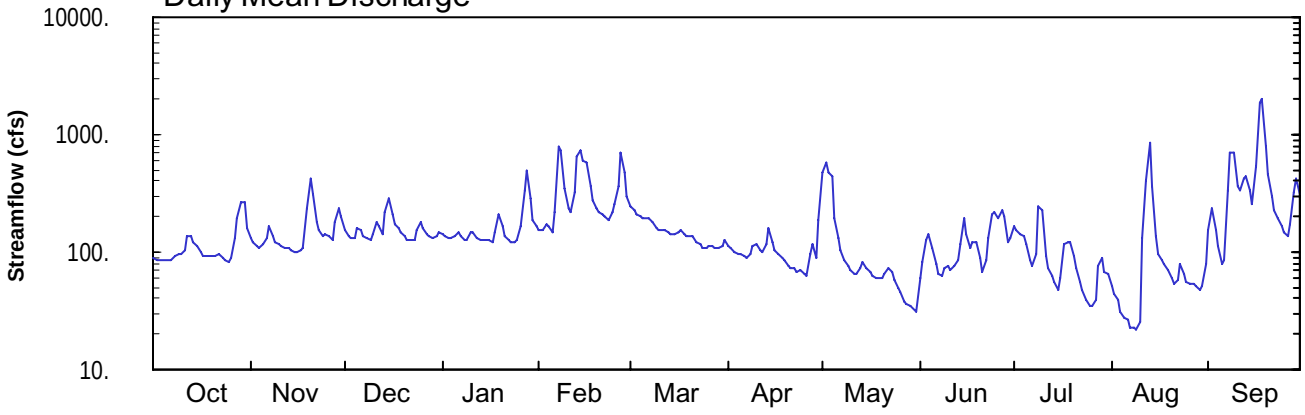
APALACHICOLA RIVER BASIN

02353400 PACHITLA CREEK NEAR EDISON, GA

Latitude: 31°33'18" Longitude: 084°40'51" Hydrologic Unit Code: 03130009

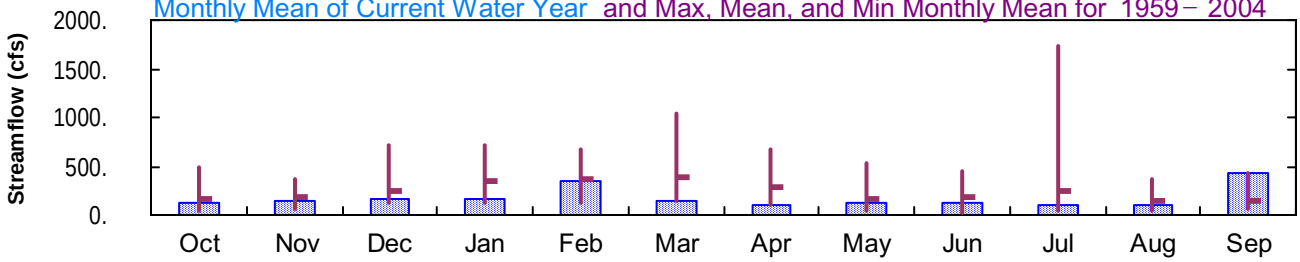
Calhoun County Datum: 212.64 feet Drainage Area: 188. mi²

Daily Mean Discharge

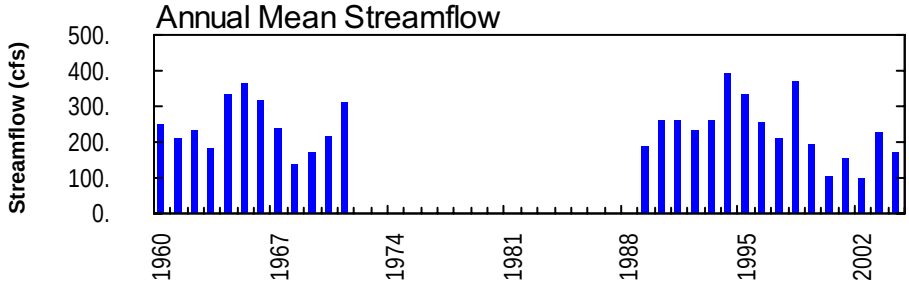


Monthly Statistics

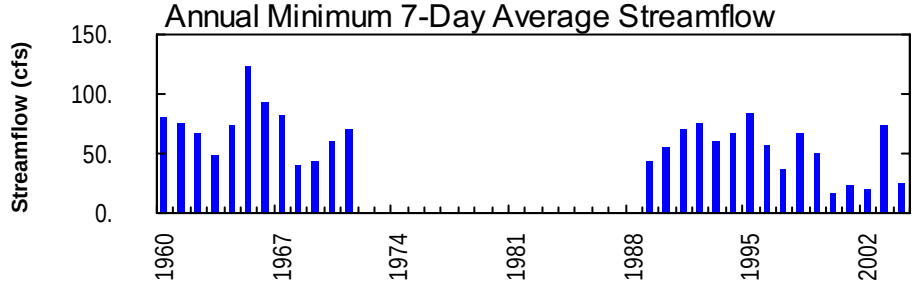
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1959 – 2004



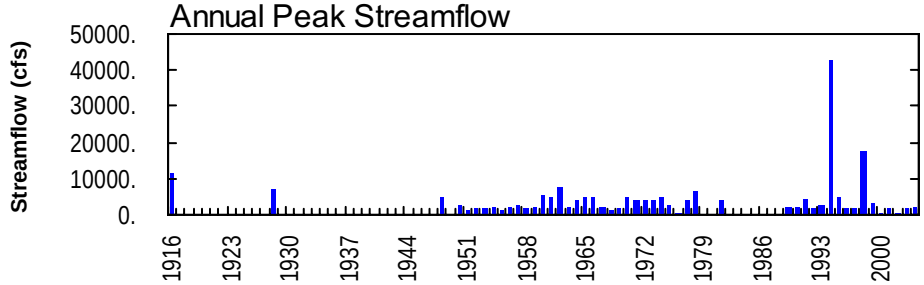
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02353400 PACHITLA CREEK NEAR EDISON, GA

LOCATION.—Lat 31°33'17", long 84°40'43", referenced to North American Datum (NAD) of 1927, Calhoun County, Hydrologic Unit 03130009, on downstream side of bridge pier on GA 37, 2.2 miles upstream from Neals Creek, 3.6 miles east of Edison, and 8.5 miles upstream from mouth.

DRAINAGE AREA.—188 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Annual maximum, water years 1950-59 and occasional low-flow measurements, 1951-58, 1972-81; June 1959 to September 1971, March 1988 to current year.

REVISED RECORDS.—WDR GA-71-1: 1960 (M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 212.64 feet above National Geodetic Vertical Datum of 1929. From March 17, 1949 to March 16, 1955, a crest-stage gage was located at same site and datum. From March 17, 1955 to June 9, 1959, a crest-stage gage was located at site 200 feet downstream at same datum.

REMARKS.—Records fair. Peak discharge estimated from flood mark.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood on July 10, 1916 reached a stage of 11.88 feet (from Georgia Department of Transportation), discharge, 11,800 cfs, from rating curve extended above 3,400 cfs on basis of slope-conveyance studies.

PEAK DISCHARGES FOR CURRENT YEAR—Peak discharges greater than base discharge of 1,100 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/18	unknown	2,400*	7.48*

No other peaks above base discharge

02353400 PACHITLA CREEK NEAR EDISON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Annual maximum, water years 1950-59; March 1988 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 212.64 feet above National Geodetic Vertical Datum of 1929. From March 17, 1949 to March 16, 1955, a crest-stage gage was located at same site and datum. From March 17, 1955 to June 9, 1959, a crest-stage gage was located at site 200 feet downstream at same datum.

REMARKS.—Records fair. Maximum gage-height measured from flood mark.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.48 feet, September 18; minimum gage-height recorded, 0.96 feet, August 8, 9.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353400 PACHITLA CREEK NEAR EDISON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313318 LONGITUDE 0844051 NAD83 DRAINAGE AREA 188.00* CONTRIBUTING DRAINAGE AREA DATUM 212.64 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	130	155	140	153	246	112	480	60	165	52	155
2	87	120	139	137	153	225	106	568	84	156	45	231
3	85	113	131	133	170	211	100	477	125	143	39	156
4	85	110	134	134	168	201	96	436	142	136	31	114
5	85	117	161	136	146	196	95	194	108	119	28	80
6	85	133	154	146	217	194	93	129	81	85	27	87
7	87	164	138	139	787	195	89	106	66	77	23	338
8	91	137	130	127	734	180	95	87	62	95	22	711
9	95	121	126	125	343	162	112	76	73	243	22	691
10	98	115	140	145	240	156	115	72	77	226	26	363
11	105	111	179	145	221	157	103	64	71	91	129	338
12	135	108	168	132	326	156	99	65	76	73	410	421
13	135	107	145	126	661	151	116	73	84	63	847	446
14	123	102	220	125	722	143	160	81	118	55	356	336
15	113	99	285	126	602	144	122	74	195	48	135	251
16	101	101	207	125	575	148	103	67	143	59	98	527
17	94	103	174	121	357	154	95	62	110	118	87	e1840
18	93	107	163	147	274	144	88	60	121	122	80	e2050
19	93	239	145	208	238	136	84	61	121	121	71	800
20	92	418	135	167	218	138	77	61	89	93	61	451
21	93	314	128	137	208	135	74	66	69	72	54	302
22	96	180	125	127	199	123	74	74	85	57	58	231
23	88	152	128	123	186	117	69	68	133	47	78	192
24	85	139	152	120	215	109	71	58	209	39	64	168
25	83	144	178	126	253	110	66	50	219	35	55	150
26	89	139	159	168	369	111	62	45	196	34	53	137
27	131	128	142	341	692	112	97	37	230	39	54	174
28	194	178	134	501	485	109	117	36	200	76	51	323
29	263	236	131	292	296	109	88	35	121	90	49	430
30	262	206	137	183	---	113	185	32	131	67	51	311
31	162	---	145	163	---	125	---	31	---	64	78	---
TOTAL	3518	4571	4788	5065	10208	4710	2963	3825	3599	2908	3234	12804
MEAN	113	152	154	163	352	152	98.8	123	120	93.8	104	427
MAX	263	418	285	501	787	246	185	568	230	243	847	2050
MIN	83	99	125	120	146	109	62	31	60	34	22	80
CFSM	0.60	0.81	0.82	0.87	1.87	0.81	0.53	0.66	0.64	0.50	0.55	2.27
IN.	0.70	0.90	0.95	1.00	2.02	0.93	0.59	0.76	0.71	0.58	0.64	2.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2004, BY WATER YEAR (WY)

MEAN	159	185	248	340	362	397	288	173	179	237	147	144
MAX	484	372	706	708	663	1038	679	533	445	1725	358	427
(WY)	1995	1995	1965	1962	1995	1998	1960	1971	1965	1994	1994	2004
MIN	46.5	67.2	114	128	122	152	98.8	37.2	28.2	38.9	34.4	52.4
(WY)	2002	2002	1989	1989	2001	2004	2004	2000	2000	2000	2000	1968

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1959 - 2004	
ANNUAL TOTAL	76043		62193			
ANNUAL MEAN	208		170		239	
HIGHEST ANNUAL MEAN					396	1994
LOWEST ANNUAL MEAN					99.1	2002
HIGHEST DAILY MEAN	1490	Apr 9	e 2050	Sep 18	13500	Jul 7 1994
LOWEST DAILY MEAN	59	Jun 2	22	Aug 8 a	15	Jun 15 2000
ANNUAL SEVEN-DAY MINIMUM	77	May 13	26	Aug 4	16	Aug 18 2000
MAXIMUM PEAK FLOW			2400	Sep 18	43000	Jul 6 1994
MAXIMUM PEAK STAGE			7.48	Sep 18	14.22	Jul 6 1994
INSTANTANEOUS LOW FLOW			22	Aug 8 a	13	Aug 13 2000
ANNUAL RUNOFF (CFSM)	1.11		0.904		1.27	
ANNUAL RUNOFF (INCHES)	15.05		12.31		17.29	
10 PERCENT EXCEEDS	381		324		457	
50 PERCENT EXCEEDS	162		126		162	
90 PERCENT EXCEEDS	90		60		72	

e Estimated
a Also Aug 9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353400 PACHITLA CREEK NEAR EDISON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313318 LONGITUDE 0844051 NAD83 DRAINAGE AREA 188.00* CONTRIBUTING DRAINAGE AREA DATUM 212.64 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.64	3.24	3.47	3.34	3.45	4.13	3.01	5.10	2.06	3.56	1.90	3.42
2	2.59	3.13	3.32	3.30	3.45	4.01	2.93	5.36	2.54	3.48	1.73	4.04
3	2.57	3.02	3.25	3.26	3.60	3.91	2.83	5.11	3.16	3.37	1.56	3.47
4	2.57	2.98	3.27	3.27	3.58	3.84	2.77	4.94	3.35	3.29	1.35	3.01
5	2.57	3.08	3.52	3.29	3.39	3.80	2.76	3.77	2.94	3.08	1.22	2.49
6	2.57	3.26	3.46	3.39	3.85	3.79	2.72	3.24	2.50	2.58	1.19	2.56
7	2.60	3.55	3.32	3.32	5.78	3.80	2.65	2.91	2.21	2.44	1.03	4.53
8	2.68	3.30	3.24	3.20	5.70	3.68	2.74	2.62	2.12	2.74	1.02	5.69
9	2.75	3.14	3.20	3.18	4.61	3.54	3.02	2.42	2.36	4.08	1.01	5.64
10	2.79	3.06	3.33	3.38	4.10	3.48	3.06	2.33	2.44	3.90	1.14	4.66
11	2.91	2.99	3.67	3.38	3.97	3.48	2.87	2.18	2.31	2.69	3.04	4.58
12	3.28	2.96	3.58	3.26	4.52	3.48	2.81	2.20	2.42	2.35	4.76	4.93
13	3.28	2.94	3.38	3.20	5.57	3.43	3.04	2.35	2.57	2.14	5.92	5.02
14	3.17	2.87	3.96	3.19	5.71	3.36	3.52	2.51	3.02	1.97	4.59	4.58
15	3.03	2.81	4.34	3.20	5.44	3.37	3.13	2.38	3.79	1.82	3.26	4.16
16	2.84	2.85	3.88	3.19	5.37	3.41	2.88	2.23	3.36	2.05	2.79	4.95
17	2.73	2.88	3.63	3.15	4.68	3.46	2.75	2.13	2.98	3.09	2.62	---
18	2.72	2.94	3.54	3.39	4.29	3.38	2.63	2.08	3.14	3.14	2.48	---
19	2.71	4.05	3.38	3.88	4.09	3.30	2.56	2.10	3.13	3.12	2.33	5.85
20	2.70	4.92	3.28	3.57	3.96	3.32	2.43	2.10	2.64	2.71	2.10	5.01
21	2.72	4.46	3.21	3.30	3.90	3.28	2.38	2.21	2.26	2.34	1.94	4.43
22	2.77	3.68	3.19	3.21	3.82	3.16	2.38	2.38	2.57	2.00	2.03	4.04
23	2.64	3.44	3.22	3.16	3.73	3.08	2.27	2.26	3.26	1.78	2.45	3.77
24	2.57	3.32	3.45	3.14	3.93	2.97	2.32	2.04	3.89	1.58	2.17	3.58
25	2.55	3.38	3.66	3.20	4.18	2.98	2.21	1.84	3.96	1.45	1.97	3.43
26	2.65	3.32	3.51	3.56	4.70	2.99	2.13	1.73	3.80	1.44	1.93	3.30
27	3.22	3.22	3.35	4.59	5.65	3.02	2.77	1.52	4.04	1.56	1.95	3.61
28	3.79	3.65	3.28	5.18	5.11	2.97	3.07	1.48	3.82	2.36	1.87	4.51
29	4.22	4.07	3.25	4.34	4.40	2.97	2.62	1.47	3.12	2.65	1.82	4.97
30	4.21	3.87	3.31	3.70	---	3.03	3.60	1.38	3.22	2.24	1.87	4.46
31	3.52	---	3.39	3.54	---	3.19	---	1.34	---	2.18	2.44	---
MEAN	2.92	3.35	3.45	3.46	4.43	3.41	2.76	2.57	2.97	2.55	2.24	---
MAX	4.22	4.92	4.34	5.18	5.78	4.13	3.60	5.36	4.04	4.08	5.92	---
MIN	2.55	2.81	3.19	3.14	3.39	2.97	2.13	1.34	2.06	1.44	1.01	---

2004 Water Year

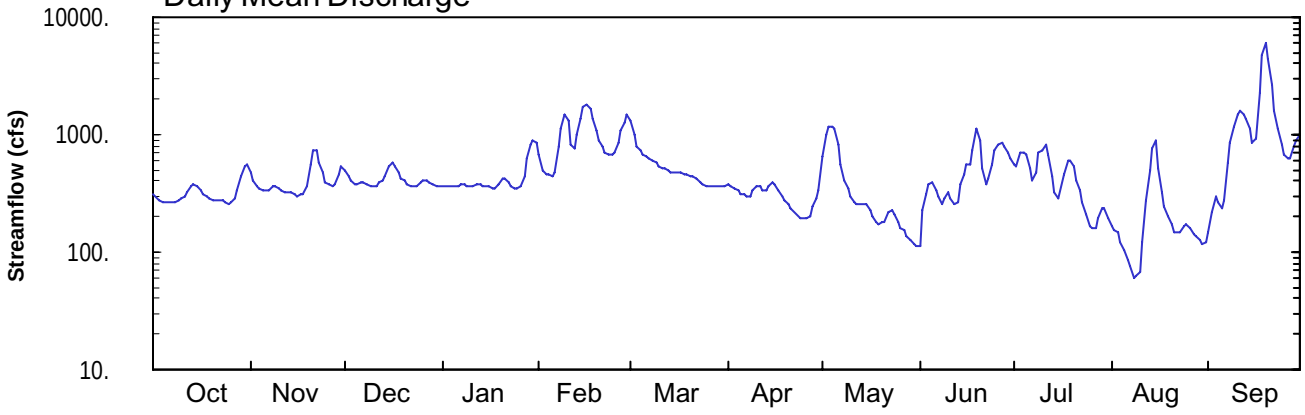
APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA

Latitude: 31°22'58" Longitude: 084°32'47" Hydrologic Unit Code: 03130009

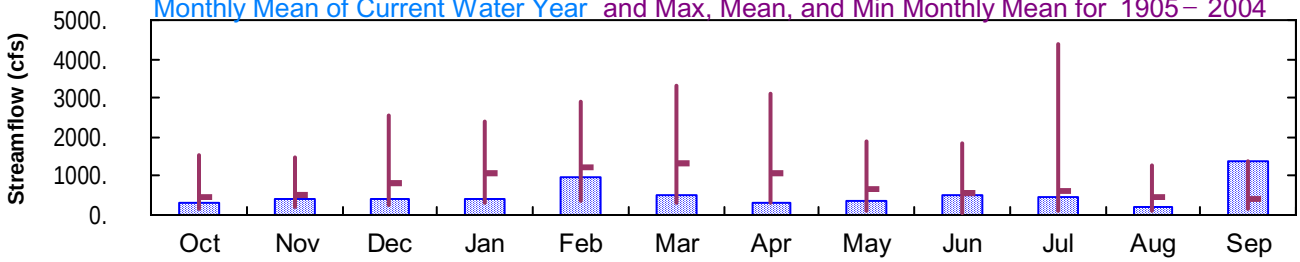
Baker County Datum: 150.30 feet Drainage Area: 620. mi²

Daily Mean Discharge

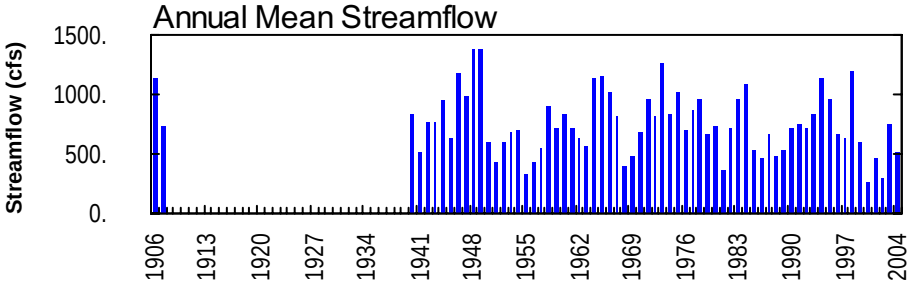


Monthly Statistics

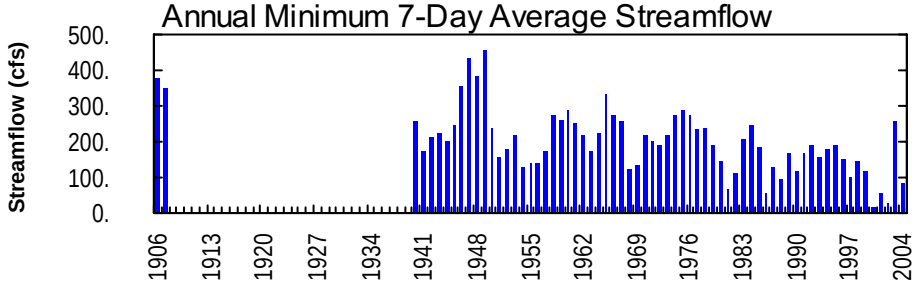
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1905 – 2004



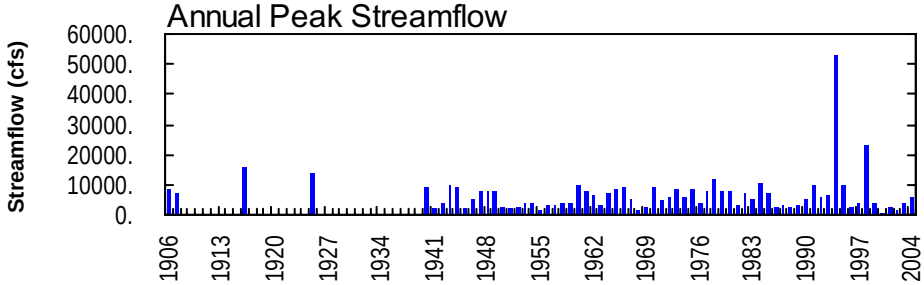
Annual Mean Streamflow

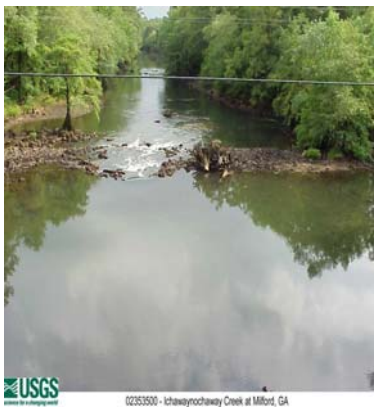


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2004 Water Year

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA

LOCATION.—Lat 31°22'58", long 84°32'52", referenced to North American Datum (NAD) of 1927, Baker County, Hydrologic Unit 03130009, on downstream end of left bank pier of bridge on GA 216 at Milford, 2.2 miles upstream from Alligator Creek, and 5.5 miles upstream from Chickasawhatchee Creek.

DRAINAGE AREA.—620 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1905 to December 1907, October 1939 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 150.3 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From August 29, 1905 to December 31, 1907, a non-recording gage was located at several sites within 450.00 feet of present site at various datums. From October 1, 1939 to November 10, 1941, a non-recording gage was located at site 100.00 feet downstream at present datum.

REMARKS.—Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation occurs at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in July 1916 reached a stage of 17.2 feet, from information by local resident; discharge, 15,500 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
09/19	0315	6,190*	10.05*

No other peaks above base discharge

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1905 to December 1907, October 1939 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 150.3 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From August 29, 1905 to December 31, 1907, a non-recording gage was located at several sites within 450.00 feet of present site at various datums. From October 1, 1939 to November 10, 1941, a non-recording gage was located at site 100.00 feet downstream at present datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.05 feet, September 19; minimum gage-height recorded, 0.19 feet, August 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 7, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312258 LONGITUDE 0843247 NAD83 DRAINAGE AREA 620.00* CONTRIBUTING DRAINAGE AREA DATUM 150.30 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	312	482	497	367	687	1330	384	660	113	564	164	149
2	289	408	445	367	490	1020	368	1010	224	539	152	220
3	275	363	400	366	452	800	351	1180	312	712	145	300
4	264	343	375	365	451	727	330	1180	384	699	123	270
5	262	333	371	366	443	681	311	1100	395	672	103	237
6	262	333	386	367	471	653	308	832	330	522	85	274
7	264	341	391	372	789	631	294	548	298	412	77	571
8	266	365	379	370	1110	608	298	413	255	483	61	870
9	274	359	369	366	1500	572	329	342	290	715	64	1170
10	282	345	364	360	1340	545	356	299	317	721	68	1450
11	300	331	367	369	827	518	356	261	288	812	122	1580
12	325	323	396	376	750	505	340	253	255	672	281	1470
13	365	321	408	370	1010	494	336	251	265	432	491	1380
14	374	317	438	363	1350	477	358	253	370	327	764	1100
15	356	309	534	359	1730	470	398	252	454	283	887	847
16	333	304	587	358	1770	470	379	224	562	341	515	941
17	310	305	534	355	1650	471	340	201	565	464	322	2280
18	293	311	468	355	1390	465	304	179	729	610	242	4820
19	282	361	430	370	1080	454	278	173	1120	591	200	5920
20	279	558	405	417	900	440	258	178	895	543	173	4410
21	277	730	381	416	780	434	233	183	509	412	150	2700
22	275	737	369	387	711	417	214	215	373	332	146	1610
23	274	578	364	364	666	397	212	228	428	268	148	1140
24	266	468	366	351	671	380	197	209	555	207	169	812
25	259	398	385	349	706	356	194	176	744	168	170	686
26	266	377	411	358	845	357	194	163	832	161	161	636
27	283	369	412	441	1080	361	202	151	840	157	144	635
28	339	370	396	628	1280	365	246	137	803	195	137	787
29	435	463	375	822	1500	357	284	125	717	235	128	903
30	538	531	367	893	---	356	334	117	623	239	117	982
31	561	---	367	847	---	361	---	111	---	192	121	---
TOTAL	9740	12133	12737	13214	28429	16472	8986	11604	14845	13680	6630	41150
MEAN	314	404	411	426	980	531	300	374	495	441	214	1372
MAX	561	737	587	893	1770	1330	398	1180	1120	812	887	5920
MIN	259	304	364	349	443	356	194	111	113	157	61	149
CFSM	0.51	0.65	0.66	0.69	1.58	0.86	0.48	0.60	0.80	0.71	0.34	2.21
IN.	0.58	0.73	0.76	0.79	1.71	0.99	0.54	0.70	0.89	0.82	0.40	2.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2004, BY WATER YEAR (WY)

MEAN	445	498	801	1063	1231	1340	1060	668	541	616	477	419
MAX	1507	1461	2547	2383	2891	3336	3094	1871	1837	4382	1270	1372
(WY)	1995	1948	1949	1964	1973	1998	1944	1971	1906	1994	1948	2004
MIN	138	210	241	304	371	315	300	124	41.7	96.6	87.2	145
(WY)	2001	2002	1956	1956	2001	1955	2004	2000	2000	1986	2000	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1905 - 2004	
ANNUAL TOTAL	251033		189620			
ANNUAL MEAN	688		518		759	
HIGHEST ANNUAL MEAN					1391	1948
LOWEST ANNUAL MEAN					275	2000
HIGHEST DAILY MEAN	3930	Apr 10	5920	Sep 19	30000	Jul 7 1994
LOWEST DAILY MEAN	245	Jun 29	61	Aug 8	6.6	Aug 22 2000
ANNUAL SEVEN-DAY MINIMUM	267	Oct 3	83	Aug 5	17	Aug 27 2000
MAXIMUM PEAK FLOW			6190	Sep 19	53000	Jul 7 1994
MAXIMUM PEAK STAGE			10.05	Sep 19	23.20	Jul 7 1994
INSTANTANEOUS LOW FLOW			57	Aug 8	5.0	Aug 14 1986
ANNUAL RUNOFF (CFSM)	1.11		0.836		1.22	
ANNUAL RUNOFF (INCHES)	15.06		11.38		16.63	
10 PERCENT EXCEEDS	1240		901		1500	
50 PERCENT EXCEEDS	538		369		535	
90 PERCENT EXCEEDS	304		177		228	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312258 LONGITUDE 0843247 NAD83 DRAINAGE AREA 620.00* CONTRIBUTING DRAINAGE AREA DATUM 150.30 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.42	1.71	1.74	1.55	1.96	2.89	1.54	1.92	0.68	1.81	1.01	0.92
2	1.38	1.60	1.67	1.54	1.73	2.36	1.51	2.35	1.18	1.77	0.94	1.20
3	1.34	1.52	1.61	1.54	1.68	2.08	1.48	2.60	1.40	1.99	0.90	1.38
4	1.30	1.48	1.57	1.54	1.68	2.00	1.44	2.59	1.53	1.97	0.75	1.32
5	1.30	1.45	1.56	1.54	1.67	1.95	1.40	2.48	1.55	1.94	0.60	1.24
6	1.29	1.45	1.58	1.55	1.71	1.92	1.39	2.12	1.44	1.75	0.45	1.31
7	1.30	1.47	1.59	1.56	2.07	1.89	1.37	1.78	1.37	1.58	0.37	1.81
8	1.31	1.52	1.57	1.56	2.49	1.86	1.37	1.58	1.28	1.68	0.22	2.17
9	1.34	1.51	1.55	1.54	3.24	1.82	1.43	1.46	1.36	1.99	0.24	2.59
10	1.35	1.48	1.53	1.52	2.92	1.78	1.49	1.37	1.41	2.00	0.28	3.14
11	1.39	1.45	1.54	1.55	2.12	1.74	1.49	1.30	1.35	2.10	0.74	3.43
12	1.44	1.42	1.60	1.57	2.03	1.72	1.46	1.28	1.28	1.94	1.33	3.18
13	1.51	1.41	1.62	1.56	2.34	1.71	1.45	1.27	1.30	1.61	1.70	2.99
14	1.52	1.40	1.66	1.53	2.93	1.68	1.49	1.28	1.51	1.43	2.04	2.48
15	1.50	1.39	1.79	1.52	3.76	1.68	1.56	1.28	1.65	1.34	2.19	2.14
16	1.45	1.37	1.85	1.52	3.85	1.68	1.53	1.21	1.80	1.46	1.73	2.32
17	1.40	1.37	1.79	1.51	3.58	1.68	1.45	1.15	1.81	1.66	1.42	4.77
18	1.37	1.39	1.70	1.51	3.01	1.67	1.39	1.09	2.01	1.86	1.25	8.43
19	1.35	1.52	1.65	1.55	2.45	1.65	1.33	1.06	2.52	1.84	1.15	9.75
20	1.33	1.82	1.61	1.63	2.20	1.63	1.29	1.08	2.21	1.78	1.06	7.96
21	1.33	2.01	1.58	1.63	2.06	1.62	1.23	1.11	1.73	1.58	0.93	5.50
22	1.32	2.02	1.55	1.59	1.98	1.59	1.19	1.19	1.52	1.44	0.90	3.48
23	1.31	1.84	1.53	1.53	1.93	1.56	1.18	1.22	1.61	1.31	0.91	2.54
24	1.29	1.70	1.54	1.50	1.94	1.53	1.14	1.17	1.79	1.17	1.04	2.10
25	1.26	1.60	1.58	1.49	1.98	1.48	1.13	1.08	2.02	1.03	1.04	1.96
26	1.28	1.57	1.62	1.52	2.14	1.49	1.13	1.00	2.12	0.99	0.99	1.90
27	1.33	1.55	1.62	1.66	2.44	1.50	1.15	0.93	2.13	0.97	0.89	1.90
28	1.46	1.55	1.60	1.90	2.79	1.50	1.26	0.84	2.09	1.13	0.84	2.07
29	1.64	1.70	1.57	2.10	3.25	1.49	1.35	0.77	1.99	1.24	0.79	2.20
30	1.78	1.79	1.55	2.18	---	1.49	1.44	0.71	1.88	1.25	0.71	2.31
31	1.81	---	1.54	2.13	---	1.49	---	0.67	---	1.12	0.74	---
MEAN	1.40	1.57	1.61	1.62	2.41	1.75	1.37	1.39	1.65	1.57	0.97	3.02
MAX	1.81	2.02	1.85	2.18	3.85	2.89	1.56	2.60	2.52	2.10	2.19	9.75
MIN	1.26	1.37	1.53	1.49	1.67	1.48	1.13	0.67	0.68	0.97	0.22	0.92

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312258 LONGITUDE 0843247 NAD83 DRAINAGE AREA 620.00* CONTRIBUTING DRAINAGE AREA DATUM 150.30 NGVD29

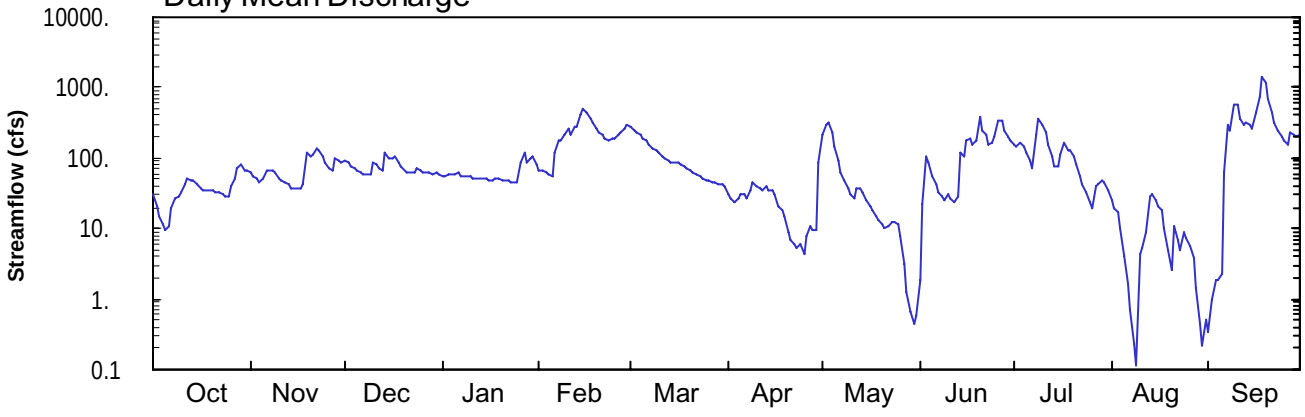
Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.01	0.01	0.09	0.00	0.00	0.55	0.20	0.03	0.00	0.45
2	0.00	0.00	0.00	0.00	0.17	0.00	0.00	1.01	0.44	0.06	0.08	0.49
3	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.46	0.01	0.00	0.01
4	0.00	0.29	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
6	0.00	0.01	0.00	0.01	1.58	0.07	0.00	0.00	0.00	0.00	0.00	4.01
7	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.08	0.00	0.23
8	0.01	0.00	0.01	0.01	0.00	0.00	1.13	0.00	0.14	0.41	0.00	0.00
9	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.06	0.00	0.72	0.00	0.08	0.00	0.00	0.00	0.14	0.00	0.69	0.00
11	0.53	0.00	0.00	0.00	0.37	0.00	0.00	0.64	0.01	0.00	0.21	1.45
12	0.11	0.00	0.00	0.00	0.89	0.00	0.07	0.01	0.01	0.00	0.19	0.00
13	0.00	0.00	0.56	0.00	0.00	0.00	0.23	0.00	1.71	0.00	0.00	0.15
14	0.01	0.00	0.35	0.00	1.37	0.00	0.01	0.00	0.68	0.00	0.00	0.33
15	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.19	0.87	0.00	0.34
16	0.00	0.00	0.04	0.00	0.00	0.06	0.00	0.00	1.90	0.43	0.04	2.79
17	0.02	0.00	0.04	0.07	0.00	0.00	0.00	0.00	1.59	0.00	0.01	0.01
18	0.00	1.09	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00
19	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.01	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.61	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
23	0.00	0.00	0.25	0.00	0.40	0.00	0.00	0.00	0.65	0.00	0.70	0.00
24	0.00	0.38	0.02	0.03	0.21	0.00	0.00	0.00	0.03	0.00	0.03	0.00
25	0.03	0.00	0.00	0.01	0.38	0.00	0.00	0.00	0.58	0.03	0.00	0.00
26	0.72	0.00	0.00	1.02	0.28	0.00	0.16	0.00	1.57	0.00	0.00	0.17
27	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.06	0.00	1.24
28	1.08	0.76	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
29	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.08	0.02	0.00	0.00
30	0.00	0.00	0.09	0.00	---	0.11	2.68	0.00	0.01	0.00	0.63	0.00
31	0.00	---	0.00	0.00	---	0.01	---	0.25	---	0.00	0.16	---
TOTAL	2.71	2.95	2.25	1.74	5.86	0.25	4.28	3.19	10.69	2.51	3.35	11.78

02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA

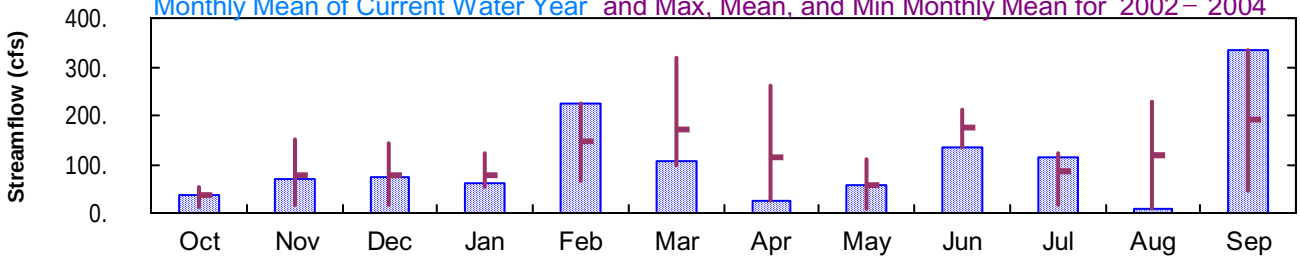
Latitude: 31°30'13" Longitude: 084°25'50" Hydrologic Unit Code: 03130009
Calhoun County Datum: 173.00 feet Drainage Area: 157. mi²

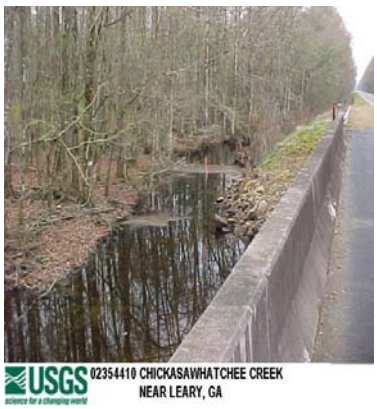
Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004





APALACHICOLA RIVER BASIN
2004 Water Year

02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA

LOCATION.—Lat 31°30'13", long 84°25'50", referenced to North American Datum (NAD) of 1927, Calhoun County, Hydrologic Unit 03130009, on GA 62, 5.2 miles east of Leary.

DRAINAGE AREA.—157 square miles.

COOPERATION.—Albany-Dougherty Planning Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 4, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 180.27 feet above National Adjusted Vertical Datum (NAVD) of 1988. Prior to October 1, 2002, datum of gage was 173.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Periods of no flow occur occasionally during the water year.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 4, 2001 to current year.

GAGE.— Satellite telemetry with a water-stage recorder. Datum of gage is 180.27 feet above National Adjusted Vertical Datum (NAVD) of 1988. Prior to October 1, 2002, datum of gage was 173.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Periods of no flow occur occasionally during the water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.02 feet, September 18; minimum gage-height recorded, 4.54 feet, September 9, 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 4, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313013 LONGITUDE 0842550 NAD83 DRAINAGE AREA 157* CONTRIBUTING DRAINAGE AREA DATUM 173.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	63	93	57	68	271	30	213	1.8	156	25	0.34
2	21	55	88	56	65	246	27	301	23	150	20	0.99
3	15	50	75	57	64	228	24	326	106	161	17	1.9
4	11	47	72	57	59	209	26	225	88	146	10	1.9
5	9.2	52	69	59	57	187	30	141	56	122	4.0	2.3
6	11	66	64	62	121	172	30	91	43	95	1.6	61
7	20	67	60	55	176	156	27	63	34	70	0.70	303
8	27	66	60	54	176	141	36	48	28	218	0.23	238
9	28	62	58	57	220	129	44	37	26	363	0.11	559
10	32	52	85	56	254	118	41	30	30	290	4.5	557
11	43	48	83	53	219	106	38	26	27	235	5.2	365
12	50	46	69	53	286	97	35	37	23	159	9.0	297
13	49	44	68	53	281	90	39	37	28	108	28	320
14	48	38	118	51	417	86	35	32	118	78	31	306
15	42	37	101	51	508	85	35	25	108	78	25	262
16	37	37	98	48	427	86	30	21	173	114	20	427
17	36	38	103	47	354	81	20	18	187	164	19	722
18	35	42	85	53	310	75	18	15	158	129	10	1380
19	34	124	75	50	265	71	15	13	174	125	4.8	1150
20	34	105	68	47	233	68	9.1	11	378	106	2.6	712
21	33	115	63	48	210	63	7.0	10	242	79	10	454
22	33	137	61	47	187	58	5.9	11	210	57	6.9	317
23	31	127	61	45	178	55	5.4	12	154	42	4.9	242
24	29	104	70	44	190	52	6.0	13	164	33	8.9	198
25	28	86	66	46	188	50	4.4	12	196	24	7.3	172
26	40	73	64	85	215	48	7.9	8.0	346	20	5.8	153
27	52	68	64	117	231	46	11	3.2	341	39	3.7	235
28	71	99	63	88	269	44	9.5	1.3	247	41	1.4	219
29	83	94	60	99	290	43	9.5	0.66	204	47	0.45	204
30	68	85	64	104	---	44	87	0.46	172	45	0.22	220
31	65	---	59	80	---	40	---	0.57	---	34	0.50	---
TOTAL	1145.2	2127	2287	1879	6518	3245	742.7	1782.19	4085.8	3528	287.81	10080.43
MEAN	36.9	70.9	73.8	60.6	225	105	24.8	57.5	136	114	9.28	336
MAX	83	137	118	117	508	271	87	326	378	363	31	1380
MIN	9.2	37	58	44	57	40	4.4	0.46	1.8	20	0.11	0.34
CFSM	0.24	0.45	0.47	0.39	1.43	0.67	0.16	0.37	0.87	0.72	0.06	2.14
IN.	0.27	0.50	0.54	0.45	1.54	0.77	0.18	0.42	0.97	0.84	0.07	2.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	34.8	79.4	78.2	78.6	147	173	112	58.5	175	84.2	118	191
MAX	54.1	152	144	121	225	317	262	110	213	121	227	336
(WY)	2003	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2004
MIN	13.3	14.8	17.3	54.5	65.9	98.2	24.8	7.80	136	17.8	9.28	45.4
(WY)	2002	2002	2002	2002	2002	2002	2004	2002	2004	2002	2004	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	53046.2		37708.13			
ANNUAL MEAN	145		103		131	
HIGHEST ANNUAL MEAN					159	2003
LOWEST ANNUAL MEAN					103	2004
HIGHEST DAILY MEAN	1270	Apr 10	1380	Sep 18	1380	Sep 18 2004
LOWEST DAILY MEAN	9.2	Oct 5	0.11	Aug 9	0.00	Aug 19 2002
ANNUAL SEVEN-DAY MINIMUM	16	Oct 2	0.83	Aug 28	0.26	May 26 2002
MAXIMUM PEAK FLOW			1530	Sep 18	1530	Sep 18 2004
MAXIMUM PEAK STAGE			8.02	Sep 18	8.02	Sep 18 2004
INSTANTANEOUS LOW FLOW			0.06	Aug 9 a	0.00	Jun 2 2002
ANNUAL RUNOFF (CFSM)	0.926		0.656		0.836	
ANNUAL RUNOFF (INCHES)	12.57		8.93		11.35	
10 PERCENT EXCEEDS	289		243		285	
50 PERCENT EXCEEDS	93		58		82	
90 PERCENT EXCEEDS	37		8.6		21	

a Also Aug 10

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313013 LONGITUDE 0842550 NAD83 DRAINAGE AREA 157* CONTRIBUTING DRAINAGE AREA DATUM 173.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.43	5.69	5.87	5.66	5.71	6.24	5.32	6.11	4.82	5.96	5.28	4.67
2	5.33	5.64	5.85	5.66	5.69	6.19	5.30	6.30	5.08	5.94	5.22	4.78
3	5.24	5.61	5.78	5.67	5.68	6.15	5.27	6.35	5.77	5.97	5.18	4.86
4	5.17	5.58	5.76	5.66	5.65	6.10	5.29	6.14	5.69	5.92	5.08	4.86
5	5.13	5.61	5.74	5.68	5.63	6.05	5.33	5.90	5.53	5.84	4.92	4.88
6	5.16	5.70	5.71	5.70	5.88	6.00	5.33	5.71	5.44	5.73	4.80	5.38
7	5.31	5.71	5.69	5.65	6.11	5.96	5.30	5.57	5.36	5.61	4.70	6.56
8	5.40	5.71	5.68	5.64	6.10	5.90	5.37	5.47	5.31	6.12	4.61	6.40
9	5.41	5.68	5.68	5.66	6.20	5.87	5.45	5.39	5.28	6.40	4.57	7.02
10	5.45	5.62	5.82	5.66	6.26	5.82	5.42	5.33	5.33	6.28	4.77	7.03
11	5.55	5.59	5.82	5.63	6.17	5.77	5.40	5.29	5.30	6.16	4.99	6.70
12	5.61	5.57	5.75	5.63	6.30	5.74	5.38	5.39	5.26	5.96	5.08	6.55
13	5.60	5.55	5.74	5.63	6.29	5.71	5.41	5.39	5.29	5.78	5.38	6.61
14	5.59	5.51	5.97	5.62	6.48	5.69	5.38	5.35	5.82	5.65	5.41	6.58
15	5.54	5.49	5.90	5.62	6.59	5.68	5.38	5.28	5.78	5.64	5.34	6.47
16	5.49	5.50	5.89	5.59	6.50	5.69	5.32	5.24	6.00	5.80	5.29	6.76
17	5.48	5.50	5.91	5.59	6.40	5.67	5.23	5.20	6.05	5.98	5.27	7.26
18	5.48	5.53	5.84	5.63	6.32	5.64	5.20	5.15	5.96	5.87	5.12	7.90
19	5.47	5.97	5.78	5.61	6.23	5.62	5.16	5.13	5.99	5.85	4.99	7.71
20	5.46	5.90	5.74	5.59	6.16	5.59	5.06	5.10	6.43	5.77	4.90	7.24
21	5.46	5.94	5.71	5.60	6.11	5.57	5.01	5.07	6.18	5.66	5.03	6.87
22	5.45	6.01	5.69	5.59	6.05	5.54	4.98	5.09	6.10	5.53	5.03	6.60
23	5.43	5.98	5.69	5.58	6.02	5.52	4.97	5.11	5.95	5.43	4.99	6.41
24	5.41	5.90	5.75	5.57	6.05	5.50	4.99	5.12	5.98	5.36	5.09	6.29
25	5.41	5.82	5.72	5.58	6.05	5.49	4.94	5.10	6.06	5.27	5.06	6.20
26	5.51	5.75	5.71	5.78	6.12	5.48	5.03	5.03	6.36	5.22	5.02	6.13
27	5.62	5.73	5.71	5.94	6.16	5.46	5.08	4.89	6.37	5.37	4.95	6.39
28	5.73	5.88	5.70	5.82	6.24	5.45	5.06	4.77	6.19	5.43	4.81	6.35
29	5.80	5.87	5.69	5.87	6.29	5.44	5.06	4.69	6.09	5.47	4.69	6.30
30	5.72	5.83	5.71	5.89	---	5.44	5.66	4.65	6.00	5.45	4.63	6.35
31	5.70	---	5.68	5.78	---	5.42	---	4.68	---	5.37	4.71	---
MEAN	5.47	5.71	5.76	5.67	6.12	5.72	5.24	5.32	5.76	5.74	5.00	6.34
MAX	5.80	6.01	5.97	5.94	6.59	6.24	5.66	6.35	6.43	6.40	5.41	7.90
MIN	5.13	5.49	5.68	5.57	5.63	5.42	4.94	4.65	4.82	5.22	4.57	4.67

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313013 LONGITUDE 0842550 NAD83 DRAINAGE AREA 157* CONTRIBUTING DRAINAGE AREA DATUM 173.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.26	0.78	0.04	0.04	0.33
2	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.83	1.18	0.25	0.01	0.31
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.53	1.05	0.00	0.00
4	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.28	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
6	0.00	0.00	0.00	0.01	1.46	0.00	0.00	0.00	0.00	0.00	0.00	6.43
7	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.41
8	0.01	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00	1.48	0.00	0.00
9	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.04	0.00	0.60	0.00	0.06	0.00	0.00	0.00	0.00	0.00	2.37	0.06
11	0.18	0.00	0.00	0.00	0.35	0.01	0.00	0.24	0.00	0.00	0.03	0.50
12	0.10	0.00	0.00	0.00	0.95	0.00	0.06	0.06	0.00	0.00	0.13	0.01
13	0.00	0.00	0.49	0.00	0.00	0.00	0.14	0.00	1.47	0.00	0.00	0.14
14	0.02	0.00	0.33	0.00	1.33	0.00	0.00	0.00	0.36	0.00	0.00	0.05
15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.18	0.96	0.00	0.05
16	0.00	0.00	0.02	0.00	0.00	0.04	0.00	0.00	0.00	2.12	0.02	1.27
17	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.03
18	0.00	0.97	0.00	0.09	0.00	0.00	0.00	0.00	0.01	0.35	0.00	0.01
19	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.01
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.01	1.92	0.01
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
23	0.00	0.00	0.21	0.00	0.33	0.00	0.00	0.00	0.68	0.00	0.23	0.30
24	0.00	0.31	0.01	0.04	0.09	0.00	0.00	0.00	0.03	0.00	0.00	0.00
25	0.00	0.00	0.00	0.01	0.50	0.00	0.00	0.00	1.82	0.00	0.00	0.00
26	0.69	0.00	0.00	1.41	0.10	0.00	0.19	0.00	1.44	0.53	0.00	0.17
27	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	2.27	0.00	2.16
28	1.01	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
29	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
30	0.00	0.00	0.07	0.00	---	0.10	2.58	0.00	0.00	0.00	0.63	0.00
31	0.00	---	0.00	0.00	---	0.03	---	0.25	---	0.00	0.01	---
TOTAL	2.18	2.78	1.94	1.81	5.29	0.18	3.71	1.67	9.91	9.84	5.39	12.34

2004 Water Year

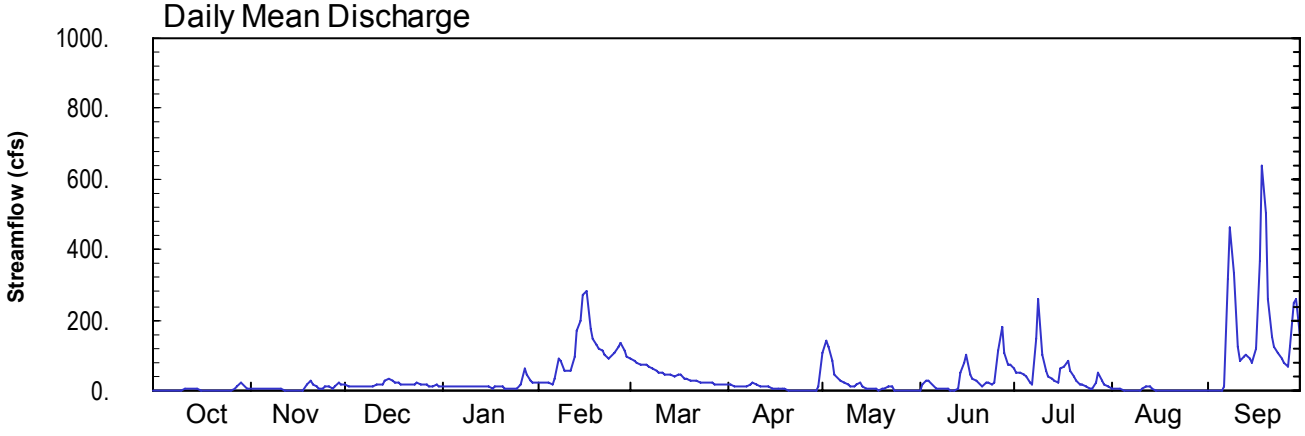
APALACHICOLA RIVER BASIN

02354440 KIOKEE CREEK NEAR PRETORIA, GA

Latitude: 31°30'13" Longitude: 084°22'01" Hydrologic Unit Code: 03130009

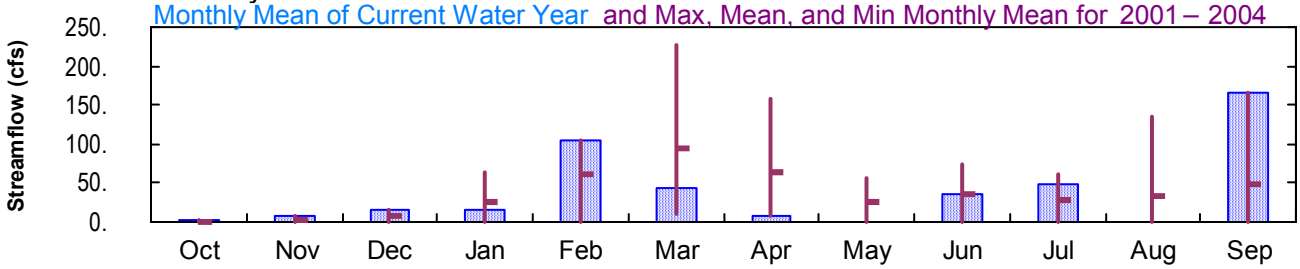
Dougherty County Datum: 175.00 feet Drainage Area: 67. mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2001 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02354440 KIOKEE CREEK NEAR PRETORIA, GA

LOCATION.—Lat 31°30'13", long 84°22'01", referenced to North American Datum (NAD) of 1927, Dougherty County, Hydrologic Unit 03130009, on GA 62, 3.0 miles west of Pretoria.

DRAINAGE AREA.—67.0 square miles.

COOPERATION.—Albany-Dougherty Planning Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 20, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 173.97 feet above National Adjusted Vertical Datum (NAVD) of 1988. Previous to October 1, 2002, datum of gage was 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Periods of no flow may occur frequently during the water year.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 20, 2001 to current year.

GAGE.— Satellite telemetry with a water-stage recorder. Datum of gage is 173.97 feet above National Adjusted Vertical Datum (NAVD) of 1988. Previous to October 1, 2002, datum of gage was 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.78 feet, September 18; minimum gage-height recorded, 1.57 feet, but is lower many times during the water year due to gage being out of the water.

PRECIPITATION RECORDS

PERIOD OF RECORD.— June 20, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354440 KIOKEE CREEK NEAR PRETORIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313013 LONGITUDE 0842201 NAD83 DRAINAGE AREA 67.0* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	5.2	14	12	22	89	18	105	0.01	61	6.8	0.00
2	1.3	4.3	11	11	21	85	16	139	16	49	5.0	0.01
3	0.77	3.6	10	11	22	79	14	126	26	51	4.4	0.09
4	0.58	3.3	9.8	12	20	76	13	85	27	47	3.8	0.03
5	0.46	3.6	11	12	19	73	11	48	15	37	1.6	0.01
6	0.33	4.2	11	14	35	71	9.8	36	6.5	25	0.52	13
7	0.53	4.6	10	11	88	67	9.1	27	3.7	18	0.07	315
8	2.3	4.8	9.1	9.9	84	62	17	20	3.7	145	0.01	463
9	2.8	4.1	8.7	10	57	56	24	15	5.9	262	0.00	335
10	2.7	3.4	11	11	54	53	15	11	4.1	102	0.44	123
11	3.2	3.0	17	10	57	49	11	9.9	2.0	57	7.6	87
12	4.4	2.6	17	9.1	97	47	9.9	15	0.71	41	12	97
13	6.0	2.4	15	8.9	168	45	11	22	3.2	32	8.5	101
14	5.3	2.0	28	9.0	198	43	9.8	13	48	27	4.9	92
15	3.7	2.0	34	9.4	273	42	7.4	8.0	81	24	2.6	78
16	2.2	2.0	26	8.9	281	44	5.9	5.4	99	62	1.6	119
17	1.2	2.0	23	8.3	176	42	4.9	4.2	45	65	0.95	367
18	0.74	2.5	20	9.9	145	37	3.8	3.1	35	84	0.40	639
19	0.47	17	19	11	129	33	3.0	2.2	26	55	0.06	503
20	0.33	25	17	9.0	119	31	2.5	3.2	18	39	0.01	258
21	0.21	16	15	7.5	112	30	1.6	5.0	12	26	0.00	154
22	0.14	9.8	15	6.8	101	26	1.1	9.7	22	19	0.00	123
23	0.08	7.8	16	6.3	91	23	0.56	8.7	24	14	0.00	106
24	0.03	8.2	20	6.1	104	22	0.24	2.2	18	11	0.00	93
25	0.01	11	19	7.6	108	21	0.07	0.39	20	8.0	0.00	82
26	0.97	9.1	17	18	126	21	0.08	0.03	110	7.0	0.00	70
27	6.5	7.8	15	63	134	20	0.29	0.01	179	20	0.00	122
28	9.0	12	14	46	111	20	0.09	0.00	108	53	0.00	248
29	21	20	14	29	96	18	0.02	0.00	75	31	0.00	258
30	13	19	15	25	---	18	9.6	0.00	75	15	0.00	157
31	7.3	---	14	24	---	20	---	0.00	---	9.8	0.00	---
TOTAL	99.65	222.3	495.6	446.7	3048	1363	229.75	724.03	1108.82	1496.8	61.26	5003.14
MEAN	3.21	7.41	16.0	14.4	105	44.0	7.66	23.4	37.0	48.3	1.98	167
MAX	21	25	34	63	281	89	24	139	179	262	12	639
MIN	0.01	2.0	8.7	6.1	19	18	0.02	0.00	0.01	7.0	0.00	0.00
CFSM	0.05	0.11	0.24	0.22	1.57	0.66	0.11	0.35	0.55	0.72	0.03	2.49
IN.	0.06	0.12	0.28	0.25	1.69	0.76	0.13	0.40	0.62	0.83	0.03	2.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	1.07	2.47	8.89	26.3	61.4	93.7	64.4	26.3	36.9	27.2	34.2	47.3
MAX	3.21	7.41	16.0	64.5	105	226	157	55.4	73.8	60.2	135	167
(WY)	2004	2004	2004	2003	2004	2003	2003	2003	2003	2003	2003	2004
MIN	0.00	0.00	0.00	0.00	0.00	10.6	7.66	0.29	0.00	0.00	0.00	0.00
(WY)	2002	2002	2002	2002	2002	2002	2004	2002	2002	2002	2001	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	27371.15		14299.05			
ANNUAL MEAN	75.0		39.1		38.7	
HIGHEST ANNUAL MEAN					73.7	2003
LOWEST ANNUAL MEAN					3.24	2002
HIGHEST DAILY MEAN	482	Apr 10	639	Sep 18	639	Sep 18 2004
LOWEST DAILY MEAN	0.01	Oct 25	0.00	May 28 a	0.00	Jul 7 2001
ANNUAL SEVEN-DAY MINIMUM	0.18	Oct 19	0.00	Aug 21	0.00	Jul 7 2001
MAXIMUM PEAK FLOW			674	Sep 18	674	Sep 18 2004
MAXIMUM PEAK STAGE			5.78	Sep 18	6.09	Apr 9 2003
ANNUAL RUNOFF (CFSM)	1.12		0.583		0.577	
ANNUAL RUNOFF (INCHES)	15.20		7.94		7.84	
10 PERCENT EXCEEDS	202		105		118	
50 PERCENT EXCEEDS	46		14		7.9	
90 PERCENT EXCEEDS	3.7		0.19		0.00	

a Also May 29-31, Aug 21-31, Sep 1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354440 KIOKEE CREEK NEAR PRETORIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313013 LONGITUDE 0842201 NAD83 DRAINAGE AREA 67.0* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.69	3.83	4.09	4.08	4.19	4.75	4.10	4.83	2.65	4.57	3.86	2.98
2	3.62	3.80	4.04	4.06	4.17	4.72	4.05	4.99	4.04	4.47	3.80	3.18
3	3.56	3.77	4.01	4.07	4.19	4.69	4.03	4.94	4.21	4.49	3.77	3.37
4	3.53	3.76	4.02	4.07	4.16	4.67	4.00	4.71	4.23	4.46	3.74	3.31
5	3.51	3.77	4.05	4.08	4.13	4.65	3.97	4.44	4.04	4.35	3.62	3.21
6	3.47	3.80	4.06	4.10	4.34	4.64	3.94	4.31	3.85	4.20	3.50	3.55
7	3.50	3.81	4.03	4.06	4.83	4.61	3.92	4.19	3.74	4.09	3.34	5.38
8	3.70	3.82	4.01	4.03	4.79	4.57	4.07	4.10	3.74	4.93	3.17	5.59
9	3.73	3.79	4.00	4.04	4.57	4.53	4.18	4.01	3.83	5.31	3.01	5.41
10	3.73	3.76	4.06	4.06	4.53	4.51	4.04	3.95	3.76	4.81	3.12	4.91
11	3.75	3.74	4.16	4.03	4.55	4.47	3.96	3.92	3.65	4.54	3.85	4.74
12	3.80	3.72	4.16	4.01	4.81	4.45	3.94	4.02	3.53	4.39	3.98	4.79
13	3.86	3.71	4.12	4.01	5.18	4.43	3.97	4.12	3.54	4.29	3.90	4.81
14	3.84	3.69	4.33	4.01	5.29	4.41	3.94	3.98	4.43	4.22	3.79	4.76
15	3.78	3.68	4.40	4.02	5.43	4.41	3.88	3.87	4.69	4.19	3.69	4.69
16	3.69	3.68	4.31	4.01	5.34	4.43	3.83	3.80	4.80	4.57	3.62	4.87
17	3.62	3.68	4.26	3.99	5.11	4.41	3.79	3.75	4.43	4.60	3.57	5.46
18	3.56	3.71	4.22	4.03	5.02	4.35	3.75	3.71	4.33	4.72	3.48	5.75
19	3.51	4.10	4.19	4.05	4.95	4.30	3.71	3.67	4.22	4.53	3.33	5.63
20	3.47	4.25	4.16	4.01	4.90	4.28	3.68	3.71	4.09	4.37	3.18	5.30
21	3.43	4.09	4.13	3.97	4.87	4.26	3.63	3.79	3.99	4.21	3.09	5.04
22	3.40	3.97	4.12	3.95	4.81	4.22	3.58	3.89	4.15	4.12	3.11	4.92
23	3.36	3.91	4.14	3.94	4.76	4.17	3.52	3.88	4.18	4.03	3.05	4.84
24	3.29	3.93	4.21	3.93	4.83	4.15	3.44	3.65	4.09	3.96	3.04	4.77
25	3.23	4.00	4.20	3.96	4.85	4.15	3.35	3.47	4.12	3.89	2.96	4.71
26	3.40	3.97	4.17	4.12	4.93	4.14	3.33	3.29	4.83	3.86	2.83	4.63
27	3.86	3.93	4.13	4.65	4.98	4.13	3.46	3.16	5.12	4.09	2.67	4.89
28	3.93	4.03	4.11	4.50	4.86	4.12	3.37	3.04	4.84	4.50	2.50	5.29
29	4.18	4.19	4.10	4.31	4.78	4.10	3.28	2.89	4.67	4.27	2.32	5.30
30	4.03	4.17	4.13	4.25	---	4.09	3.80	2.74	4.66	4.05	2.31	5.05
31	3.89	---	4.11	4.22	---	4.12	---	2.62	---	3.94	2.84	---
MEAN	3.64	3.87	4.14	4.08	4.76	4.38	3.78	3.85	4.15	4.36	3.29	4.70
MAX	4.18	4.25	4.40	4.65	5.43	4.75	4.18	4.99	5.12	5.31	3.98	5.75
MIN	3.23	3.68	4.00	3.93	4.13	4.09	3.28	2.62	2.65	3.86	2.31	2.98

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354440 KIOKEE CREEK NEAR PRETORIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313013 LONGITUDE 0842201 NAD83 DRAINAGE AREA 67.0* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.08	0.03	0.00	---	---	0.02	0.00	0.71
2	0.00	0.00	0.00	0.00	0.07	0.00	0.00	---	---	0.11	0.00	0.59
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	---	---	0.51	0.00	0.00
4	0.00	0.00	0.08	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
5	0.00	0.17	0.00	0.11	0.00	0.00	0.00	---	0.00	0.00	0.00	0.10
6	0.00	0.00	0.00	0.01	1.53	0.02	0.00	---	0.00	0.00	0.00	5.86
7	0.75	0.00	0.00	0.00	0.00	0.00	0.00	---	0.28	0.59	0.00	0.52
8	0.00	0.00	0.00	0.01	---	0.00	0.71	---	0.00	1.15	0.00	0.00
9	0.00	0.00	0.00	0.09	---	0.00	0.09	---	0.02	0.00	0.00	0.00
10	0.02	0.00	0.29	0.00	---	0.00	0.01	---	0.00	0.00	1.93	0.02
11	0.19	0.00	0.00	0.00	---	0.00	0.01	---	0.00	0.00	0.02	0.07
12	0.09	0.00	0.00	0.00	---	0.00	0.10	---	0.01	0.00	0.10	0.00
13	0.00	0.00	0.44	0.00	---	0.00	0.22	---	2.86	0.00	0.00	0.07
14	0.04	0.00	0.38	0.00	---	0.00	0.00	0.01	0.86	0.00	0.06	0.08
15	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.83	0.50	0.00	0.04
16	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.32	0.00	2.26
17	0.00	0.00	0.03	0.01	0.01	0.00	0.00	0.00	0.03	0.01	0.00	0.00
18	0.00	---	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
19	0.00	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.51	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
23	0.00	0.00	0.20	0.00	---	0.00	0.00	0.00	0.32	0.00	0.17	0.00
24	0.00	0.34	0.02	0.06	---	0.00	0.00	0.00	0.07	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.99	0.00	0.00	0.00
26	1.42	0.00	0.00	1.04	---	0.00	0.53	0.00	1.05	0.62	0.00	0.18
27	---	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	1.53	0.00	1.75
28	---	0.55	0.00	0.00	---	0.00	0.00	0.00	0.02	0.00	0.00	0.00
29	---	0.00	0.08	0.00	---	0.00	0.00	0.00	0.24	0.00	0.04	0.00
30	---	0.00	0.09	0.00	---	0.06	---	0.00	0.00	0.00	1.25	0.00
31	0.00	---	0.00	0.00	---	0.02	---	---	---	0.00	0.00	---
TOTAL	---	---	1.61	1.47	---	0.15	---	---	---	5.42	4.08	12.25

2004 Water Year

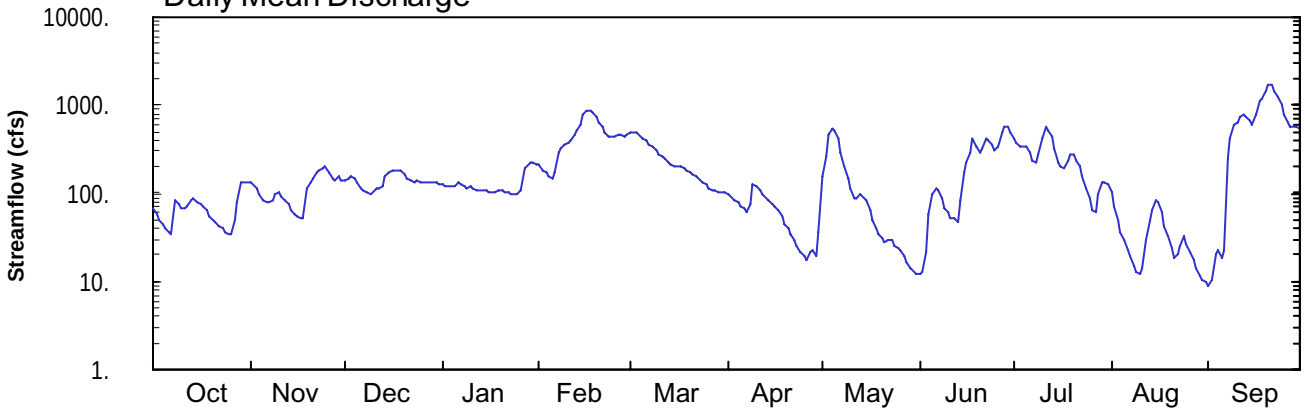
APALACHICOLA RIVER BASIN

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA

Latitude: 31°21'02" Longitude: 084°28'57" Hydrologic Unit Code: 03130009

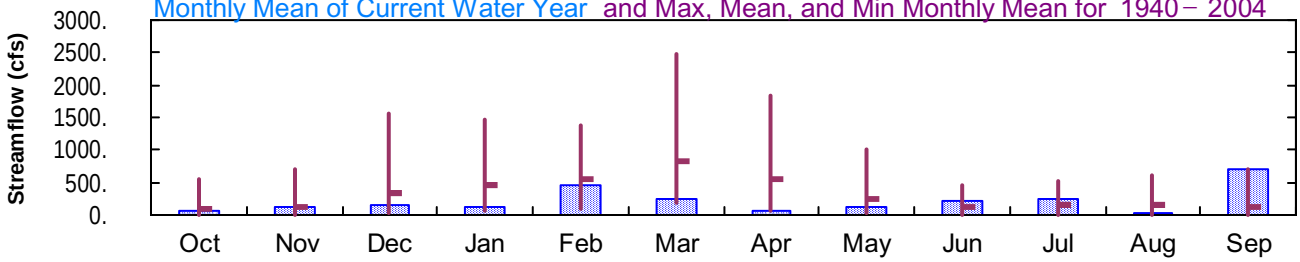
Baker County Datum: 137.73 feet Drainage Area: 320. mi²

Daily Mean Discharge

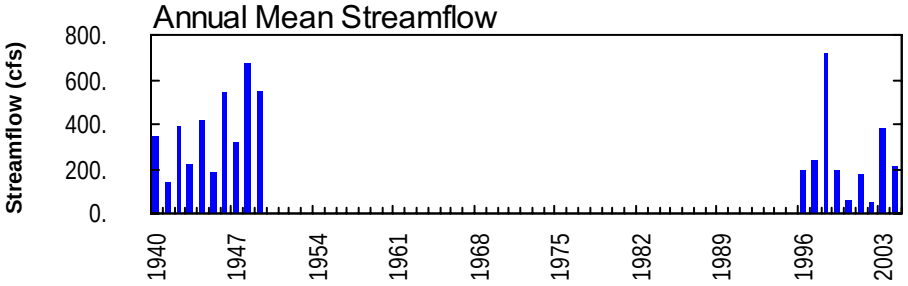


Monthly Statistics

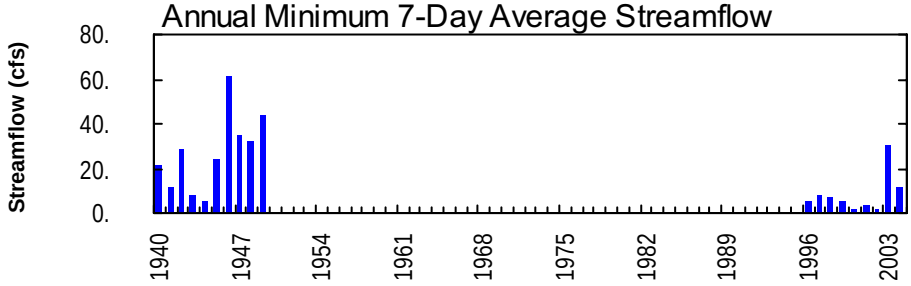
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1940 – 2004



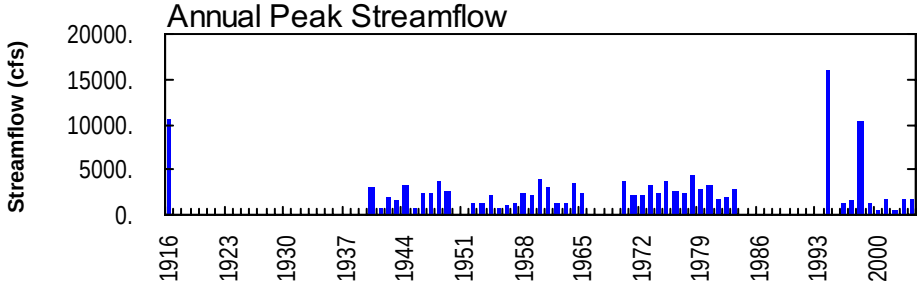
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA

LOCATION.—Lat 31°21'02", long 84°28'57", referenced to North American Datum (NAD) of 1927, Baker County, Hydrologic Unit 03130009, at bridge on GA 37 at Elmodel, 2.0 miles upstream from confluence with Ichawaynochaway Creek.

DRAINAGE AREA.—320 square miles.

COOPERATION.—Albany-Dougherty Planning Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1939 to December 1949, water years 1952-65 and 1970-83 (annual maximum), July 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 137.7 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by the Georgia Department of Transportation). From October 1, 1939 to October 30, 1941, a non-recording gage was located at site approximately 100 feet upstream at present datum. From October 31, 1941 to December 31, 1949, a recording gage was located at present datum. From September 25, 1951 to September 1965 and October 1970 to September 1983, a non-recording gage was located at site 100 feet upstream and present datum.

REMARKS.—Records good. Discharge during growing season affected by undetermined amount of irrigation withdrawal.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of July 8, 1994 reached a stage of 20.0 feet, discharge 16,000 cfs from rating curve extended above 9,400 cfs. Minimum discharge observed 1.2 cfs, October 21, 1954.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/20	2030	1,750*	7.92*

No other peaks greater than base discharge

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1939 to December 1949, water years 1952-65 and 1970-83 (annual maximum), July 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 137.7 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by the Georgia Department of Transportation). From October 1, 1939 to October 30, 1941, a non-recording gage was located at site approximately 100 feet upstream at present datum. From October 31, 1941 to December 31, 1949, a recording gage was located at present datum. From September 25, 1951 to September 1965 and October 1970 to September 1983, a non-recording gage was located at site 100 feet upstream and present datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.92 feet, September 20; minimum gage-height recorded, -0.18 feet, August 31, September 1, 2.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 17, 2003 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312102 LONGITUDE 0842857 NAD83 DRAINAGE AREA 320.00* CONTRIBUTING DRAINAGE AREA DATUM 137.73 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	132	143	124	207	492	96	154	12	426	101	9.1
2	57	126	149	122	184	501	90	265	13	370	70	10
3	50	114	153	120	168	481	85	467	22	336	49	21
4	44	97	146	119	157	452	81	543	57	333	37	23
5	40	85	132	120	149	423	72	523	97	333	29	19
6	36	81	117	131	172	393	66	423	115	294	23	23
7	35	80	107	125	284	363	62	295	106	240	19	246
8	84	83	102	118	319	334	76	203	87	225	15	409
9	77	96	99	116	355	306	125	151	68	271	13	595
10	68	100	103	117	368	283	122	114	60	426	12	635
11	68	95	112	115	388	261	109	89	52	570	14	729
12	73	85	113	110	465	244	96	87	53	526	29	793
13	84	76	121	107	525	227	90	96	47	433	50	751
14	87	65	157	106	613	214	85	94	85	315	64	653
15	81	58	172	106	767	207	74	83	176	226	82	600
16	74	54	179	104	845	203	71	64	225	204	77	790
17	70	52	184	101	870	201	65	49	297	192	60	1120
18	63	52	186	105	828	194	55	41	417	235	43	1200
19	56	114	180	108	735	186	46	34	338	279	32	1430
20	50	134	164	106	642	176	40	31	289	274	24	1690
21	46	146	148	103	567	167	34	29	319	239	19	1670
22	43	169	140	101	500	153	29	30	410	198	20	1450
23	39	182	134	99	448	142	25	29	396	154	26	1220
24	37	196	138	96	447	134	22	25	356	116	32	989
25	35	199	137	95	435	124	19	24	302	86	27	790
26	35	170	133	110	455	116	18	23	339	63	21	626
27	50	146	132	187	457	111	21	20	491	62	17	568
28	81	142	132	205	452	107	23	17	574	95	14	566
29	133	152	132	220	468	102	19	14	561	133	11	565
30	133	144	132	220	---	100	36	13	498	135	11	556
31	133	---	129	218	---	101	---	12	---	128	9.9	---
TOTAL	2029	3425	4306	3934	13270	7498	1852	4042	6862	7917	1050.9	20746.1
MEAN	65.5	114	139	127	458	242	61.7	130	229	255	33.9	692
MAX	133	199	186	220	870	501	125	543	574	570	101	1690
MIN	35	52	99	95	149	100	18	12	12	62	9.9	9.1
CFSM	0.20	0.36	0.43	0.40	1.43	0.76	0.19	0.41	0.71	0.80	0.11	2.16
IN.	0.24	0.40	0.50	0.46	1.54	0.87	0.22	0.47	0.80	0.92	0.12	2.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	106	137	329	474	562	816	549	246	134	165	153	113
MAX	540	714	1571	1479	1370	2470	1848	1004	465	507	618	692
(WY)	1949	1948	1998	1998	1998	1998	1944	1946	2003	1940	2003	2004
MIN	3.96	3.11	19.1	55.7	84.2	185	61.7	16.1	2.55	2.29	2.00	3.84
(WY)	2001	2002	2002	2002	2002	2002	2004	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	133377		76932.0			
ANNUAL MEAN	365		210		317	
HIGHEST ANNUAL MEAN					723	1998
LOWEST ANNUAL MEAN					54.2	2002
HIGHEST DAILY MEAN	1660	Apr 12	1690	Sep 20	9850	Mar 11 1998
LOWEST DAILY MEAN	35	Oct 7	9.1	Sep 1	1.3	Aug 23 2000
ANNUAL SEVEN-DAY MINIMUM	41	Oct 20	12	Aug 27	1.4	Aug 23 2000
MAXIMUM PEAK FLOW			1750	Sep 20	10400	Mar 11 1998
MAXIMUM PEAK STAGE			7.92	Sep 20	17.09	Mar 11 1998
INSTANTANEOUS LOW FLOW			9.0	Aug 31	1.2	Sep 12 2002
ANNUAL RUNOFF (CFSM)	1.14		0.657		0.992	
ANNUAL RUNOFF (INCHES)	15.51		8.94		13.47	
10 PERCENT EXCEEDS	831		524		857	
50 PERCENT EXCEEDS	258		118		136	
90 PERCENT EXCEEDS	81		24		11	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312102 LONGITUDE 0842857 NAD83 DRAINAGE AREA 320.00* CONTRIBUTING DRAINAGE AREA DATUM 137.73 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.36	0.75	0.85	0.70	1.27	2.90	0.53	0.91	-0.15	2.56	0.55	-0.18
2	0.30	0.71	0.89	0.69	1.11	2.95	0.50	1.62	-0.13	2.25	0.36	-0.16
3	0.25	0.64	0.92	0.68	1.00	2.85	0.47	2.77	-0.02	2.06	0.22	-0.01
4	0.21	0.54	0.88	0.67	0.92	2.69	0.44	3.16	0.27	2.04	0.13	0.02
5	0.17	0.47	0.80	0.67	0.87	2.54	0.39	3.06	0.52	2.03	0.06	-0.03
6	0.14	0.44	0.71	0.74	1.02	2.37	0.35	2.54	0.64	1.80	0.00	0.00
7	0.14	0.44	0.66	0.71	1.75	2.21	0.33	1.81	0.58	1.48	-0.05	1.50
8	0.46	0.45	0.63	0.66	1.95	2.04	0.41	1.24	0.46	1.38	-0.10	2.45
9	0.42	0.53	0.62	0.65	2.16	1.88	0.70	0.88	0.34	1.66	-0.13	3.42
10	0.36	0.56	0.64	0.66	2.23	1.74	0.69	0.64	0.30	2.55	-0.15	3.60
11	0.36	0.52	0.70	0.64	2.35	1.61	0.61	0.47	0.24	3.30	-0.12	4.02
12	0.39	0.46	0.70	0.62	2.76	1.50	0.53	0.46	0.25	3.08	0.05	4.30
13	0.46	0.41	0.74	0.59	3.07	1.39	0.49	0.52	0.21	2.59	0.23	4.12
14	0.48	0.35	0.95	0.59	3.50	1.31	0.46	0.50	0.45	1.93	0.32	3.69
15	0.44	0.30	1.05	0.59	4.18	1.26	0.40	0.43	1.05	1.39	0.43	3.44
16	0.40	0.28	1.08	0.58	4.52	1.24	0.38	0.32	1.38	1.24	0.40	4.25
17	0.37	0.27	1.12	0.56	4.62	1.22	0.35	0.23	1.82	1.16	0.29	5.60
18	0.34	0.26	1.12	0.58	4.44	1.18	0.28	0.16	2.50	1.44	0.18	5.91
19	0.29	0.64	1.08	0.60	4.05	1.12	0.22	0.10	2.06	1.72	0.09	6.76
20	0.25	0.76	0.97	0.59	3.64	1.06	0.17	0.07	1.78	1.69	0.01	7.72
21	0.22	0.84	0.86	0.57	3.28	0.99	0.13	0.05	1.95	1.47	-0.04	7.63
22	0.20	1.00	0.80	0.56	2.94	0.89	0.08	0.07	2.47	1.20	-0.03	6.86
23	0.17	1.09	0.76	0.55	2.67	0.82	0.04	0.06	2.39	0.90	0.03	5.98
24	0.15	1.19	0.78	0.53	2.67	0.76	0.00	0.01	2.17	0.64	0.10	5.10
25	0.13	1.21	0.78	0.53	2.60	0.70	-0.03	0.01	1.86	0.45	0.05	4.28
26	0.13	1.01	0.76	0.62	2.71	0.65	-0.04	-0.01	2.07	0.32	-0.01	3.56
27	0.25	0.86	0.75	1.13	2.72	0.62	0.00	-0.04	2.90	0.31	-0.06	3.29
28	0.44	0.83	0.75	1.25	2.69	0.60	0.01	-0.08	3.32	0.51	-0.11	3.28
29	0.76	0.90	0.75	1.35	2.78	0.57	-0.03	-0.11	3.26	0.76	-0.14	3.28
30	0.75	0.85	0.75	1.35	---	0.56	0.12	-0.14	2.93	0.77	-0.15	3.23
31	0.76	---	0.73	1.33	---	0.56	---	-0.15	---	0.73	-0.16	---
MEAN	0.34	0.65	0.83	0.73	2.64	1.44	0.30	0.70	1.33	1.53	0.07	3.56
MAX	0.76	1.21	1.12	1.35	4.62	2.95	0.70	3.16	3.32	3.30	0.55	7.72
MIN	0.13	0.26	0.62	0.53	0.87	0.56	-0.04	-0.15	-0.15	0.31	-0.16	-0.18

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312102 LONGITUDE 0842857 NAD83 DRAINAGE AREA 320.00* CONTRIBUTING DRAINAGE AREA DATUM 137.73 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.47	0.03	0.02	0.00	---
2	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.59	0.02	0.00	0.00	---
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	---
4	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
5	0.00	0.04	0.01	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
6	0.00	0.00	0.00	0.00	1.74	0.03	0.00	0.00	0.00	0.00	0.00	---
7	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	---	0.00	---
8	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.99	---	0.00	---
9	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	---	0.00	---
10	0.03	0.00	0.34	0.00	0.05	0.00	0.00	0.00	0.21	0.00	0.62	0.00
11	0.49	0.00	0.00	0.00	0.34	0.00	0.00	0.26	0.02	0.00	0.02	0.36
12	0.12	0.00	0.00	0.00	0.96	0.00	0.08	0.00	0.01	0.00	0.14	0.00
13	0.01	0.00	0.42	0.00	0.00	0.00	0.20	0.00	1.90	0.00	0.07	0.10
14	0.01	0.00	0.42	0.00	1.50	0.00	0.00	0.00	0.49	0.00	0.00	0.04
15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.22	0.99	0.00	0.13
16	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.86	0.25	0.48	4.06
17	0.00	0.00	0.07	0.05	0.00	0.00	0.00	0.00	1.64	0.01	0.00	0.00
18	0.00	0.99	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.41	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
23	0.00	0.00	0.34	0.00	0.42	0.00	0.00	0.00	0.68	0.00	1.47	0.00
24	0.00	0.33	0.01	---	0.33	0.00	0.00	0.00	0.19	0.00	0.00	0.00
25	0.00	0.00	0.00	---	0.29	0.00	0.00	0.00	0.33	---	0.00	0.00
26	0.54	0.00	0.00	1.4	0.15	0.00	0.57	0.00	1.17	---	0.00	0.19
27	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	---	0.00	1.18
28	1.11	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
29	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.14	0.00	---	0.00
30	0.00	0.00	0.16	0.00	---	0.25	2.65	0.00	0.00	0.00	---	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.26	---	0.00	---	---
TOTAL	3.06	2.57	1.83	---	6.00	0.35	4.71	1.78	9.53	---	---	---

2004 Water Year

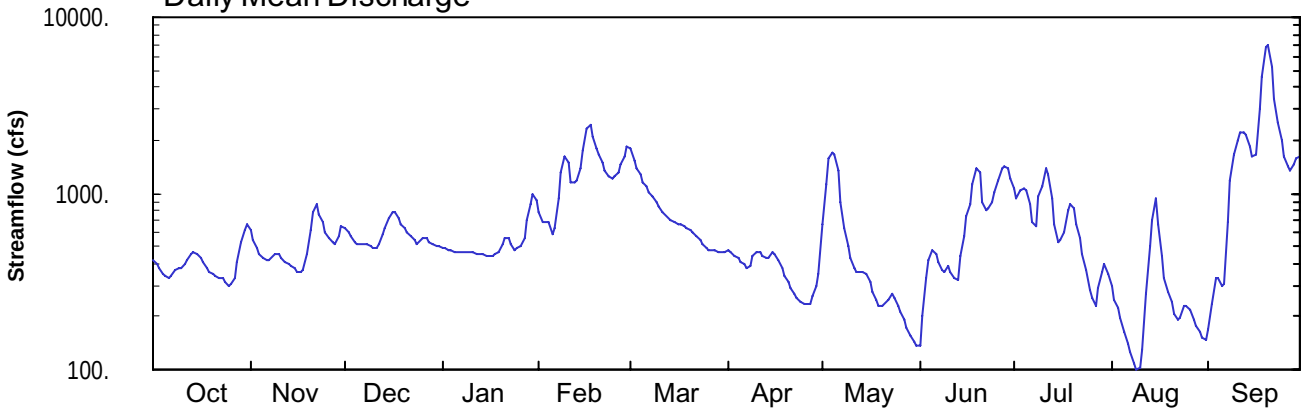
APALACHICOLA RIVER BASIN

02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA

Latitude: 31°17'38" Longitude: 084°29'31" Hydrologic Unit Code: 03130009

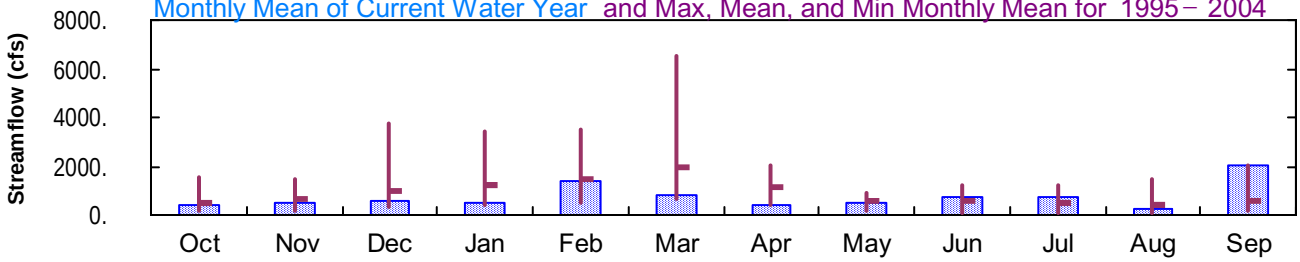
Baker County Datum: 140.00 feet Drainage Area: 1000. mi²

Daily Mean Discharge

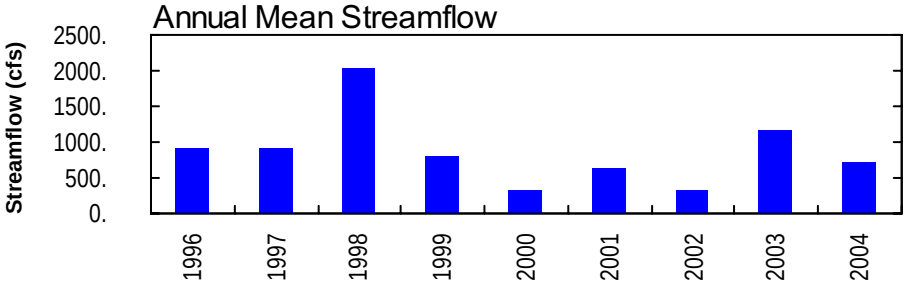


Monthly Statistics

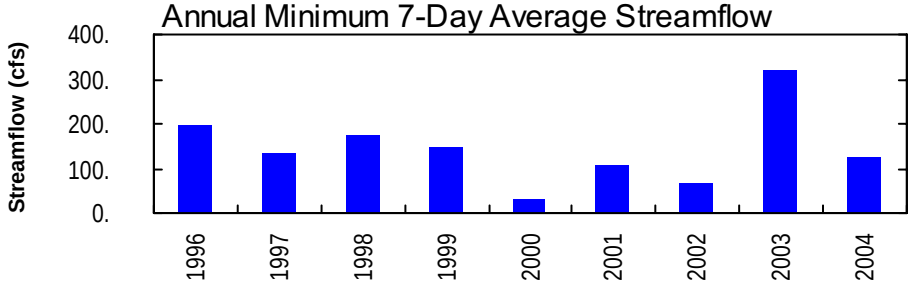
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1995 – 2004



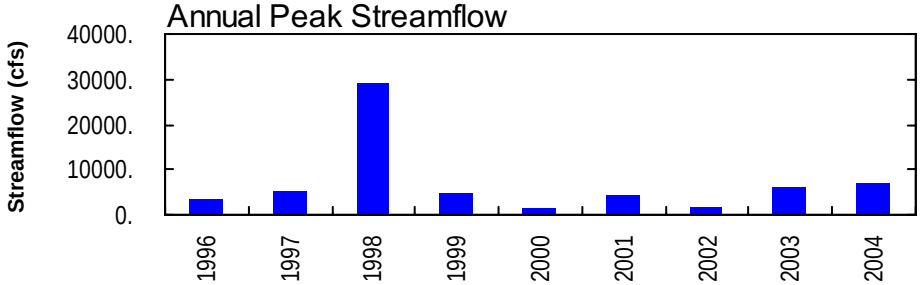
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02354800 Ichawaynochaway Creek near Elmodel, GA

APALACHICOLA RIVER BASIN
2004 Water Year

02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA

LOCATION.—Lat 31°17'42", long 84°29'17", referenced to North American Datum (NAD) of 1927, Baker County, Hydrologic Unit 0313009, on right bank 50 feet below sampling dock, approximately 0.6 miles downstream of old dam site, 1.6 miles north of GA 200, 9.0 miles west-southwest of Newton, and 3.7 miles south of Elmodel.

DRAINAGE AREA.—1,000 square miles, approximately.

COOPERATION.—Albany-Dougherty Planning Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 140.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Discharge during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation occurs at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base of 3,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/19	2315	7,170*	15.81*

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 140.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.81 feet, September 19; minimum gage-height recorded, 3.35 feet, August 9.

02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 4, 2004 to September 30, 2004.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311738 LONGITUDE 0842931 NAD83 DRAINAGE AREA 1000.* CONTRIBUTING DRAINAGE AREA DATUM 140.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	422	612	639	e495	e784	e1820	476	661	135	1060	295	167
2	395	542	601	e487	694	e1520	462	1130	204	944	251	235
3	373	486	567	e476	e687	e1370	444	1590	328	1040	226	331
4	346	449	e525	e476	e678	e1270	426	1710	417	1060	194	332
5	336	428	e520	e464	592	1160	403	1650	473	1050	164	296
6	328	420	e518	e464	633	1090	392	1340	449	874	140	305
7	337	422	e518	e470	e946	1020	379	896	412	693	125	692
8	367	445	e510	e470	e1310	962	384	631	365	658	108	1190
9	380	455	e500	e470	e1610	893	445	506	353	955	101	1650
10	381	446	e495	e464	e1480	837	466	432	392	1100	103	1970
11	394	430	e490	e464	e1160	788	460	374	361	1390	129	2220
12	414	412	e518	e451	e1150	754	439	356	332	1280	268	2210
13	448	400	e587	e458	e1200	727	428	357	318	930	498	2140
14	467	387	e631	e451	e1380	695	432	354	437	670	703	1850
15	450	374	e718	e439	e1760	677	459	349	569	529	946	1600
16	426	362	e774	e438	e2350	672	452	312	735	538	660	1650
17	403	358	e780	e444	e2450	670	418	275	866	601	438	3000
18	380	365	e732	e455	e2090	655	379	249	1110	801	331	4620
19	362	447	e674	e467	e1810	634	342	232	1390	862	276	6730
20	350	612	e630	e514	e1660	611	318	229	1310	825	243	6870
21	342	784	e602	e559	e1500	595	291	234	882	674	205	5210
22	333	867	e568	e551	e1360	570	266	249	792	550	192	3470
23	330	761	e537	e512	e1260	540	258	270	818	455	198	2500
24	316	678	e521	e481	e1220	517	243	256	884	363	227	1980
25	301	609	e537	e483	e1230	489	234	229	1000	286	232	1640
26	306	557	e554	e500	e1320	477	234	214	1190	252	220	1440
27	332	524	e553	e559	e1480	475	237	192	1390	229	194	1350
28	404	515	e535	e698	e1620	475	259	173	1440	291	178	1460
29	526	578	e520	e874	e1830	465	301	155	1390	361	166	1560
30	619	654	e504	e986	---	462	349	144	1230	393	153	1620
31	665	---	e500	e924	---	460	---	137	---	349	147	---
TOTAL	12233	15379	17858	16444	39244	24350	11076	15886	21972	22063	8311	62288
MEAN	395	513	576	530	1353	785	369	512	732	712	268	2076
MAX	665	867	780	986	2450	1820	476	1710	1440	1390	946	6870
MIN	301	358	490	438	592	460	234	137	135	229	101	167
CFSM	0.39	0.51	0.58	0.53	1.35	0.79	0.37	0.51	0.73	0.71	0.27	2.08
IN.	0.46	0.57	0.66	0.61	1.46	0.91	0.41	0.59	0.82	0.82	0.31	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	513	639	995	1210	1479	1990	1159	563	543	510	414	572
MAX	1565	1452	3785	3413	3496	6498	2074	932	1201	1254	1462	2076
(WY)	1999	1998	1998	1998	1998	1998	2003	1998	2003	1999	2003	2004
MIN	149	190	334	389	468	679	369	150	56.1	108	79.0	194
(WY)	2001	2002	2002	2002	2002	2002	2004	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	399195		267104			
ANNUAL MEAN	1094		730		880	
HIGHEST ANNUAL MEAN					2029	1998
LOWEST ANNUAL MEAN					343	2002
HIGHEST DAILY MEAN	5870	Apr 11	6870	Sep 20	28000	Mar 10 1998
LOWEST DAILY MEAN	301	Oct 25	101	Aug 9	24	Aug 23 2000
ANNUAL SEVEN-DAY MINIMUM	323	Oct 21	124	Aug 5	30	Aug 28 2000
MAXIMUM PEAK FLOW			7170	Sep 19	29200	Mar 10 1998
MAXIMUM PEAK STAGE			15.81	Sep 19	31.19	Mar 10 1998
INSTANTANEOUS LOW FLOW			97	Aug 9	23	Aug 23 2000
ANNUAL RUNOFF (CFSM)	1.09		0.730		0.880	
ANNUAL RUNOFF (INCHES)	14.85		9.94		11.96	
10 PERCENT EXCEEDS	2080		1470		1970	
50 PERCENT EXCEEDS	787		496		530	
90 PERCENT EXCEEDS	422		235		163	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311738 LONGITUDE 0842931 NAD83 DRAINAGE AREA 1000.* CONTRIBUTING DRAINAGE AREA DATUM 140.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.61	5.17	5.24	---	---	7.69	4.79	5.27	3.56	6.15	4.22	3.71
2	4.52	4.98	5.14	---	5.37	7.24	4.74	6.29	3.86	5.93	4.06	4.00
3	4.45	4.82	5.05	---	---	6.74	4.68	7.19	4.32	6.12	3.96	4.33
4	4.38	4.70	---	---	---	6.53	4.63	7.46	4.59	6.16	3.83	4.34
5	4.35	4.63	---	---	5.12	6.35	4.55	7.32	4.78	6.13	3.69	4.22
6	4.33	4.61	---	---	5.22	6.21	4.51	6.70	4.70	5.78	3.58	4.24
7	4.35	4.61	---	---	---	6.09	4.47	5.82	4.58	5.37	3.50	5.34
8	4.44	4.69	---	---	---	5.96	4.49	5.21	4.43	5.28	3.41	6.41
9	4.47	4.72	---	---	---	5.82	4.69	4.87	4.40	5.95	3.37	7.34
10	4.48	4.69	---	---	---	5.70	4.76	4.64	4.51	6.23	3.38	8.04
11	4.52	4.64	---	---	---	5.59	4.74	4.46	4.42	6.78	3.52	8.59
12	4.58	4.58	---	---	---	5.51	4.67	4.41	4.34	6.57	4.10	8.56
13	4.70	4.53	---	---	---	5.45	4.63	4.41	4.29	5.89	4.84	8.42
14	4.76	4.49	---	---	---	5.37	4.65	4.40	4.66	5.31	5.38	7.77
15	4.70	4.46	---	---	---	5.33	4.73	4.39	5.05	4.94	5.93	7.22
16	4.63	4.42	---	---	---	5.32	4.71	4.27	5.47	4.97	5.28	7.34
17	4.55	4.41	---	---	---	5.31	4.60	4.15	5.76	5.14	4.66	10.05
18	4.47	4.43	---	---	---	5.28	4.47	4.06	6.25	5.62	4.33	12.62
19	4.42	4.69	---	---	---	5.22	4.37	3.99	6.79	5.76	4.15	15.33
20	4.39	5.17	---	---	---	5.17	4.29	3.98	6.63	5.67	4.03	15.48
21	4.37	5.58	---	---	---	5.13	4.21	4.00	5.80	5.32	3.88	13.45
22	4.34	5.77	---	---	---	5.06	4.12	4.05	5.60	5.00	3.82	10.85
23	4.33	5.53	---	---	---	4.97	4.09	4.13	5.66	4.72	3.85	9.14
24	4.29	5.33	---	---	---	4.91	4.03	4.08	5.80	4.42	3.97	8.05
25	4.24	5.16	---	---	---	4.83	3.99	3.98	6.04	4.19	3.99	7.30
26	4.25	5.02	---	---	---	4.79	3.99	3.92	6.39	4.07	3.94	6.88
27	4.34	4.93	---	---	---	4.78	4.01	3.82	6.79	3.98	3.83	6.70
28	4.55	4.90	---	---	---	4.78	4.09	3.73	6.88	4.20	3.76	6.92
29	4.93	5.08	---	---	---	4.75	4.24	3.65	6.78	4.42	3.70	7.14
30	5.19	5.28	---	---	---	4.74	4.39	3.60	6.47	4.51	3.64	7.28
31	5.30	---	---	---	---	4.73	---	3.57	---	4.39	3.62	---
MEAN	4.52	4.87	---	---	---	5.53	4.44	4.70	5.32	5.32	4.04	7.90
MAX	5.30	5.77	---	---	---	7.69	4.79	7.46	6.88	6.78	5.93	15.48
MIN	4.24	4.41	---	---	---	4.73	3.99	3.57	3.56	3.98	3.37	3.71

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311738 LONGITUDE 0842931 NAD83 DRAINAGE AREA 1000.* CONTRIBUTING DRAINAGE AREA DATUM 140.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	0.00	1.19	0.17	0.00	0.01	0.00
2	---	---	---	---	---	---	0.00	0.18	0.54	0.00	0.00	0.09
3	---	---	---	---	---	---	0.00	0.00	0.39	0.00	0.00	0.00
4	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03
6	---	---	---	---	---	0.02	0.00	0.00	0.00	0.00	0.00	3.38
7	---	---	---	---	---	0.00	0.00	0.00	0.03	0.04	0.00	0.30
8	---	---	---	---	---	0.00	0.74	0.00	0.08	1.02	0.00	0.00
9	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.55	0.00
11	---	---	---	---	---	0.00	0.00	0.04	0.00	0.00	0.02	0.27
12	---	---	---	---	---	0.00	0.09	0.01	0.04	0.00	0.29	0.00
13	---	---	---	---	---	0.00	0.27	0.00	1.31	0.00	0.00	0.12
14	---	---	---	---	---	0.00	0.00	0.00	0.92	0.00	0.00	0.03
15	---	---	---	---	---	0.00	0.00	0.00	0.22	0.81	0.00	0.18
16	---	---	---	---	---	0.12	0.00	0.00	0.10	0.17	0.00	3.81
17	---	---	---	---	---	0.00	0.00	0.00	2.96	0.00	0.00	0.00
18	---	---	---	---	---	0.00	0.00	0.00	0.00	0.62	0.00	0.00
19	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	0.00	0.00	0.00	0.25	0.00	0.62	0.00
22	---	---	---	---	---	0.00	0.00	0.00	0.07	0.00	0.00	0.00
23	---	---	---	---	---	0.00	0.00	0.00	0.71	0.00	0.42	0.00
24	---	---	---	---	---	0.00	0.00	0.00	0.18	0.00	0.00	0.00
25	---	---	---	---	---	0.00	0.00	0.01	0.72	0.00	0.00	0.00
26	---	---	---	---	---	0.00	0.46	0.00	1.01	0.00	0.00	0.26
27	---	---	---	---	---	0.00	0.00	0.00	0.02	0.27	0.00	1.17
28	---	---	---	---	---	0.00	0.00	0.00	0.04	0.00	0.00	0.00
29	---	---	---	---	---	0.00	0.00	0.00	1.99	0.00	0.01	0.00
30	---	---	---	---	---	0.40	3.79	0.00	0.00	0.00	0.23	0.00
31	---	---	---	---	---	0.00	---	0.26	---	0.00	0.01	---
TOTAL	---	---	---	---	---	---	5.35	1.69	11.75	2.93	2.16	9.64

2004 Water Year

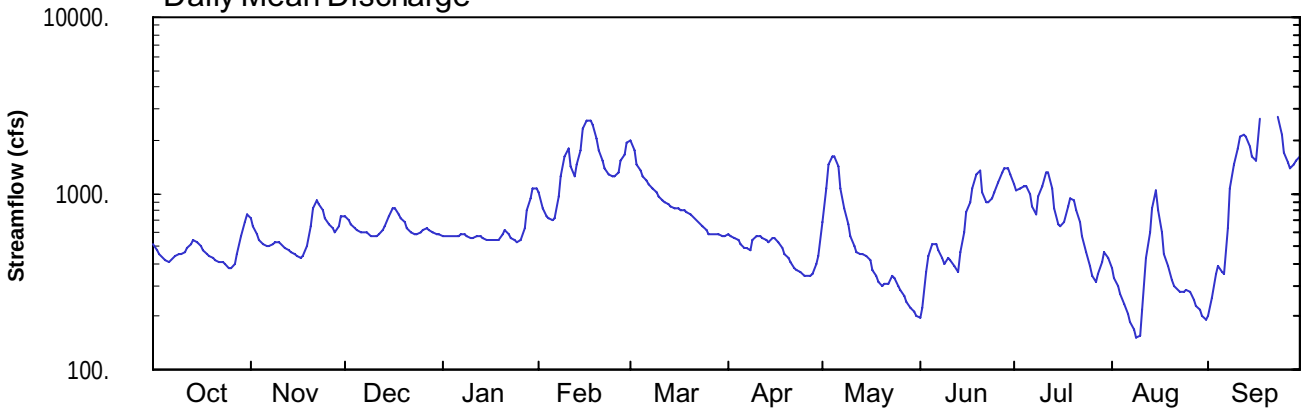
APALACHICOLA RIVER BASIN

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA

Latitude: 31°13'03" Longitude: 084°28'15" Hydrologic Unit Code: 03130009

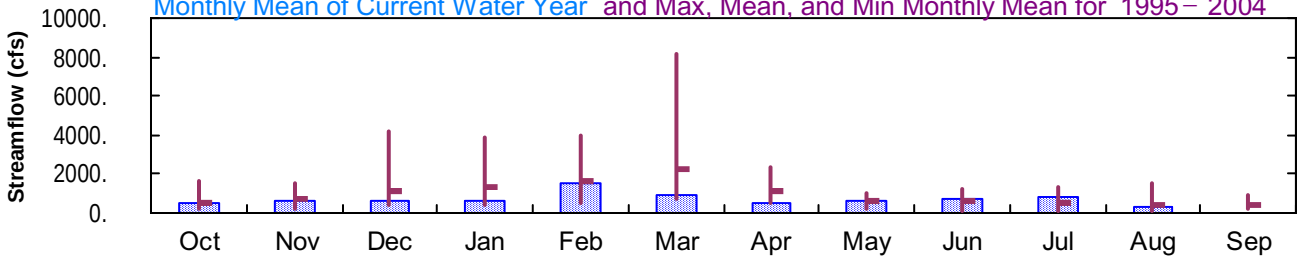
Baker County Datum: 98.67 feet Drainage Area: 1040. mi²

Daily Mean Discharge

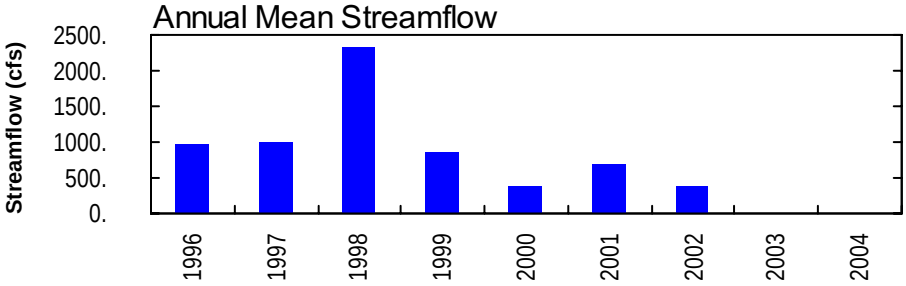


Monthly Statistics

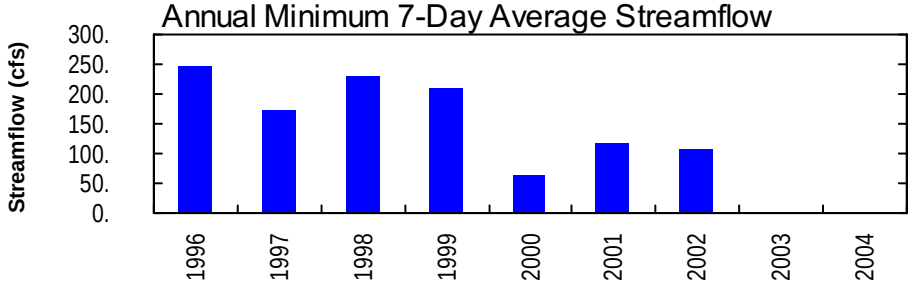
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1995 – 2004



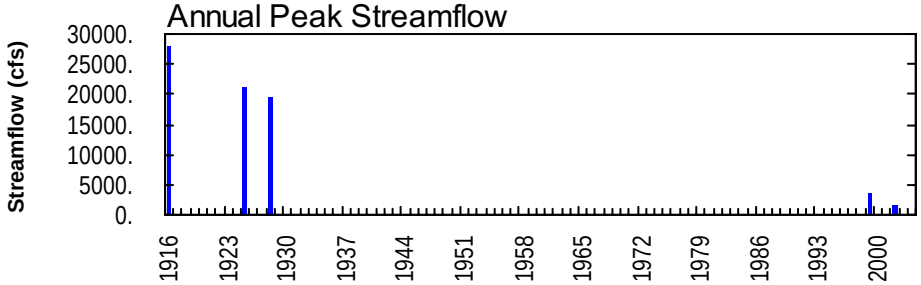
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02355350 Ichawaynochaway Creek below Newton, GA

APALACHICOLA RIVER BASIN
2004 Water Year

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA

LOCATION.—Lat 31°12'48", long 84°28'24", referenced to North American Datum (NAD) of 1927, Baker County, Hydrologic Unit 03130009, on right bank 75.0 feet below steel truss bridge, approximately 1600 feet upstream from bridge on GA 91, 11.0 miles southwest of Newton.

DRAINAGE AREA.—1,040 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1920 to June 1921 (discharge measurements and fragmentary gage-height record); October 1937 to September 1947 (published as 02355000 Ichawaynochaway Creek "near Newton"), monthly discharge only for April to September 1939 published in WSP 1301; April 1995 to current year, discharges less than 3,550 cfs only.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 98.67 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 9, 1920 to June 30, 1921, a non-recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher. From August 10, 1937 to April 1, 1939, a non-recording gage located at present site and approximately same datum. From September 21, 1939 to November 24, 1941, a non-recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher. From November 25, 1941 to September 30 1947, a recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation occurs at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since 1916, 36.50 feet, July 9, 1994, in backwater from the Flint River.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311303 LONGITUDE 0842815 NAD83 DRAINAGE AREA 1040.00* CONTRIBUTING DRAINAGE AREA DATUM 98.67 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	516	723	744	576	1010	1970	586	684	199	1130	380	201
2	482	650	707	573	832	1730	578	1070	223	1030	331	257
3	457	586	672	573	744	1460	557	1460	354	1070	301	351
4	432	540	637	566	717	1330	537	1640	439	1110	270	386
5	419	512	610	569	703	1250	510	1620	521	1100	233	354
6	410	499	600	578	725	1190	495	1430	516	990	207	345
7	417	497	604	581	960	1130	484	1070	472	836	185	629
8	435	518	595	579	1240	1080	482	821	427	759	168	1060
9	453	535	578	571	1610	1020	539	672	395	971	154	1450
10	454	528	571	560	1780	967	574	571	434	1090	155	1790
11	463	511	568	560	1400	924	573	499	415	1320	e221	2080
12	484	492	589	572	1240	891	554	466	384	1300	e428	2150
13	517	476	624	569	1450	866	536	457	361	1060	e609	2120
14	546	462	659	557	1760	837	535	453	462	828	e827	1850
15	533	450	742	547	2330	820	560	446	600	672	e1030	1600
16	507	438	812	543	2610	814	564	415	781	643	793	1520
17	481	432	819	538	2610	809	531	371	892	678	e594	2650
18	456	436	768	543	2430	796	491	339	1080	853	e457	---
19	438	498	722	548	2040	778	456	313	1280	935	e383	---
20	426	656	682	586	1760	754	432	301	1340	917	e323	---
21	418	827	640	613	1540	736	408	303	1000	810	e296	---
22	410	920	609	592	1400	710	380	310	895	679	e285	---
23	406	865	590	561	1290	675	368	338	898	570	e274	2740
24	395	796	587	537	1260	647	354	329	943	467	273	2140
25	380	727	599	525	1260	618	340	301	1030	388	286	1720
26	379	666	622	550	1330	594	340	285	1160	342	276	1510
27	400	628	632	641	1520	591	340	262	1330	310	251	1400
28	458	608	625	802	1670	590	351	243	1390	347	230	1440
29	578	650	606	947	1920	582	397	224	1370	412	216	1530
30	687	742	590	1080	---	578	441	211	1260	458	203	1610
31	754	---	581	1060	---	572	---	201	---	429	193	---
TOTAL	14591	17868	19984	19197	43141	28309	14293	18105	22851	24504	10832	---
MEAN	471	596	645	619	1488	913	476	584	762	790	349	---
MAX	754	920	819	1080	2610	1970	586	1640	1390	1320	1030	
MIN	379	432	568	525	703	572	340	201	199	310	154	
CFSM	0.45	0.57	0.62	0.60	1.43	0.88	0.46	0.56	0.73	0.76	0.34	---
IN.	0.52	0.64	0.71	0.69	1.54	1.01	0.51	0.65	0.82	0.88	0.39	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	556	681	1076	1307	1608	2229	1168	636	590	554	458	441
MAX	1668	1505	4200	3868	4024	8180	2381	1019	1264	1292	1526	943
(WY)	1999	1998	1998	1998	1998	1998	1998	1998	2003	1999	2003	1998
MIN	176	214	374	438	524	721	476	200	86.2	131	105	221
(WY)	2001	2002	2002	2002	2002	2002	2004	2000	2000	2000	2000	2000

SUMMARY STATISTICS	WATER YEARS 1995 - 2004	
ANNUAL MEAN	949	
HIGHEST ANNUAL MEAN	2339	1998
LOWEST ANNUAL MEAN	384	2000
HIGHEST DAILY MEAN	31000	Mar 11 1998
LOWEST DAILY MEAN	59	Aug 24 2000
ANNUAL SEVEN-DAY MINIMUM	62	Aug 28 2000
MAXIMUM PEAK STAGE	33.30	Mar 11 1998
INSTANTANEOUS LOW FLOW	58	Aug 24 2000
ANNUAL RUNOFF (CFSM)	0.913	
ANNUAL RUNOFF (INCHES)	12.40	
10 PERCENT EXCEEDS	2180	
50 PERCENT EXCEEDS	544	
90 PERCENT EXCEEDS	182	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311303 LONGITUDE 0842815 NAD83 DRAINAGE AREA 1040.00* CONTRIBUTING DRAINAGE AREA DATUM 98.67 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.35	3.87	3.92	3.52	4.56	6.44	3.54	3.77	2.32	4.82	2.94	2.28
2	3.25	3.70	3.84	3.51	4.13	6.02	3.52	4.69	2.43	4.61	2.77	2.50
3	3.18	3.54	3.75	3.51	3.92	5.48	3.47	5.48	2.94	4.68	2.67	2.84
4	3.10	3.42	3.67	3.49	3.86	5.23	3.41	5.84	3.19	4.77	2.55	2.95
5	3.06	3.34	3.60	3.50	3.82	5.06	3.33	5.80	3.42	4.76	2.41	2.85
6	3.03	3.30	3.58	3.52	3.88	4.93	3.29	5.41	3.40	4.51	2.30	2.82
7	3.06	3.30	3.59	3.53	4.44	4.82	3.26	4.69	3.28	4.14	2.21	3.62
8	3.11	3.35	3.56	3.52	5.04	4.71	3.25	4.11	3.15	3.95	2.13	4.66
9	3.16	3.40	3.52	3.50	5.77	4.58	3.41	3.76	3.06	4.47	2.06	5.47
10	3.17	3.38	3.50	3.47	6.12	4.46	3.51	3.52	3.18	4.74	2.07	6.13
11	3.20	3.34	3.50	3.47	5.37	4.36	3.51	3.33	3.12	5.20	---	6.65
12	3.26	3.28	3.55	3.51	5.03	4.28	3.46	3.23	3.03	5.17	---	6.77
13	3.35	3.23	3.64	3.50	5.46	4.22	3.41	3.22	2.96	4.67	---	6.71
14	3.43	3.19	3.72	3.46	6.06	4.15	3.40	3.21	3.25	4.12	---	6.24
15	3.40	3.16	3.92	3.44	7.08	4.10	3.47	3.19	3.60	3.75	---	5.77
16	3.33	3.12	4.08	3.43	7.55	4.09	3.48	3.10	4.01	3.68	4.04	5.60
17	3.25	3.10	4.10	3.41	7.55	4.08	3.39	2.97	4.28	3.77	---	7.61
18	3.17	3.11	3.97	3.43	7.25	4.04	3.28	2.88	4.70	4.19	---	9.72
19	3.12	3.30	3.87	3.44	6.58	4.00	3.17	2.80	5.12	4.39	---	12.26
20	3.08	3.71	3.78	3.54	6.06	3.94	3.10	2.77	5.24	4.34	---	13.05
21	3.06	4.12	3.68	3.61	5.65	3.90	3.02	2.78	4.54	4.08	---	11.82
22	3.03	4.35	3.60	3.56	5.36	3.84	2.94	2.80	4.29	3.77	---	9.47
23	3.02	4.22	3.55	3.47	5.14	3.76	2.90	2.89	4.30	3.50	---	7.76
24	2.98	4.04	3.54	3.41	5.09	3.69	2.85	2.86	4.41	3.21	2.57	6.75
25	2.94	3.88	3.57	3.38	5.09	3.62	2.80	2.77	4.60	2.96	2.61	5.99
26	2.93	3.74	3.63	3.44	5.22	3.56	2.80	2.70	4.87	2.81	2.58	5.58
27	3.00	3.65	3.66	3.68	5.61	3.55	2.81	2.61	5.22	2.70	2.48	5.36
28	3.18	3.60	3.64	4.06	5.91	3.55	2.84	2.52	5.34	2.83	2.40	5.45
29	3.52	3.70	3.59	4.42	6.37	3.53	2.99	2.44	5.31	3.04	2.34	5.63
30	3.79	3.92	3.55	4.70	---	3.52	3.13	2.37	5.09	3.18	2.29	5.78
31	3.94	---	3.53	4.66	---	3.50	---	2.33	---	3.09	2.24	---
MEAN	3.21	3.55	3.68	3.62	5.48	4.29	3.22	3.45	3.92	4.00	---	6.20
MAX	3.94	4.35	4.10	4.70	7.55	6.44	3.54	5.84	5.34	5.20	---	13.05
MIN	2.93	3.10	3.50	3.38	3.82	3.50	2.80	2.33	2.32	2.70	---	2.28

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311303 LONGITUDE 0842815 NAD83 DRAINAGE AREA 1040.00* CONTRIBUTING DRAINAGE AREA DATUM 98.67 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	0.75	0.45	0.06	0.00
2	---	---	---	---	---	---	---	---	0.18	0.00	0.00	0.00
3	---	---	---	---	---	---	---	---	0.74	0.00	0.00	0.00
4	---	---	---	---	---	---	---	---	0.01	0.00	0.00	0.00
5	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.04
6	---	---	---	---	---	---	---	---	0.00	0.00	0.00	3.29
7	---	---	---	---	---	---	---	---	0.01	0.03	0.00	0.23
8	---	---	---	---	---	---	---	---	0.07	0.18	0.00	0.00
9	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	---	0.00	0.00	1.52	0.00
11	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.03
12	---	---	---	---	---	---	---	---	0.01	0.00	0.79	0.00
13	---	---	---	---	---	---	---	---	0.26	0.22	0.00	0.14
14	---	---	---	---	---	---	---	---	0.59	0.00	0.00	0.00
15	---	---	---	---	---	---	---	---	0.40	2.08	0.00	0.07
16	---	---	---	---	---	---	---	---	0.62	0.01	0.11	0.11
17	---	---	---	---	---	---	---	---	0.02	0.00	0.00	0.06
18	---	---	---	---	---	---	---	---	0.00	0.28	0.00	0.03
19	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.02
20	---	---	---	---	---	---	---	---	0.00	0.00	---	0.02
21	---	---	---	---	---	---	---	---	0.07	0.00	---	0.51
22	---	---	---	---	---	---	---	---	0.16	0.00	0.01	0.00
23	---	---	---	---	---	---	---	---	0.55	0.00	0.23	0.00
24	---	---	---	---	---	---	---	---	0.25	0.00	0.00	0.00
25	---	---	---	---	---	---	---	0.00	1.21	0.00	0.00	0.00
26	---	---	---	---	---	---	---	0.00	0.48	0.00	0.00	0.32
27	---	---	---	---	---	---	---	0.00	0.00	0.25	0.00	1.10
28	---	---	---	---	---	---	---	0.00	0.16	0.10	0.00	0.00
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	---	0.00	0.00	0.00	0.06	0.00
31	---	---	---	---	---	---	---	0.18	---	0.00	0.14	---
TOTAL	---	---	---	---	---	---	---	---	6.54	3.60	---	5.97

2004 Water Year

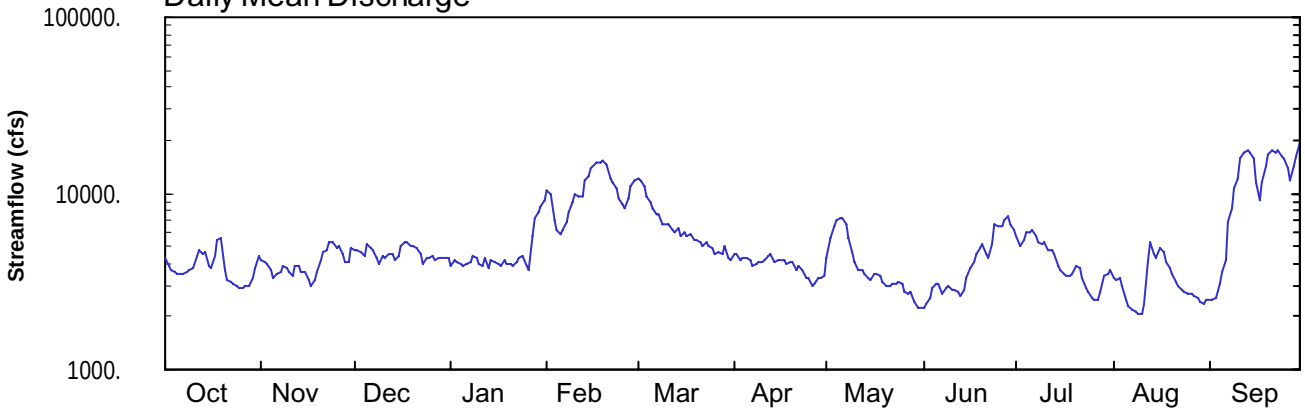
APALACHICOLA RIVER BASIN

02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA

Latitude: 31°08'26" Longitude: 084°28'49" Hydrologic Unit Code: 03130008

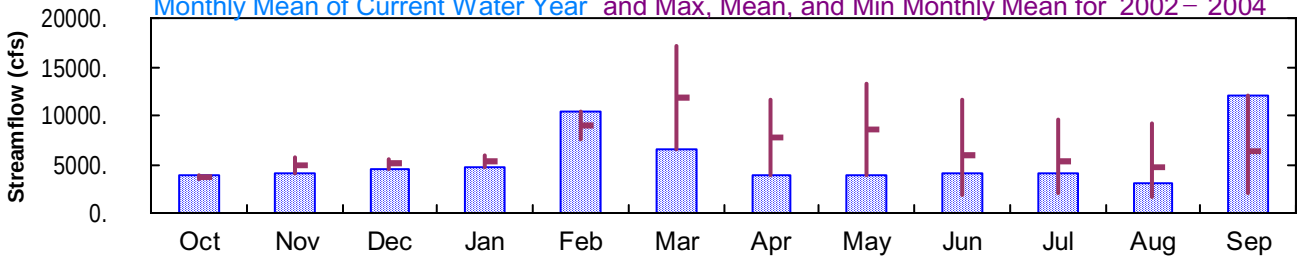
Mitchell County Datum: 62.00 feet Drainage Area: mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02355662 FLINT RIVER AT RIVERVIEW PLANTATION, NEAR HOPEFUL, GA

LOCATION.—Lat 31°08'26", long 84°28'49", referenced to North American Datum (NAD) of 1927, Mitchell County, Hydrologic Unit 03130008, on top of left bank approximately 1.0 mile south of Riverview Plantation headquarters, 3.0 miles downstream of Ichawaynochaway Creek.

DRAINAGE AREA.—7,080 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 8, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 72.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Flow regulated by power plants at Flint River Reservoir since 1921, with a capacity of 7,500 acre-feet; and at Warwick Reservoir since 1930, with a capacity of about 35,000 acre-feet. Normal operation of power plants does not materially affect figures of monthly runoff. Periods of monthly discharge only are not included in statistics computations.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 8, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 72.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.25 feet, September 30; minimum gage-height recorded, 3.91 feet, August 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 8, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 205
LATITUDE 310826 LONGITUDE 0842849 NAD83 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 62.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4330	4130	4810	3910	10400	12300	4550	4320	2220	5650	3270	2480
2	3830	4050	4760	4160	9880	11900	4570	5580	2380	5050	3180	2490
3	3660	3970	4700	4030	7110	11000	4200	6500	2580	5400	3310	2550
4	3570	3700	4460	4010	6180	9540	4310	6960	2900	6070	2960	3040
5	3500	3310	5160	3870	5850	8860	4290	7290	3090	6020	2500	3550
6	3490	3470	4880	3930	6240	8200	4160	7250	3060	6130	2280	4240
7	3470	3580	4810	4050	6940	7670	3920	6630	2670	5650	2190	6920
8	3570	3890	4290	4380	7770	7530	4000	5510	2890	5340	2110	8220
9	3670	3760	3950	4320	8810	6660	4130	4670	3000	5210	2050	10600
10	3780	3570	4370	3980	9750	6690	4120	4090	2850	5220	2060	12300
11	4400	3440	4300	3840	9720	6680	4220	3660	2820	4720	2380	15600
12	4800	3840	4550	4300	9730	6140	4390	3660	2770	4800	4090	17000
13	4530	3820	4560	3750	11800	6070	4500	3530	2590	4520	5310	17500
14	4610	3610	4180	4230	12500	6370	4120	3280	2800	3880	4500	17100
15	3890	3610	4460	4090	13900	5760	4190	3230	3340	3690	4300	16000
16	3760	3220	5020	3990	14800	6060	4240	3510	3740	3460	4930	11400
17	4360	3020	5320	3830	15000	5660	4190	3530	4080	3400	4610	9190
18	5500	3230	5280	4180	15200	5830	3970	3390	4480	3420	4040	11400
19	5510	3540	5080	4000	15400	5440	4030	3180	4930	3480	3730	14200
20	3690	4240	4970	3960	14500	5400	4040	3000	5160	3910	3490	16500
21	3210	4610	4950	3870	12000	5270	3700	3010	4560	3790	3180	17600
22	3110	4820	4480	4110	11500	5060	3870	3060	4310	3300	2990	17000
23	3030	5350	3960	4340	10800	5280	3720	3070	5130	2940	2810	17300
24	2960	5250	4240	4390	9450	5050	3320	3130	6600	2730	2740	16000
25	2900	4950	4250	3870	8570	4890	3280	3090	6590	2580	2720	15900
26	2880	4980	4350	3640	8170	4540	3000	2740	6430	2490	2660	13800
27	2950	4510	4230	5660	9350	4610	3090	2700	7020	2500	2610	11700
28	2980	4040	4300	7280	11000	4550	3290	2770	7440	2720	2550	14100
29	3320	4070	4320	7830	11800	5060	3310	2440	6690	3350	2400	16200
30	3790	4850	4270	8510	---	4320	3430	2260	6190	3520	2350	19400
31	4410	---	4300	9070	---	4180	---	2220	---	3690	2480	---
TOTAL	117460	120430	141560	143380	304120	202570	118150	123260	125310	128630	96780	361280
MEAN	3789	4014	4566	4625	10490	6535	3938	3976	4177	4149	3122	12040
MAX	5510	5350	5320	9070	15400	12300	4570	7290	7440	6130	5310	19400
MIN	2880	3020	3950	3640	5850	4180	3000	2220	2220	2490	2050	2480
MED	3670	3860	4460	4050	9880	5830	4080	3390	3540	3790	2810	14000
AC-FT	233000	238900	280800	284400	603200	401800	234400	244500	248600	255100	192000	716600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	3611	4905	5050	5299	9028	11800	7748	8584	5840	5283	4640	6267
MAX	3789	5796	5533	5973	10490	17070	11560	13190	11540	9579	9174	12040
(WY)	2004	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2004
MIN	3432	4014	4566	4625	7516	6535	3938	3976	1801	2122	1625	1982
(WY)	2003	2004	2004	2004	2003	2004	2004	2004	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	3130900		1982930			
ANNUAL MEAN	8578		5418		7095	
HIGHEST ANNUAL MEAN					8776	2003
LOWEST ANNUAL MEAN					5418	2004
HIGHEST DAILY MEAN	23600	Mar 23	19400	Sep 30	23600	Mar 23 2003
LOWEST DAILY MEAN	2880	Oct 26	2050	Aug 9	1230	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	2970	Oct 22	2220	Aug 5	1280	Sep 8 2002
MAXIMUM PEAK FLOW			20100	Sep 30	23800	Mar 23 2003
MAXIMUM PEAK STAGE			18.25	Sep 30	20.37	Mar 23 2003
INSTANTANEOUS LOW FLOW			2010	Aug 10	1910	Oct 9 2002
ANNUAL RUNOFF (AC-FT)	6210000		3933000		5140000	
10 PERCENT EXCEEDS	16300		10700		14200	
50 PERCENT EXCEEDS	7280		4240		5190	
90 PERCENT EXCEEDS	3760		2810		3060	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 205
LATITUDE 310826 LONGITUDE 0842849 NAD83 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 62.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.31	6.10	6.81	5.86	11.68	13.01	6.20	6.00	4.12	7.16	5.09	4.38
2	5.76	6.01	6.76	6.13	11.29	12.75	6.22	7.09	4.29	6.63	5.01	4.40
3	5.58	5.92	6.70	5.99	8.99	12.03	5.90	8.01	4.48	6.95	5.12	4.46
4	5.49	5.63	6.45	5.97	8.14	10.80	6.00	8.46	4.77	7.59	4.83	4.89
5	5.42	5.22	7.16	5.81	7.84	10.21	5.98	8.78	4.94	7.53	4.40	5.32
6	5.41	5.39	6.88	5.87	8.18	9.62	5.87	8.74	4.91	7.65	4.19	5.93
7	5.38	5.50	6.82	6.01	8.80	9.13	5.65	8.14	4.58	7.17	4.09	8.43
8	5.49	5.83	6.27	6.36	9.51	9.00	5.72	7.04	4.76	6.89	4.01	9.61
9	5.59	5.70	5.89	6.30	10.37	8.17	5.84	6.31	4.86	6.77	3.95	11.66
10	5.71	5.49	6.36	5.93	11.13	8.20	5.83	5.80	4.73	6.78	3.96	13.01
11	6.37	5.36	6.28	5.78	11.09	8.19	5.92	5.41	4.71	6.35	4.28	15.41
12	6.80	5.78	6.55	6.28	11.09	7.66	6.07	5.41	4.66	6.42	5.81	16.31
13	6.51	5.76	6.55	5.68	12.72	7.59	6.17	5.30	4.49	6.18	6.85	16.63
14	6.59	5.53	6.15	6.20	13.23	7.89	5.83	5.09	4.67	5.61	6.16	16.40
15	5.84	5.54	6.45	6.05	14.26	7.28	5.89	5.05	5.14	5.44	5.99	15.64
16	5.69	5.13	7.02	5.94	14.83	7.57	5.93	5.28	5.49	5.24	6.54	12.32
17	6.34	4.93	7.32	5.76	14.97	7.17	5.89	5.30	5.79	5.20	6.26	10.50
18	7.49	5.14	7.28	6.14	15.10	7.34	5.70	5.18	6.15	5.21	5.76	12.36
19	7.50	5.46	7.08	5.95	15.28	6.96	5.75	5.01	6.53	5.26	5.48	14.45
20	5.62	6.21	6.97	5.91	14.66	6.92	5.75	4.86	6.72	5.64	5.26	15.96
21	5.12	6.60	6.95	5.81	12.84	6.83	5.45	4.87	6.22	5.53	5.01	16.71
22	5.03	6.82	6.47	6.08	12.43	6.64	5.61	4.91	6.00	5.11	4.85	16.31
23	4.95	7.34	5.90	6.32	11.83	6.82	5.47	4.92	6.72	4.81	4.70	16.48
24	4.87	7.25	6.21	6.38	10.71	6.63	5.12	4.97	8.11	4.63	4.64	15.67
25	4.81	6.95	6.22	5.81	9.95	6.50	5.09	4.93	8.10	4.49	4.62	15.61
26	4.79	6.99	6.33	5.57	9.59	6.19	4.86	4.64	7.94	4.39	4.57	14.14
27	4.86	6.50	6.21	7.61	10.63	6.25	4.93	4.60	8.52	4.41	4.52	12.61
28	4.89	5.99	6.27	9.15	11.98	6.21	5.09	4.67	8.92	4.61	4.45	14.40
29	5.23	6.02	6.30	9.62	12.63	6.64	5.12	4.34	8.20	5.15	4.30	15.77
30	5.73	6.85	6.25	10.19	---	6.00	5.22	4.17	7.71	5.30	4.25	17.83
31	6.39	---	6.28	10.65	---	5.89	---	4.12	---	5.44	4.38	---
MEAN	5.73	5.96	6.55	6.55	11.58	8.00	5.67	5.72	5.91	5.86	4.95	12.45
MAX	7.50	7.34	7.32	10.65	15.28	13.01	6.22	8.78	8.92	7.65	6.85	17.83
MIN	4.79	4.93	5.89	5.57	7.84	5.89	4.86	4.12	4.12	4.39	3.95	4.38

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 205
LATITUDE 310826 LONGITUDE 0842849 NAD83 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 62.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.13	0.51	0.07	0.14	0.00
2	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.14	0.10	0.12	0.00	0.00
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.81	0.00	0.00	0.00
4	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24
6	0.00	0.00	0.00	0.00	1.72	0.05	0.00	0.00	0.01	0.00	0.00	2.80
7	0.55	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.25
8	0.03	0.00	0.00	0.03	0.00	0.00	0.46	0.00	0.83	1.39	0.00	0.00
9	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.03	0.00	0.16	---	0.12	0.00	0.00	0.00	0.00	0.00	1.59	0.03
11	0.56	0.00	0.00	0.00	0.30	0.00	0.00	0.01	0.00	0.00	0.00	0.00
12	0.22	0.00	0.00	0.02	---	0.00	0.14	0.00	0.00	0.00	0.77	0.00
13	0.00	0.00	0.28	0.00	---	0.00	0.24	0.00	0.37	0.01	0.00	0.17
14	0.00	0.00	0.55	0.00	---	0.00	0.01	0.00	0.49	0.00	0.00	0.00
15	0.00	0.00	0.01	0.00	---	0.00	0.00	0.00	0.63	1.44	0.00	0.51
16	0.00	0.00	0.00	0.00	---	0.08	0.00	0.01	0.52	0.02	0.00	1.82
17	0.00	0.00	0.19	0.10	---	0.03	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.49	0.00	0.25	---	0.00	0.00	0.00	0.00	0.47	0.00	0.00
19	0.00	0.48	0.00	0.00	---	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	2.66	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.01	0.00
23	0.00	0.00	0.31	0.00	0.52	0.00	0.00	0.00	0.01	0.00	1.10	0.00
24	0.00	0.28	0.01	0.00	---	0.00	0.00	0.00	0.42	0.17	0.00	0.00
25	0.02	0.00	0.00	0.00	---	0.00	0.00	0.00	0.66	0.00	0.00	0.00
26	0.69	0.00	0.00	2.55	---	0.00	0.57	0.00	0.43	0.05	0.00	0.33
27	0.10	0.00	0.00	---	---	0.00	0.00	0.00	0.08	0.21	0.00	0.81
28	1.19	0.47	0.00	---	---	0.00	0.00	0.00	0.01	0.04	0.00	0.00
29	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.28	0.00	---	0.56	2.06	0.00	0.00	0.00	0.14	0.00
31	0.00	---	0.00	0.00	---	0.01	---	0.44	---	0.00	0.15	---
TOTAL	3.39	1.72	1.83	---	---	0.73	3.51	0.77	6.03	3.99	6.56	6.96

2004 Water Year

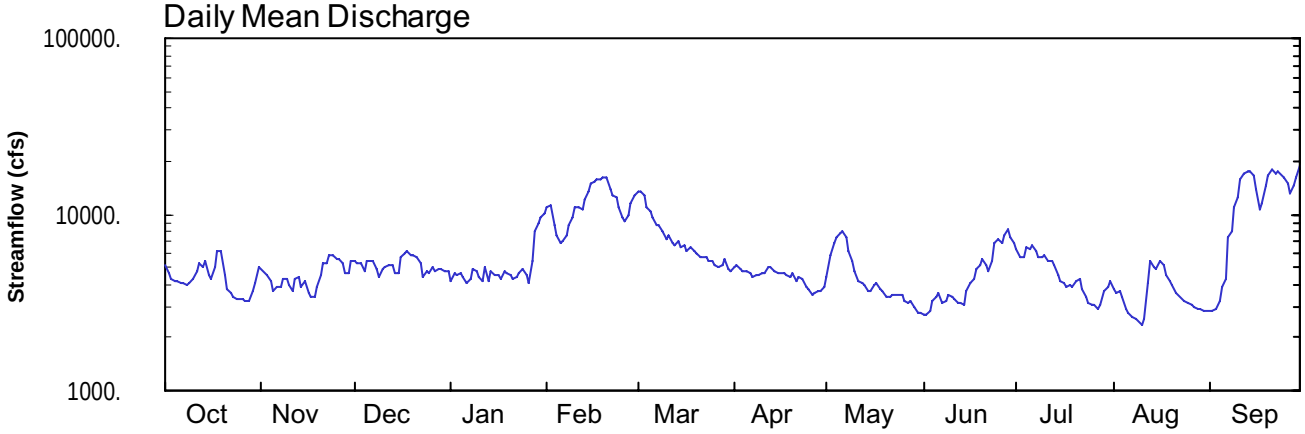
APALACHICOLA RIVER BASIN

02356000 FLINT RIVER AT BAINBRIDGE, GA

Latitude: 30°54'41" Longitude: 084°34'48" Hydrologic Unit Code: 03130008

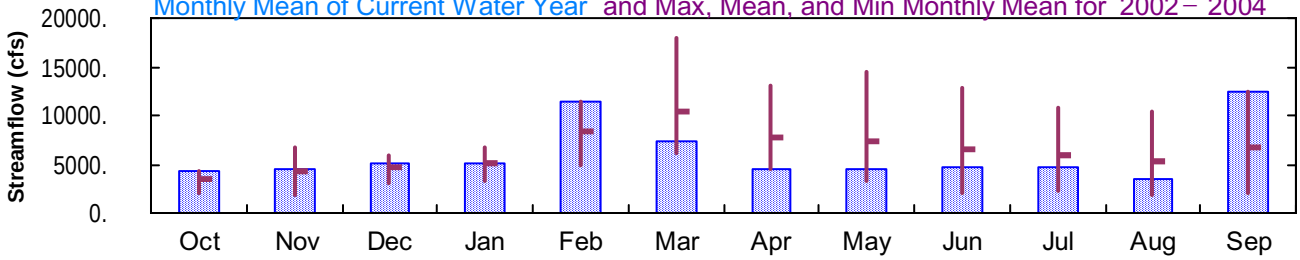
Decatur County Datum: 58.06 feet Drainage Area: 7570. mi²

Daily Mean Discharge

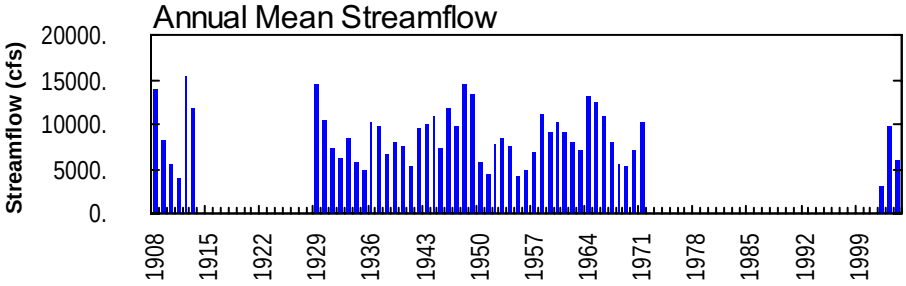


Monthly Statistics

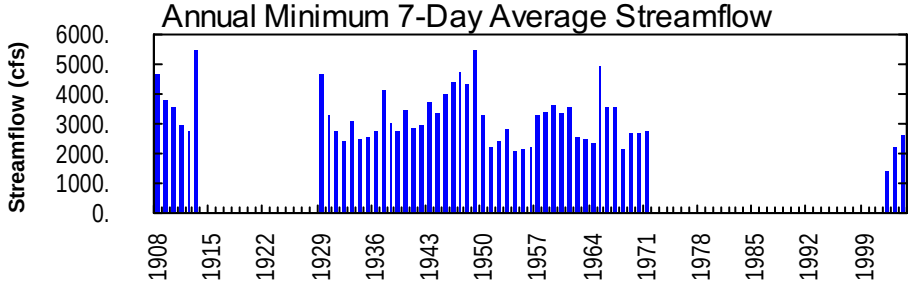
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



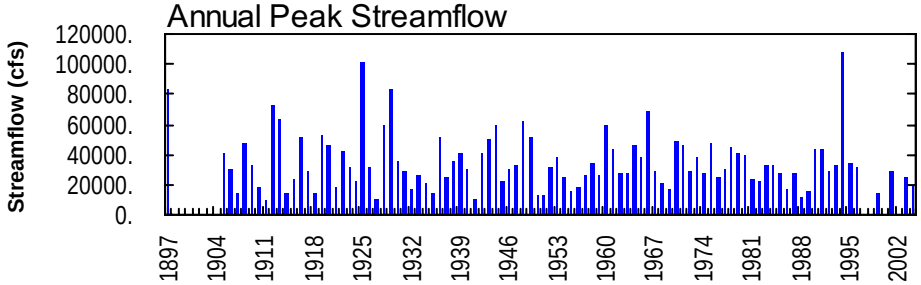
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2004 Water Year

02356000 FLINT RIVER AT BAINBRIDGE, GA

LOCATION.—Lat 30°54'41", long 84°34'48", referenced to North American Datum (NAD) of 1927, Decatur County, Hydrologic Unit 03130008, on downstream side of bridge on US 27 (Business Route), 0.2 miles downstream from Seaboard Coast Line Railroad bridge, and 29.2 miles upstream from Jim Woodruff Dam, and at mile 29.0.

DRAINAGE AREA.—7,570 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1907 to December 1913, October 1928 to September 1971, October 1971 to July 1976 (annual peaks only), October 1, 2001 to September 30, 2002.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 58.06 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to December 31, 1913, a non-recording gage was located at same site at datum 0.3 feet higher. From October 1, 1928 to January 14, 1929, a non-recording gage was located at present site and datum. An auxiliary water-stage recorder was located at a site 6.4 miles upstream January 15, 1957 to September 1971.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by power plants at Flint River Reservoir since 1921, with a capacity of 7,500 acre-feet; and at Warwick Reservoir since 1930, with a capacity of about 35,000 acre-feet. Normal operation of power plants does not materially affect figures of monthly runoff.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 108,000 cfs July 14, 1994; gage-height, 37.20 feet; minimum daily, 1,340 cfs, Sept. 25, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1893, 40.9 feet, present datum, Jan. 24, 1925, discharge 101,000 cfs, from rating curve extended above 70,000 cfs on the basis of slope-conveyance studies.

02356000 FLINT RIVER AT BAINBRIDGE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—1904 to 1907, October 1907 to December 1913, October 1928 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 58.06 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to December 31, 1913, a non-recording gage was located at same site at datum 0.3 feet higher. From October 1, 1928 to January 14, 1929, a non-recording gage was located at present site and datum. An auxiliary water-stage recorder was located at a site 6.4 miles upstream January 15, 1957 to September 1971.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.45 feet, September 30; minimum gage-height recorded, 12.63 feet, August 9.

WATER-VELOCITY RECORDS

PERIOD OF RECORD.—April 18, 2001 to current year.

GAGE.—Acoustic velocity meter. Data represents the average water velocity at the downstream cross-section of the bridge with positive values in the downstream direction.

REMARKS.—Records good.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 18, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02356000 FLINT RIVER AT BAINBRIDGE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305441 LONGITUDE 0843448 NAD27 DRAINAGE AREA 7570.00* CONTRIBUTING DRAINAGE AREA DATUM 58.06 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5150	4870	e5370	4230	11000	13600	5010	4420	2660	6340	3760	2810
2	4610	4610	5230	4640	11300	13400	5110	5920	2700	5710	3580	2810
3	4340	4560	5230	4550	8620	12700	4840	6770	2840	5740	3640	2870
4	4220	4210	4810	e4610	e7520	11000	4770	7330	3260	6580	3410	3250
5	4150	3640	5400	4370	6900	10400	4770	7890	3430	6410	2940	3850
6	4120	3860	5420	4120	7030	9600	4650	8010	3560	6660	2750	4320
7	4080	3910	5400	4250	7640	8690	4400	7400	3160	6220	2610	7400
8	3930	4300	4890	4910	8570	8620	4500	6260	3260	5780	2570	8090
9	4100	4240	4370	4780	9630	7930	4490	5410	3460	5680	2500	10900
10	4250	3950	4920	4360	10800	7290	4600	4780	3410	5860	2340	12400
11	4740	3720	5000	4220	10900	7630	4680	4160	3290	5370	2560	15600
12	5350	4320	5190	5060	10800	6890	4970	4060	3170	5480	4120	17000
13	e5030	4420	5160	4210	12100	6740	5010	3960	3160	5130	5490	17300
14	5480	3860	4670	4730	13300	6990	4770	3700	3070	4570	5030	17300
15	4560	4210	4670	4550	14800	6570	4590	3660	3630	4160	4870	16600
16	4280	3570	5750	4520	15400	6680	4660	3990	4070	4050	5410	13800
17	5020	3410	6000	4320	15700	6230	4690	4080	4270	3920	5140	10600
18	6150	3380	6240	4790	15800	6580	4550	3820	4950	3970	4540	11600
19	6220	3910	5820	4600	16200	6160	4420	3650	5160	3910	4200	14400
20	4490	4580	5790	4510	16200	6070	4680	3370	5630	4200	3930	16400
21	3740	5270	5710	4300	13800	5770	4200	3410	5180	4320	3590	17800
22	3620	5340	5270	4440	12800	5670	4350	3440	4720	3770	3480	17200
23	3390	e5920	4370	4630	12400	5740	4260	3490	5390	3360	3340	17600
24	3330	e5880	4730	4940	11100	5460	3860	3530	6790	3160	3240	16600
25	3280	5620	4670	4470	9660	5420	3770	3510	7280	3040	3120	16200
26	3310	5570	5000	4020	9190	5150	3520	3220	6930	3040	3040	15000
27	3240	e5290	4700	5400	9800	5060	3580	3130	7630	2880	2940	13000
28	3190	e4660	4930	8000	11600	5160	3650	3250	8220	3060	2930	14400
29	e3690	e4700	4940	8830	12800	5620	3700	2960	7390	3670	2870	16000
30	4090	e5410	4720	9650	---	4920	3820	2750	6800	3850	2810	18700
31	4970	---	4780	10200	---	4760	---	2730	---	4140	2810	---
TOTAL	134120	135190	159150	159210	333360	228500	132870	138060	138470	144030	109560	371800
MEAN	4326	4506	5134	5136	11500	7371	4429	4454	4616	4646	3534	12390
MAX	6220	5920	6240	10200	16200	13600	5110	8010	8220	6660	5490	18700
MIN	3190	3380	4370	4020	6900	4760	3520	2730	2660	2880	2340	2810
CFSM	0.57	0.60	0.68	0.68	1.52	0.97	0.59	0.59	0.61	0.61	0.47	1.64
IN.	0.66	0.66	0.78	0.78	1.64	1.12	0.65	0.68	0.68	0.71	0.54	1.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	3377	4349	4711	5105	8330	10510	7729	7437	6534	5891	5278	6715
MAX	4326	6643	6011	6825	11500	17980	13000	14550	12920	10790	10460	12390
(WY)	2004	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2004
MIN	2098	1897	2989	3355	4934	6175	4429	3314	2066	2241	1839	2091
(WY)	2002	2002	2002	2002	2002	2002	2004	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	3490870		2184320			
ANNUAL MEAN	9564		5968		6316	
HIGHEST ANNUAL MEAN					9762	2003
LOWEST ANNUAL MEAN					3219	2002
HIGHEST DAILY MEAN	23900	Mar 23	18700	Sep 30	23900	Mar 23 2003
LOWEST DAILY MEAN	3190	Oct 28	2340	Aug 10	1190	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	3340	Oct 22	2610	Aug 5	1430	Sep 8 2002
MAXIMUM PEAK FLOW			20300	Sep 30	25200	Mar 23 2003
MAXIMUM PEAK STAGE			21.45	Sep 30	22.64	Mar 23 2003
ANNUAL RUNOFF (CFSM)	1.26		0.788		0.834	
ANNUAL RUNOFF (INCHES)	17.15		10.73		11.34	
10 PERCENT EXCEEDS	17300		11400		13200	
50 PERCENT EXCEEDS	8660		4730		4760	
90 PERCENT EXCEEDS	4230		3240		2080	

e Estimated

STATION NUMBER 02356000 FLINT RIVER AT BAINBRIDGE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305441 LONGITUDE 0843448 NAD27 DRAINAGE AREA 7570.00* CONTRIBUTING DRAINAGE AREA DATUM 58.06 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.96	19.07	---	19.24	19.31	20.40	18.87	18.58	17.81	19.29	18.51	17.91
2	18.73	19.01	19.76	19.23	19.64	20.33	18.96	18.83	17.91	19.20	18.46	17.96
3	18.52	19.00	19.70	19.22	19.39	20.09	18.91	19.06	18.09	19.25	18.49	18.00
4	18.43	19.09	19.67	---	---	19.75	18.84	19.26	18.22	19.39	18.50	18.06
5	18.32	18.99	19.80	19.08	19.28	19.57	18.76	19.36	18.25	19.41	18.46	18.06
6	18.24	19.00	19.83	19.15	19.47	19.51	18.75	19.45	18.21	19.48	18.31	17.99
7	18.20	19.07	19.77	19.19	19.90	19.41	18.68	19.39	18.16	19.54	18.11	18.60
8	18.36	19.09	19.71	19.26	19.89	19.32	18.66	19.20	18.08	19.48	17.90	19.08
9	18.58	18.98	19.46	19.27	19.89	19.23	18.63	18.95	18.06	19.44	17.74	19.59
10	18.71	18.93	19.32	19.19	19.78	19.30	18.67	18.75	18.00	19.35	17.79	19.81
11	18.83	18.87	19.15	18.94	19.74	19.48	18.65	18.72	17.96	19.11	18.10	20.31
12	19.15	18.99	19.04	18.71	19.84	19.48	18.64	18.71	18.04	18.90	18.30	20.71
13	---	19.06	19.00	18.67	20.15	19.35	18.79	18.75	18.02	18.81	18.28	20.98
14	19.19	18.99	19.14	18.67	20.51	19.33	18.66	18.67	18.07	18.77	18.32	21.08
15	19.05	19.00	19.23	18.67	20.68	19.29	18.56	18.51	18.26	18.72	18.21	20.76
16	18.95	18.96	19.52	18.64	20.80	19.36	18.61	18.36	18.44	18.73	18.33	20.41
17	18.96	18.92	19.46	18.55	20.74	19.39	18.65	18.18	18.57	18.78	18.50	20.00
18	19.05	18.90	19.23	18.41	20.57	19.36	18.51	18.15	18.62	18.79	18.57	20.27
19	19.20	19.14	19.11	18.24	20.71	19.18	18.46	18.22	18.70	18.73	18.64	20.79
20	19.21	19.08	19.08	18.28	20.78	19.10	18.50	18.33	18.83	18.77	18.61	20.53
21	19.18	19.08	19.01	18.39	20.29	19.10	18.40	18.31	18.81	18.82	18.49	20.73
22	19.02	19.21	18.97	18.64	19.81	18.95	18.35	18.34	18.89	18.84	18.30	20.64
23	19.04	---	18.98	19.01	19.47	19.08	18.29	18.31	19.08	18.82	18.11	20.71
24	18.99	---	19.05	19.23	19.26	19.19	18.15	18.28	19.22	18.78	18.06	20.55
25	18.87	19.49	18.95	19.18	19.13	19.22	18.09	18.25	19.35	18.73	18.08	20.50
26	18.76	19.49	18.91	19.14	19.05	19.12	18.08	18.22	19.34	18.55	18.10	20.24
27	18.79	---	18.88	19.55	19.49	18.98	18.08	18.14	19.37	18.51	18.12	19.88
28	18.94	---	18.80	20.11	20.06	18.90	18.07	18.11	19.43	18.52	18.09	20.20
29	---	---	18.86	19.76	20.34	18.87	18.10	18.02	19.36	18.52	17.99	20.68
30	19.05	---	19.06	19.49	---	18.83	18.34	17.95	19.36	18.55	17.83	21.26
31	19.05	---	19.17	19.21	---	18.86	---	17.84	---	18.59	17.86	---
MEAN	---	---	---	---	---	19.33	18.52	18.55	18.55	18.94	18.23	19.88
MAX	---	---	---	---	---	20.40	18.96	19.45	19.43	19.54	18.64	21.26
MIN	---	---	---	---	---	18.83	18.07	17.84	17.81	18.51	17.74	17.91

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02356000 FLINT RIVER AT BAINBRIDGE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305441 LONGITUDE 0843448 NAD27 DRAINAGE AREA 7570.00* CONTRIBUTING DRAINAGE AREA DATUM 58.06 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.13	0.56	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.01	0.47	0.12	0.00	0.16
3	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.08	0.11	0.00	0.00	0.00
4	0.00	0.02	0.14	0.00	0.00	0.00	0.00	0.01	0.01	0.07	0.00	0.00
5	0.00	0.00	0.01	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
6	0.00	0.00	0.00	0.00	1.45	0.02	0.00	0.00	0.06	0.01	0.00	1.71
7	0.20	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.04	0.00	0.00	0.04
8	0.00	0.00	0.00	0.02	0.00	0.00	0.35	0.00	0.00	0.06	0.00	0.00
9	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
10	0.03	0.00	0.50	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.59	0.46
11	1.50	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.11	0.00
12	0.17	0.00	0.00	0.00	0.84	0.00	0.15	0.02	0.10	0.00	0.60	0.00
13	0.00	0.00	0.38	0.00	0.23	0.00	0.19	0.00	0.61	0.43	0.00	0.09
14	0.00	0.00	0.51	0.00	1.09	0.00	0.00	0.00	0.79	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.54	1.45	0.00	0.14
16	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.18	0.96	1.65	2.15
17	0.00	0.00	0.35	0.05	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
18	0.00	0.38	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
19	0.00	0.69	0.00	0.00	0.00	0.00	0.00	1.14	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.44	0.00
23	0.00	0.00	0.48	0.00	0.84	0.00	0.00	0.00	0.26	0.00	0.26	0.00
24	0.00	0.46	0.02	0.00	0.50	0.00	0.00	0.00	0.56	0.02	0.00	0.00
25	0.01	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.56	0.00	0.00	3.24	0.07	0.00	0.93	0.00	0.41	0.00	0.00	0.28
27	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.90	0.00	0.83
28	1.17	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.30	0.00
29	0.01	0.00	0.01	0.00	0.00	0.12	0.01	0.00	0.00	0.00	0.07	0.00
30	0.00	0.00	0.29	0.00	---	0.31	1.80	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	1.47	---	0.00	0.00	---
TOTAL	3.79	2.09	2.69	3.97	6.60	0.59	3.52	2.93	5.63	4.11	4.03	6.06

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02356000 FLINT RIVER AT BAINBRIDGE, GA SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305441 LONGITUDE 0843448 NAD27 DRAINAGE AREA 7570.00* CONTRIBUTING DRAINAGE AREA DATUM 58.06 NGVD29

Stream velocity, feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.55	0.51	---	0.44	1.15	1.32	0.53	0.48	0.30	0.66	0.41	0.32
2	0.49	0.49	0.53	0.48	1.16	1.31	0.54	0.63	0.30	0.60	0.39	0.32
3	0.47	0.48	0.53	0.47	0.89	1.26	0.51	0.71	0.32	0.60	0.39	0.32
4	0.46	0.44	0.49	---	---	1.11	0.51	0.76	0.36	0.68	0.37	0.36
5	0.46	0.38	0.55	0.46	0.72	1.06	0.51	0.82	0.38	0.66	0.32	0.43
6	0.46	0.41	0.55	0.43	0.72	0.99	0.50	0.82	0.39	0.68	0.30	0.48
7	0.45	0.41	0.55	0.44	0.77	0.90	0.47	0.76	0.35	0.64	0.29	0.80
8	0.43	0.45	0.50	0.51	0.86	0.89	0.49	0.65	0.36	0.59	0.29	0.85
9	0.44	0.45	0.45	0.50	0.97	0.83	0.49	0.57	0.39	0.59	0.29	1.11
10	0.46	0.42	0.51	0.46	1.09	0.76	0.50	0.51	0.38	0.61	0.27	1.25
11	0.51	0.40	0.52	0.45	1.10	0.78	0.50	0.45	0.37	0.56	0.29	1.53
12	0.56	0.46	0.55	0.54	1.09	0.71	0.54	0.44	0.35	0.58	0.45	1.63
13	---	0.47	0.55	0.45	1.20	0.70	0.54	0.42	0.35	0.55	0.61	1.64
14	0.57	0.41	0.49	0.51	1.29	0.72	0.51	0.40	0.34	0.49	0.55	1.62
15	0.48	0.45	0.49	0.49	1.42	0.68	0.50	0.40	0.40	0.45	0.54	1.59
16	0.45	0.38	---	0.49	1.47	0.69	0.50	0.44	0.44	0.43	0.59	1.35
17	0.53	0.36	0.62	0.47	1.50	0.64	0.50	0.45	0.46	0.42	0.56	1.06
18	0.65	0.36	0.65	0.52	1.53	0.68	0.49	0.42	0.53	0.42	0.49	1.14
19	0.65	0.41	0.61	0.51	1.56	0.64	0.48	0.40	0.55	0.42	0.45	1.38
20	0.47	0.48	0.61	0.50	1.54	0.64	0.51	0.38	0.60	0.45	0.42	1.59
21	0.39	0.55	0.60	0.47	1.35	0.61	0.46	0.37	0.55	0.46	0.39	1.71
22	0.38	0.56	0.56	0.48	1.30	0.60	0.48	0.38	0.50	0.40	0.38	1.66
23	0.36	---	0.46	0.49	1.28	0.60	0.47	0.38	0.57	0.36	0.37	1.69
24	0.35	---	0.50	0.51	1.15	0.57	0.43	0.39	0.71	0.34	0.36	1.61
25	0.35	0.58	0.49	0.47	1.01	0.57	0.42	0.39	0.75	0.33	0.35	1.57
26	0.36	0.57	0.53	0.42	0.97	0.54	0.39	0.36	0.72	0.33	0.34	1.48
27	0.35	---	0.50	0.55	1.01	0.54	0.40	0.35	0.79	0.31	0.33	1.30
28	0.34	---	0.53	0.79	1.16	0.55	0.41	0.36	0.85	0.33	0.33	1.42
29	---	---	0.53	0.89	1.25	0.60	0.41	0.33	0.76	0.40	0.32	1.54
30	0.43	---	0.50	0.99	---	0.52	0.42	0.31	0.70	0.42	0.32	1.74
31	0.52	---	0.50	1.06	---	0.51	---	0.31	---	0.45	0.32	---
MEAN	---	---	---	---	---	0.76	0.48	0.48	0.49	0.49	0.39	1.22
MAX	---	---	---	---	---	1.32	0.54	0.82	0.85	0.68	0.61	1.74
MIN	---	---	---	---	---	0.51	0.39	0.31	0.30	0.31	0.27	0.32

APALACHICOLA RIVER BASIN
2004 Water Year

02356640 SPRING CREEK AT US 27, AT COLQUITT, GA

LOCATION.—Lat 31°10'16", long 84°44'31", referenced to North American Datum (NAD) of 1983, Miller County, Hydrologic Unit 03130010, at US 27 at Colquitt.

DRAINAGE AREA.—281 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1981 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 120.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined. Gage vandalized during period of estimated peak. No high water marks available.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 15.91 feet, March 10, 1998
DISCHARGE: 20,500 cfs, March 10, 1998

MAXIMUM FOR CURRENT YEAR.—
STAGE: unknown, September 19
DISCHARGE: unknown, September 19

2004 Water Year

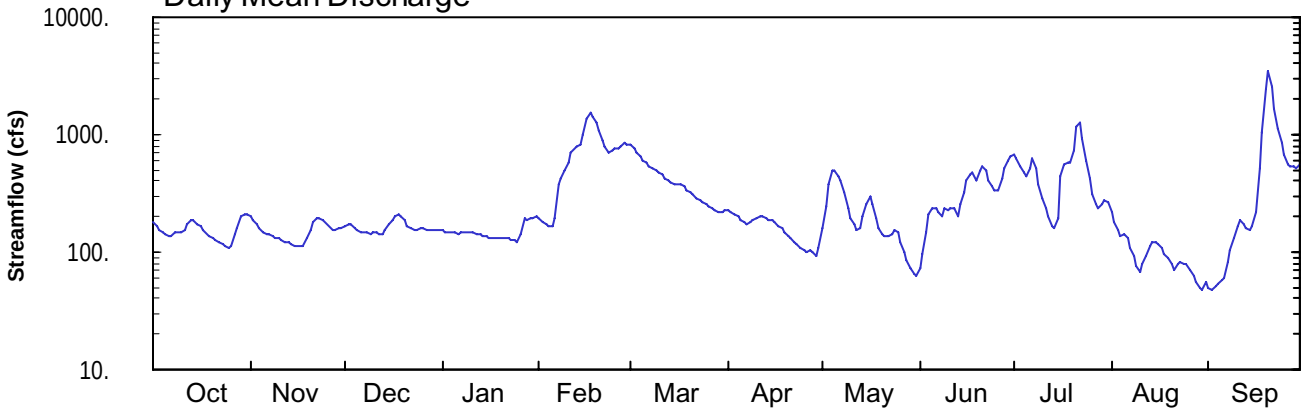
APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA

Latitude: 31°02'25" Longitude: 084°44'24" Hydrologic Unit Code: 03130010

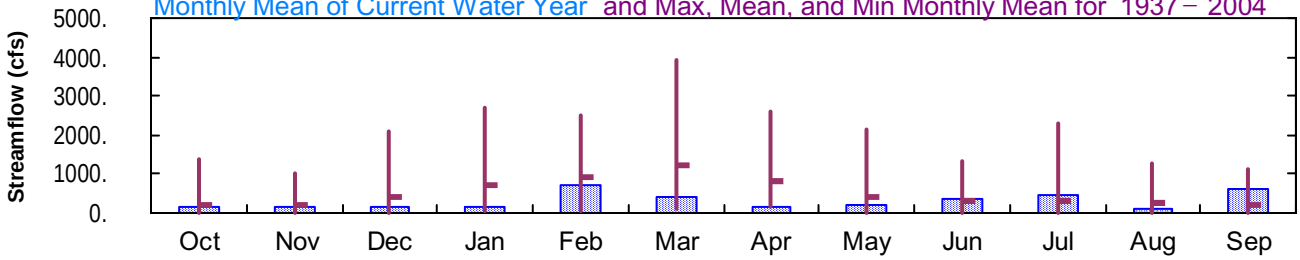
Decatur County Datum: 85.70 feet Drainage Area: 485. mi²

Daily Mean Discharge

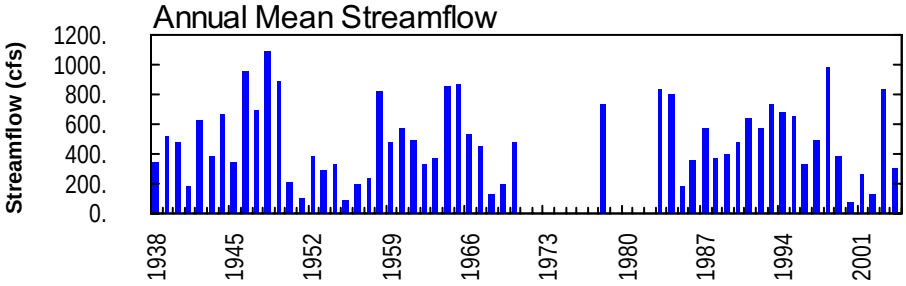


Monthly Statistics

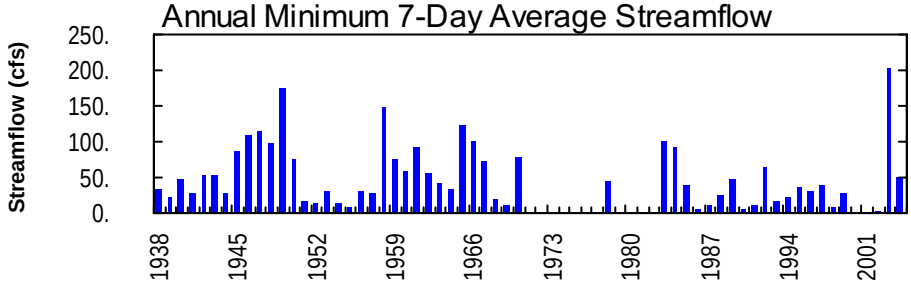
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004

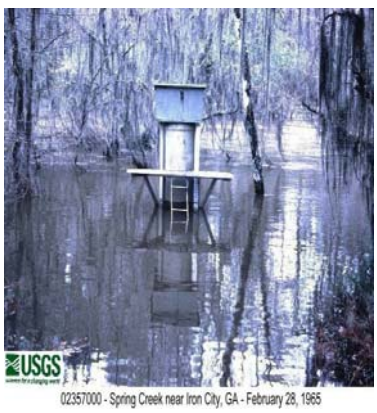


Annual Mean Streamflow

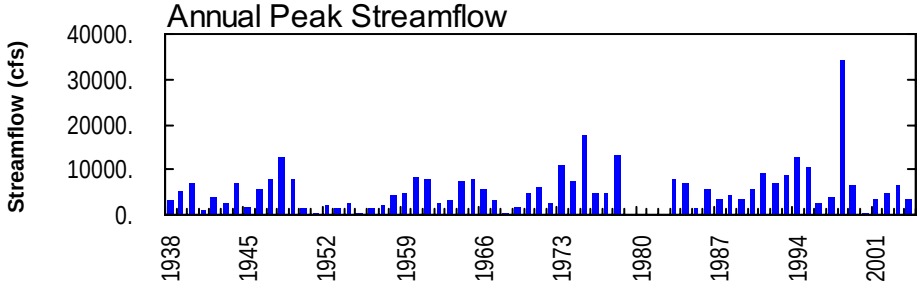


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02357000 SPRING CREEK NEAR IRON CITY, GA

LOCATION.—Lat 31°02'23", long 84°44'18", referenced to North American Datum (NAD) of 1927, Decatur County, Hydrologic Unit 03130010, on right bank 25.0 feet downstream from county bridge, 1.5 miles downstream from Aycock Creek, 1.5 miles upstream from Dry Creek, 5.0 miles north of Brinson, and 5.5 miles northeast of Iron City.

DRAINAGE AREA.—485 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year. Monthly discharge only for November 1920 to June 1921, published in WSP 1304.

REVISED RECORDS.—WDR GA-91-1: 1983-84.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 85.7 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 21, 1920 to June 30, 1921, a non-recording gage was located at site 125 feet upstream at different datum. From June 11, 1937 to October 17, 1952, a non-recording gage was located at site 125 feet upstream at present datum. From October 18, 1952 to April 1971, a recording gage was located at same site and datum as present. From May 1971 to December 1976, a non-recording gage was located at same site and datum as present.

REMARKS.—Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges above base of 2,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/20	0830	3,610*	14.03*

No other peaks above base discharge

02357000 SPRING CREEK NEAR IRON CITY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year. Monthly discharge only for November 1920 to June 1921, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 85.7 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 21, 1920 to June 30, 1921, a non-recording gage was located at site 125 feet upstream at different datum. From June 11, 1937 to October 17, 1952, a non-recording gage was located at site 125 feet upstream at present datum. From October 18, 1952 to April 1971, a recording gage was located at same site and datum as present. From May 1971 to December 1976, a non-recording gage was located at same site and datum as present.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.03 feet, September 20; minimum gage-height recorded, 1.82 feet, August 30.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 1, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02357000 SPRING CREEK NEAR IRON CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 310225 LONGITUDE 0844424 NAD83 DRAINAGE AREA 485.00* CONTRIBUTING DRAINAGE AREA DATUM 85.70 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	199	168	151	196	821	224	162	73	676	220	49
2	165	185	172	150	183	774	216	245	97	622	182	48
3	155	170	171	149	174	704	208	371	145	542	155	51
4	147	158	163	147	168	643	199	501	208	471	136	53
5	142	150	155	145	165	604	189	492	240	444	142	58
6	138	144	150	145	195	574	180	445	240	520	130	61
7	135	140	148	146	383	545	174	414	221	616	109	81
8	147	137	145	148	425	522	178	316	202	518	91	102
9	148	133	143	147	503	499	186	239	237	380	76	132
10	146	129	145	148	588	475	192	197	223	291	68	164
11	154	127	146	146	700	453	200	170	233	235	79	186
12	174	124	141	143	763	431	201	154	233	199	94	174
13	184	120	141	141	799	412	195	158	202	169	111	161
14	184	116	156	139	829	396	189	205	255	161	121	152
15	176	114	173	136	1010	382	184	256	326	192	122	168
16	164	113	190	133	1370	376	177	299	414	440	116	215
17	153	111	202	131	1540	373	169	254	453	550	106	508
18	143	111	206	134	1440	357	158	191	474	578	97	1040
19	136	131	200	133	1280	339	147	160	410	580	89	2490
20	130	155	184	132	1080	321	138	143	489	722	80	3470
21	126	180	169	130	903	306	131	135	540	1180	71	2580
22	121	193	160	129	788	288	123	136	498	1250	79	1640
23	118	195	155	127	712	274	117	142	406	908	83	1110
24	113	189	155	124	725	263	109	151	369	609	79	844
25	109	177	157	122	757	254	103	146	335	417	78	679
26	112	165	157	145	771	243	100	124	333	307	70	562
27	141	156	157	196	803	235	102	101	429	254	62	533
28	158	154	156	188	846	226	100	85	511	238	55	528
29	199	161	154	191	834	220	93	74	610	258	50	517
30	210	163	153	195	---	221	108	66	663	274	48	550
31	211	---	151	203	---	230	---	64	---	265	56	---
TOTAL	4718	4500	5023	4594	20930	12761	4790	6596	10069	14866	3055	18906
MEAN	152	150	162	148	722	412	160	213	336	480	98.5	630
MAX	211	199	206	203	1540	821	224	501	663	1250	220	3470
MIN	109	111	141	122	165	220	93	64	73	161	48	48
CFSM	0.31	0.31	0.33	0.31	1.49	0.85	0.33	0.44	0.69	0.99	0.20	1.30
IN.	0.36	0.35	0.39	0.35	1.61	0.98	0.37	0.51	0.77	1.14	0.23	1.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	220	197	400	703	908	1242	834	394	289	301	260	211
MAX	1377	1042	2101	2689	2515	3909	2577	2165	1325	2310	1291	1133
(WY)	1999	1948	1949	1993	1983	1998	1944	1946	1989	1994	1939	1937
MIN	1.06	7.21	15.9	35.1	64.6	78.6	160	25.2	1.80	0.80	0.13	0.08
(WY)	2001	2002	2002	2002	2002	1955	2004	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	251596		110808			
ANNUAL MEAN	689		303		492	
HIGHEST ANNUAL MEAN					1096	1948
LOWEST ANNUAL MEAN					82.1	2000
HIGHEST DAILY MEAN	6460	Apr 11	3470	Sep 20	32000	Mar 10 1998
LOWEST DAILY MEAN	109	Oct 25	48	Aug 30 a	0.00	Aug 25 2000
ANNUAL SEVEN-DAY MINIMUM	116	Nov 12	51	Aug 29	0.00	Aug 25 2000
MAXIMUM PEAK FLOW			3610	Sep 20	34500	Mar 10 1998
MAXIMUM PEAK STAGE			14.03	Sep 20	24.40	Mar 10 1998
INSTANTANEOUS LOW FLOW			45	Aug 30	0.00	Aug 25 2000
ANNUAL RUNOFF (CFSM)	1.42		0.624		1.02	
ANNUAL RUNOFF (INCHES)	19.30		8.50		13.79	
10 PERCENT EXCEEDS	1560		649		1180	
50 PERCENT EXCEEDS	435		176		229	
90 PERCENT EXCEEDS	148		102		43	

a Also Sep 2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02357000 SPRING CREEK NEAR IRON CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 310225 LONGITUDE 0844424 NAD83 DRAINAGE AREA 485.00* CONTRIBUTING DRAINAGE AREA DATUM 85.70 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.45	3.62	3.35	3.18	3.60	7.59	3.86	3.25	2.19	6.83	3.82	1.88
2	3.32	3.51	3.39	3.17	3.49	7.34	3.79	4.04	2.48	6.54	3.46	1.86
3	3.22	3.37	3.38	3.16	3.40	6.98	3.71	4.99	3.07	6.08	3.18	1.90
4	3.14	3.25	3.30	3.14	3.35	6.65	3.63	5.82	3.72	5.64	2.97	1.94
5	3.09	3.17	3.22	3.13	3.32	6.43	3.53	5.77	4.00	5.46	3.04	2.00
6	3.05	3.11	3.17	3.12	3.58	6.25	3.44	5.47	4.01	5.94	2.90	2.04
7	3.02	3.07	3.16	3.13	4.99	6.07	3.38	5.28	3.83	6.51	2.64	2.29
8	3.14	3.04	3.12	3.15	5.27	5.92	3.42	4.61	3.66	5.93	2.41	2.56
9	3.15	3.00	3.10	3.14	5.79	5.78	3.50	4.00	3.98	5.05	2.23	2.92
10	3.13	2.96	3.12	3.15	6.32	5.63	3.57	3.61	3.86	4.43	2.13	3.27
11	3.21	2.92	3.13	3.13	6.95	5.48	3.63	3.34	3.95	3.96	2.27	3.50
12	3.41	2.89	3.08	3.11	7.29	5.34	3.65	3.17	3.94	3.63	2.44	3.38
13	3.50	2.86	3.08	3.08	7.48	5.22	3.59	3.21	3.65	3.33	2.67	3.24
14	3.51	2.81	3.23	3.06	7.63	5.11	3.53	3.68	4.13	3.24	2.79	3.14
15	3.43	2.78	3.40	3.03	8.51	5.02	3.48	4.14	4.68	3.53	2.81	3.31
16	3.31	2.78	3.55	2.99	9.72	4.99	3.41	4.50	5.28	5.44	2.73	3.77
17	3.20	2.75	3.66	2.97	10.23	4.97	3.33	4.12	5.52	6.13	2.61	5.84
18	3.10	2.75	3.69	3.00	9.93	4.87	3.21	3.55	5.66	6.30	2.48	8.51
19	3.02	2.98	3.64	3.00	9.43	4.74	3.09	3.23	5.25	6.31	2.38	12.21
20	2.96	3.22	3.50	2.98	8.76	4.62	2.99	3.05	5.75	7.07	2.27	13.84
21	2.91	3.46	3.36	2.96	8.01	4.51	2.90	2.96	6.07	9.07	2.16	12.48
22	2.87	3.58	3.27	2.95	7.42	4.38	2.82	2.97	5.81	9.32	2.26	10.47
23	2.83	3.59	3.22	2.93	7.02	4.27	2.74	3.04	5.22	8.02	2.32	8.86
24	2.78	3.54	3.22	2.90	7.09	4.19	2.64	3.14	4.98	6.45	2.26	7.71
25	2.73	3.43	3.24	2.87	7.26	4.11	2.56	3.08	4.75	5.29	2.25	6.84
26	2.76	3.32	3.24	3.11	7.33	4.02	2.53	2.82	4.73	4.55	2.15	6.20
27	3.08	3.23	3.24	3.60	7.50	3.95	2.55	2.54	5.37	4.13	2.05	6.03
28	3.26	3.21	3.23	3.53	7.72	3.88	2.52	2.34	5.89	3.99	1.96	6.00
29	3.63	3.28	3.22	3.55	7.66	3.83	2.44	2.20	6.48	4.16	1.89	5.93
30	3.72	3.30	3.20	3.59	---	3.83	2.63	2.10	6.76	4.30	1.85	6.13
31	3.73	---	3.19	3.66	---	3.92	---	2.07	---	4.22	1.98	---
MEAN	3.18	3.16	3.29	3.14	6.76	5.16	3.20	3.62	4.62	5.51	2.50	5.33
MAX	3.73	3.62	3.69	3.66	10.23	7.59	3.86	5.82	6.76	9.32	3.82	13.84
MIN	2.73	2.75	3.08	2.87	3.32	3.83	2.44	2.07	2.19	3.24	1.85	1.86

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02357000 SPRING CREEK NEAR IRON CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 310225 LONGITUDE 0844424 NAD83 DRAINAGE AREA 485.00* CONTRIBUTING DRAINAGE AREA DATUM 85.70 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.02	0.82	0.04	0.00	0.00
2	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.02	0.53	0.10	0.00	0.00
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.23	0.05	0.00	0.00
4	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
5	0.00	0.02	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
6	0.00	0.00	0.00	0.00	2.31	0.02	0.00	0.00	0.02	0.03	0.00	1.54
7	0.08	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.10
8	0.00	0.00	0.00	0.05	0.00	0.00	0.90	0.00	1.10	0.04	0.00	0.02
9	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.08	0.00	0.47	0.00	0.19	0.00	0.00	0.00	0.08	0.00	0.43	0.18
11	0.88	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.02	0.24
12	0.31	0.00	0.00	0.00	1.30	0.00	0.15	0.01	0.00	0.00	0.74	0.00
13	0.00	0.00	0.39	0.00	0.13	0.00	0.22	0.00	0.53	0.00	0.00	0.12
14	0.00	0.00	0.41	0.00	1.08	0.00	0.00	0.00	0.23	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.75	2.35	0.00	0.08
16	0.00	0.00	0.08	0.00	0.00	0.22	0.00	0.09	0.05	0.32	0.02	2.72
17	0.00	0.00	0.18	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.85	0.00	0.15	0.00	0.00	0.00	0.26	0.00	0.40	0.00	0.00
19	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.40	0.10	0.01	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.15	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.19	0.00
23	0.00	0.00	0.38	0.00	0.80	0.00	0.00	0.00	0.02	0.00	0.01	0.00
24	0.00	0.35	0.01	0.00	0.40	0.00	0.00	0.00	0.30	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.97	0.00	0.00	0.00
26	1.22	0.00	0.00	3.79	0.04	0.00	0.30	0.00	0.82	0.00	0.00	0.20
27	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.77	0.00	1.31
28	1.15	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00
29	0.00	0.00	0.04	0.00	0.00	0.00	0.23	0.00	0.00	0.06	0.00	0.00
30	0.00	0.00	0.23	0.01	---	0.60	2.65	0.00	0.00	0.00	1.97	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.99	---	0.00	0.23	---
TOTAL	3.81	2.54	2.20	4.49	7.28	0.84	4.52	2.26	6.94	4.18	3.82	6.63

APALACHICOLA RIVER BASIN
2004 Water Year

02357150 SPRING CREEK NEAR REYNOLDSVILLE, GA

LOCATION.—Lat 30°54'14", long 84°44'57", referenced to North American Datum (NAD) of 1927, Decatur County, Hydrologic Unit 03130010, on right bank, 1.0 mile upstream of Smith Landing, and 3.0 miles north-northeast of Reynoldsville.

DRAINAGE AREA.—Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1998 to current year.

GAGE.—Satellite telemetry with a water-stage and velocity recorder.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor. This station is operated by the USGS, Florida District. For more information, please check http://fl.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02357150 SPRING CREEK NEAR REYNOLDSVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305414.4 LONGITUDE 0844457.4 NAD27 DRAINAGE AREA 623 CONTRIBUTING DRAINAGE AREA 623* DATUM
Date Processed: 2005-02-25 08:22 By rverdi
APPROVED
DD #1
Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	425	396	384	446	1130	e503	340	257	764	468	261
2	434	421	385	391	430	1100	e486	383	269	771	424	238
3	416	400	408	395	453	e1010	470	444	296	721	402	249
4	423	385	389	399	434	e941	451	543	351	665	377	245
5	409	377	389	383	439	e877	430	611	387	629	350	247
6	403	370	370	350	453	e822	429	578	409	637	356	241
7	390	360	367	352	562	e783	422	571	397	725	334	267
8	385	374	378	370	635	e750	429	524	373	725	318	249
9	396	348	397	375	685	e725	418	465	390	626	303	287
10	394	338	400	376	726	e689	422	406	401	559	287	322
11	410	344	369	390	795	e658	433	379	399	496	296	353
12	416	340	362	397	869	e639	433	341	411	458	306	350
13	423	342	371	386	963	e617	431	346	387	422	308	333
14	434	339	386	385	1020	e611	418	359	390	404	295	341
15	407	340	373	384	1100	e600	410	396	437	414	314	364
16	419	353	410	366	1310	e600	402	431	509	521	314	367
17	407	348	423	371	1550	e600	392	435	549	646	295	476
18	389	343	435	387	1610	e594	389	386	588	694	272	725
19	382	341	421	359	1530	e572	372	339	568	704	280	1220
20	375	364	408	360	1420	e561	356	324	575	742	286	2130
21	380	383	397	364	1320	e542	356	316	635	943	282	2510
22	379	385	389	358	1180	e528	345	310	640	1170	283	2010
23	367	405	391	360	1070	e514	337	312	594	1130	292	1490
24	370	399	392	363	1030	e511	322	310	555	901	281	1150
25	361	381	373	383	1050	e506	318	318	530	700	275	969
26	358	379	378	414	1050	e503	314	302	517	591	267	819
27	358	383	378	393	1060	e498	308	287	556	525	257	760
28	385	377	381	420	1140	e496	303	273	621	499	262	712
29	409	374	377	475	1150	e495	305	255	690	479	260	672
30	428	373	376	473	---	e497	303	251	754	493	254	693
31	426	---	358	462	---	e501	---	256	---	503	249	---
MEAN	399	370	388	388	948	660	390	380	481	653	308	702
MAX	450	425	435	475	1610	1130	503	611	754	1170	468	2510
MIN	358	338	358	350	430	495	303	251	257	404	249	238

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	487	456	404	473	579	1003	785	380	348	421	362	449
MAX	1417	1273	964	927	948	2711	1886	846	752	754	1013	895
(WY)	1999	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2002
MIN	136	146	175	169	176	273	350	180	121	121	97.1	114
(WY)	2001	2001	2001	2002	2002	2002	2002	2002	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	955		503		512	
HIGHEST ANNUAL MEAN					1099	2003
LOWEST ANNUAL MEAN					216	2000
HIGHEST DAILY MEAN	5110	Apr 12	2510	Sep 21	5110	Apr 12 2003
LOWEST DAILY MEAN	338	Nov 10	238	Sep 2	45	Sep 13 2000
ANNUAL SEVEN-DAY MINIMUM	342	Nov 9	247	Aug 31	73	Aug 18 2000
MAXIMUM PEAK FLOW			2730	Sep 21	5610	Apr 12 2003
MAXIMUM PEAK STAGE			79.25	Sep 21	82.52	Apr 12 2003
10 PERCENT EXCEEDS	1750		802		1010	
50 PERCENT EXCEEDS	719		400		350	
90 PERCENT EXCEEDS	378		303		147	

e Estimated

APALACHICOLA RIVER BASIN
2004 Water Year

02357500 LAKE SEMINOLE NEAR CHATTAHOOCHEE, FL

LOCATION.—Lat 30°42'33", long 84°51'45", referenced to North American Datum (NAD) of 1927, Gadsden County, FL, Hydrologic Unit 03130004, on right upstream lock wall of Jim Woodruff Dam on Chattahoochee River, 0.6 miles upstream from bridge on US 90, and 1.5 miles northwest of Chattahoochee.

REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

APALACHICOLA RIVER BASIN
2004 Water Year

02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE, FL

LOCATION.—Lat 30°42'03", long 84°51'33", referenced to North American Datum (NAD) of 1927, in NW1/4 sec. 32, T.4 N., R.6 W., Jackson County, Hydrologic Unit 03130011, on downstream side of abandoned bridge downstream of US 90, 0.6 miles downstream from Jim Woodruff Dam, 0.6 miles upstream from Mosquito Creek, 1.0 mile west of Chattahoochee, and 106.0 miles upstream from mouth.

DRAINAGE AREA.—17,200 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1939, published as "near River Junction." Gage-height records collected at site 0.9 miles downstream October 1919 to September 1925, and at site approximately 100.00 feet downstream October 1925 to December 1958 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1906: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum of 1929 (National Weather Service bench mark). Prior to December 16, 1939, a water-stage recorder was located at a site 0.9 miles downstream at datum 44.85 feet higher. From December 16, 1939 to June 25, 1952, a water-stage recorder, and from June 26, 1952 to June 2, 1954, a non-recording gage, and from June 3, 1954 to October 14, 1958, a water-stage recorder was located at a site approximately 100.00 feet downstream at gage datum of 45.58 feet. From October 15, 1958 to September 30, 1987, a water-stage recorder was installed at datum 40.58 feet.

REMARKS.—Records good. Flow regulated by Lake Seminole Reservoir (02357500) 0.6 miles upstream since February 4, 1957, Walter F. George Lake (02343240) since 1962, Bartlett's Ferry Reservoir (02341000) since 1926, West Point Lake (02339400) since October 1974, and Lake Sidney Lanier Reservoir (02334400) since 1956. This station is operated by the USGS, Florida District. For more information, please check http://fl.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE FLA SOURCE AGENCY USGS STATE 12 COUNTY 039
LATITUDE 304203 LONGITUDE 0845133 NAD27 DRAINAGE AREA 17200.00* CONTRIBUTING DRAINAGE AREA DATUM 00.00 NGVD29
Date Processed: 2005-02-25 08:20 By rverdi
APPROVED
DD #2
Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16100	10900	18100	12900	21500	27800	11900	10300	7830	15200	9790	8090
2	15100	10200	17800	12600	20000	28900	12100	9940	7710	15300	9730	8210
3	13400	10100	18200	12500	21600	30700	12000	9690	7560	15300	9730	8060
4	12500	11500	19200	12100	22700	27300	12100	10500	7630	15300	9810	8070
5	11300	11900	22100	11900	21400	23800	12000	12800	7540	15300	9710	8590
6	9960	11100	24800	12700	22000	22800	12100	12300	7360	15200	9750	11700
7	8640	11300	25300	12700	27800	21700	11900	13500	7470	15100	9780	18700
8	8050	11700	24600	13400	32500	20900	12100	12900	7440	15100	9790	23000
9	8160	11300	25100	13900	32300	17900	12100	12000	7660	15100	9820	22000
10	8570	11300	22000	17400	31100	15500	12100	11600	7890	15300	9940	21000
11	8620	10000	18800	20400	28400	15500	12100	11200	7810	15400	11900	20500
12	8660	9620	17300	20600	26800	16100	12100	10700	7900	15000	15200	19500
13	e11000	10300	15300	19300	29400	14700	11900	10400	7930	14000	14600	18600
14	13900	10600	16000	18600	42200	13200	11800	10100	7750	13500	12200	22700
15	12800	10600	16700	e18300	47600	12100	11900	10100	7800	13000	10600	30200
16	12900	10600	17800	e18600	44400	12200	12000	10100	7920	12400	9800	35400
17	15700	10300	17400	e18300	43100	12900	12200	10000	8490	12200	9770	51600
18	16200	9610	17000	e19200	40200	14200	12200	9260	9650	11800	9710	60800
19	15000	11700	16100	e17800	37600	13700	12200	8790	9720	11400	9650	65900
20	15500	12200	15300	e15400	35800	12700	12200	8740	9580	11000	9840	55700
21	15900	13300	14400	e13000	35000	12000	11900	8800	9630	10900	9830	47200
22	14800	15200	13400	10800	32300	11800	11300	8940	9770	10700	9770	42800
23	13300	18200	13200	10900	27600	12100	10800	8920	10100	10700	9700	37200
24	12300	19500	13100	11800	25300	12300	10700	8870	10100	10700	9290	32400
25	11400	20400	13000	12300	23700	12200	10300	8540	10500	10700	8650	30700
26	10500	20600	12300	16000	23400	12100	9880	8120	11900	10500	8750	30200
27	9680	20500	11600	29700	22900	12200	9910	7860	15100	9880	8830	27800
28	9190	19900	11100	35300	24500	12100	9840	7810	15500	9720	8800	22600
29	10800	17800	11100	34700	27400	12300	9790	7970	15300	9710	8770	27300
30	11800	17100	10900	28900	---	12200	9870	7930	15200	9770	8390	35900
31	11700	---	11600	26200	---	12100	---	7770	---	9760	8050	---
MEAN	12050	13310	16790	17680	30020	16390	11510	9885	9458	12740	9998	28410
MAX	16200	20600	25300	35300	47600	30700	12200	13500	15500	15400	15200	65900
MIN	8050	9610	10900	10800	20000	11800	9790	7770	7360	9710	8050	8060
MED	11800	11400	16700	16000	27800	13200	11900	9940	7930	12400	9770	25200
IN.	0.81	0.86	1.13	1.19	1.88	1.10	0.75	0.66	0.61	0.85	0.67	1.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	12390	13270	20040	27320	33380	40620	33650	21680	16520	16800	14890	12290
MAX	38500	31790	70390	62470	67310	171600	80700	53260	39460	87780	31950	28410
(WY)	1965	1993	1949	1936	1998	1929	1944	1964	1973	1994	1994	2004
MIN	5319	5524	7337	7262	10420	12780	10880	8326	4826	5117	4750	5889
(WY)	1955	1932	2002	1956	1989	1955	1999	2002	2000	2000	1988	2000

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL MEAN	26600		15610		21850	
HIGHEST ANNUAL MEAN					35680	1929
LOWEST ANNUAL MEAN					8681	2002
HIGHEST DAILY MEAN	86900	May 12	65900	Sep 19	291000	Mar 20 1929
LOWEST DAILY MEAN	8050	Oct 8	7360	Jun 6	3900	Nov 15 1987
ANNUAL SEVEN-DAY MINIMUM	8670	Oct 6	7520	Jun 3	4530	Aug 10 1988
MAXIMUM PEAK FLOW			69100	Sep 19	293000	Mar 20 1929
MAXIMUM PEAK STAGE			60.29	Sep 19	79.55	Mar 20 1929
INSTANTANEOUS LOW FLOW			7050	Jun 8	2570	Aug 6 1986
ANNUAL RUNOFF (INCHES)	21.00		12.36		17.26	
10 PERCENT EXCEEDS	49800		27700		43400	
50 PERCENT EXCEEDS	21800		12200		15900	
90 PERCENT EXCEEDS	11000		8650		8480	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE FLA SOURCE AGENCY USGS STATE 12 COUNTY 039
LATITUDE 304203 LONGITUDE 0845133 NAD27 DRAINAGE AREA 17200.00* CONTRIBUTING DRAINAGE AREA DATUM 00.00 NGVD29
Date Processed: 2005-02-25 08:21 By rverdi
APPROVED
DD #3
Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44.87	42.42	45.73	43.41	47.11	49.52	42.91	42.11	40.79	44.47	41.85	40.93
2	44.41	42.07	45.63	43.24	46.55	49.94	43.00	41.94	40.72	44.52	41.83	41.00
3	43.66	42.03	45.79	43.23	47.18	50.58	42.99	41.80	40.63	44.53	41.83	40.92
4	43.20	42.74	46.18	43.00	47.60	49.33	43.00	42.21	40.67	44.51	41.87	40.92
5	42.62	42.94	47.37	42.93	47.10	48.03	42.96	43.35	40.62	44.51	41.81	41.20
6	41.94	42.54	48.43	43.31	47.32	47.66	43.00	43.14	40.52	44.46	41.84	42.84
7	41.24	42.61	48.60	43.32	49.50	47.22	42.91	43.70	40.58	44.44	41.85	45.97
8	40.91	42.85	48.34	43.65	51.19	46.88	43.01	43.42	40.56	44.42	41.86	47.73
9	40.98	42.65	48.53	43.88	51.13	45.63	43.03	43.00	40.69	44.43	41.87	47.33
10	41.20	42.65	47.32	45.40	50.71	44.62	43.03	42.76	40.82	44.51	41.93	46.95
11	41.23	41.97	46.03	46.71	49.77	44.61	43.01	42.55	40.77	44.54	42.89	46.74
12	41.25	41.77	45.38	46.79	49.15	44.89	43.01	42.31	40.83	44.38	44.49	46.30
13	---	42.12	44.51	46.26	50.12	44.24	42.92	42.17	40.84	43.90	44.22	45.94
14	43.87	42.26	44.83	45.95	54.39	43.53	42.88	42.03	40.74	43.67	43.06	47.56
15	43.36	42.29	45.16	---	56.09	43.02	42.93	42.03	40.77	43.47	42.30	50.40
16	43.40	42.27	45.60	---	55.10	43.06	42.97	42.01	40.84	43.19	41.86	52.16
17	44.70	42.12	45.43	---	54.69	43.40	43.07	41.99	41.14	43.08	41.84	57.02
18	44.93	41.76	45.28	---	53.78	44.00	43.07	41.58	41.78	42.88	41.81	58.88
19	44.38	42.82	44.88	---	52.91	43.80	43.06	41.32	41.82	42.68	41.79	59.74
20	44.58	43.06	44.53	---	52.34	43.29	43.06	41.29	41.75	42.48	41.88	57.90
21	44.76	43.59	44.11	---	52.06	42.99	42.90	41.33	41.77	42.41	41.88	55.95
22	44.28	44.46	43.63	42.39	51.13	42.88	42.64	41.40	41.84	42.30	41.85	54.63
23	43.61	45.80	43.56	42.40	49.46	43.00	42.39	41.39	42.01	42.31	41.81	52.99
24	43.11	46.33	43.52	42.86	48.59	43.12	42.30	41.36	42.00	42.32	41.59	51.53
25	42.69	46.71	43.44	43.12	48.00	43.06	42.13	41.18	42.25	42.31	41.25	50.96
26	42.23	46.77	43.14	44.68	47.88	43.01	41.90	40.95	42.90	42.20	41.30	50.79
27	41.80	46.75	42.78	50.20	47.67	43.06	41.92	40.80	44.41	41.90	41.34	49.90
28	41.53	46.50	42.54	52.16	48.30	43.04	41.88	40.77	44.59	41.82	41.33	47.94
29	42.35	45.63	42.52	51.96	49.38	43.11	41.85	40.87	44.51	41.82	41.31	49.75
30	42.87	45.31	42.41	49.95	---	43.06	41.90	40.84	44.49	41.84	41.10	52.60
31	42.83	---	42.78	48.92	---	43.02	---	40.75	---	41.84	40.91	---
MEAN	---	43.53	45.10	---	50.21	44.86	42.72	41.88	41.62	43.29	41.95	49.18
MAX	---	46.77	48.60	---	56.09	50.58	43.07	43.70	44.59	44.54	44.49	59.74
MIN	---	41.76	42.41	---	46.55	42.88	41.85	40.75	40.52	41.82	40.91	40.92

2004 Water Year

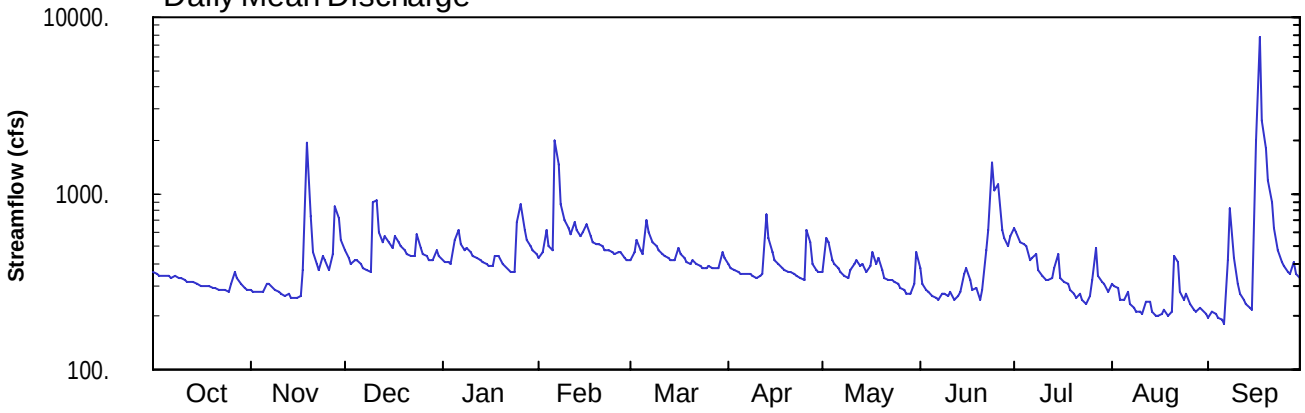
MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA

Latitude: 34°40'29" Longitude: 084°30'31" Hydrologic Unit Code: 03150102

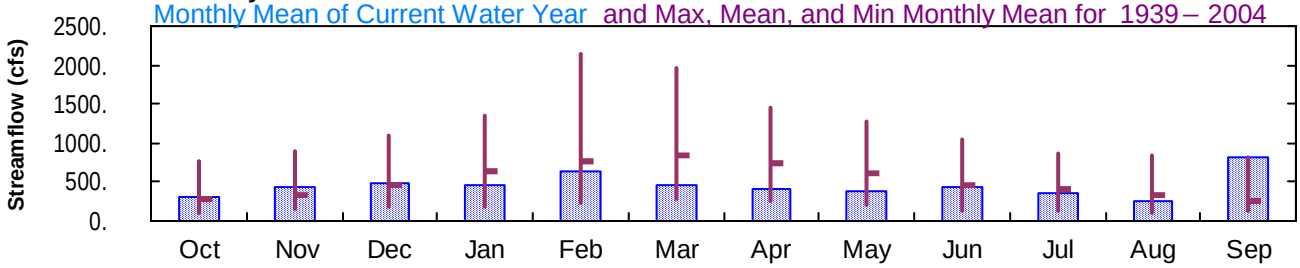
Gilmer County Datum: 1216.04 feet Drainage Area: 236. mi^2

Daily Mean Discharge

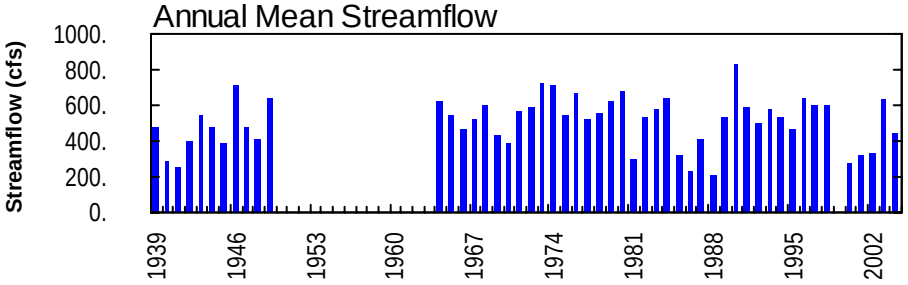


Monthly Statistics

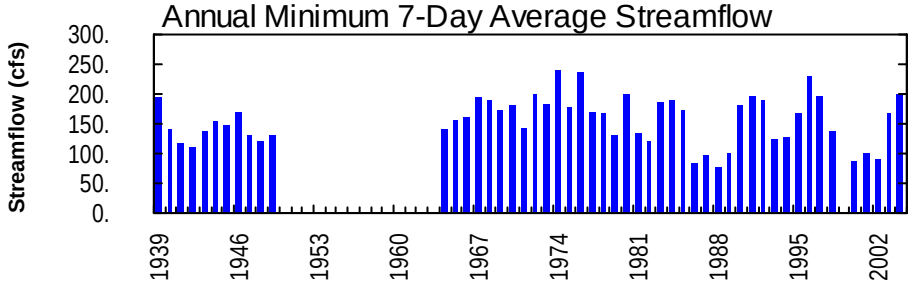
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1939 – 2004

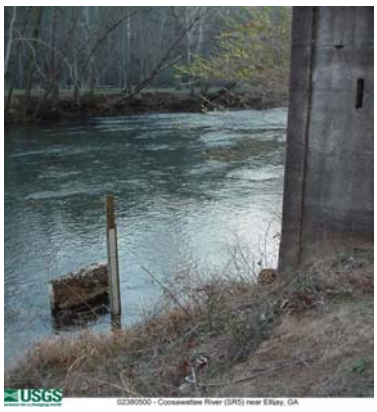


Annual Mean Streamflow

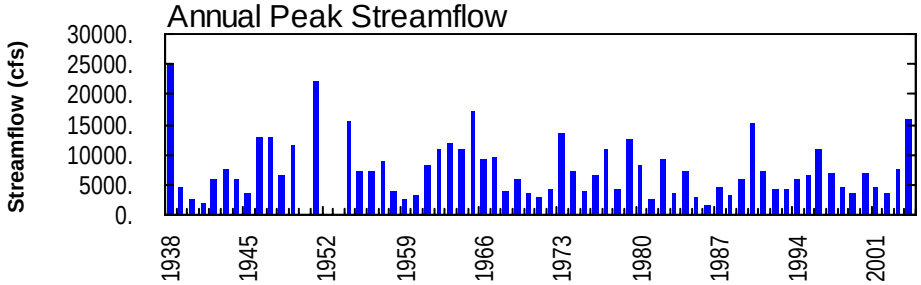


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA

LOCATION.—Lat 34°40'18", long 84°30'31", referenced to North American Datum (NAD) of 1927, Gilmer County, Hydrologic Unit 03150102, on right bank 0.5 miles downstream from GA 5, 2.0 miles southwest of Ellijay, and 2.2 miles downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.—236 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1938 to December 1949, June 1963 to current year. Occasional low-flow measurements were made during 1959, 1961-62.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,216.04 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 10, 1940, a non-recording gage was located at site 0.5 miles upstream at datum 8.04 feet higher.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1938, 20.7 feet, March 19, 1951, from flood mark.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,500 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/06	1400	3,590	5.33
09/17	0230	15,800*	17.33*

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1938 to December 1949, June 1963 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,216.04 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 10, 1940, a non-recording gage was located at site 0.5 miles upstream at datum 8.04 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.33 feet, September 17; minimum gage-height recorded, 1.32 feet, September 6, 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 4, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 344029.6 LONGITUDE 0843031.05 NAD27 DRAINAGE AREA 236 CONTRIBUTING DRAINAGE AREA 236* DATUM 1216.04 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	357	282	477	416	429	417	398	360	376	637	304	196
2	348	278	426	406	465	469	380	562	303	597	302	214
3	339	276	399	404	611	549	371	523	286	530	290	209
4	339	276	416	397	501	476	362	423	276	511	249	197
5	338	278	423	545	475	450	352	392	265	498	249	190
6	336	303	400	624	1980	695	348	377	253	415	278	182
7	335	304	376	510	1470	604	345	360	250	426	233	419
8	338	290	365	471	867	527	345	339	271	450	221	826
9	332	280	355	493	699	498	342	334	271	365	215	430
10	329	276	892	468	626	478	334	368	260	336	212	308
11	323	268	919	439	593	451	340	393	274	325	208	267
12	318	264	605	428	688	438	349	418	245	321	240	246
13	314	266	524	420	623	424	762	387	261	333	244	234
14	312	256	573	406	565	417	557	397	275	380	212	226
15	310	255	534	401	597	421	458	354	353	449	204	216
16	302	255	494	392	669	491	416	383	378	329	204	1970
17	300	259	573	384	567	458	394	459	323	311	209	7640
18	298	364	524	436	e530	425	379	398	286	307	218	2620
19	296	1920	507	439	e520	412	369	426	290	282	202	1780
20	293	736	477	400	513	398	362	371	248	266	215	1180
21	289	470	451	388	507	413	356	332	283	257	443	895
22	285	396	437	371	482	393	347	325	473	267	403	628
23	280	367	443	362	470	383	338	322	613	247	276	479
24	280	437	585	356	465	378	329	315	1490	233	248	412
25	276	418	493	683	450	376	324	304	1030	260	269	383
26	303	370	457	859	460	382	617	293	1130	327	236	362
27	358	453	435	613	459	379	528	284	618	487	219	352
28	330	846	423	538	434	376	400	267	562	336	211	406
29	304	722	420	497	423	372	372	267	504	315	224	352
30	292	545	481	477	---	466	359	310	574	309	219	327
31	285	---	439	451	---	435	---	469	---	277	205	---
TOTAL	9739	12710	15323	14474	18138	13851	11933	11512	13021	11383	7662	24146
MEAN	314	424	494	467	625	447	398	371	434	367	247	805
MAX	358	1920	919	859	1980	695	762	562	1490	637	443	7640
MIN	276	255	355	356	423	372	324	267	245	233	202	182
CFSM	1.33	1.80	2.09	1.98	2.65	1.89	1.69	1.57	1.84	1.56	1.05	3.41
IN.	1.54	2.00	2.42	2.28	2.86	2.18	1.88	1.81	2.05	1.79	1.21	3.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	268	343	455	637	762	830	747	611	469	399	324	266
MAX	765	880	1104	1351	2148	1953	1442	1283	1052	871	851	805
(WY)	1965	1978	1993	1947	1990	1990	1977	1973	1973	1976	1967	2004
MIN	107	144	176	188	231	280	263	204	119	117	105	129
(WY)	1988	1988	1989	1981	1941	1988	1986	1986	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	232553		163892			
ANNUAL MEAN	637		448		507	
HIGHEST ANNUAL MEAN					835	1990
LOWEST ANNUAL MEAN					207	1988
HIGHEST DAILY MEAN	3490	May 7	7640	Sep 17	9870	Feb 16 1990
LOWEST DAILY MEAN	255	Nov 15	182	Sep 6	69	Sep 2 1988
ANNUAL SEVEN-DAY MINIMUM	260	Nov 11	199	Aug 31	75	Aug 28 1988
MAXIMUM PEAK FLOW			15800	Sep 17	17000	Oct 4 1964
MAXIMUM PEAK STAGE			17.33	Sep 17 a	17.63	Oct 4 1964
ANNUAL RUNOFF (CFSM)	2.70		1.90		2.15	
ANNUAL RUNOFF (INCHES)	36.66		25.83		29.20	
10 PERCENT EXCEEDS	969		607		915	
50 PERCENT EXCEEDS	545		378		389	
90 PERCENT EXCEEDS	317		249		182	

e Estimated
a From maximum indicator

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 344029.6 LONGITUDE 0843031.05 NAD27 DRAINAGE AREA 236 CONTRIBUTING DRAINAGE AREA 236* DATUM 1216.04 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	1.58	1.96	1.86	1.89	1.86	1.83	1.75	1.78	2.21	1.63	1.37
2	1.73	1.58	1.88	1.84	1.94	1.95	1.79	2.08	1.63	2.15	1.63	1.42
3	1.71	1.57	1.83	1.84	2.17	2.08	1.78	2.04	1.59	2.05	1.60	1.41
4	1.71	1.57	1.86	1.83	2.00	1.96	1.76	1.88	1.57	2.02	1.51	1.37
5	1.71	1.58	1.88	2.06	1.96	1.92	1.74	1.82	1.55	2.00	1.51	1.35
6	1.70	1.63	1.83	2.19	3.61	2.28	1.73	1.79	1.52	1.86	1.58	1.33
7	1.70	1.63	1.79	2.02	3.20	2.16	1.72	1.75	1.52	1.87	1.47	1.78
8	1.71	1.60	1.76	1.95	2.51	2.04	1.72	1.71	1.56	1.92	1.44	2.46
9	1.70	1.58	1.74	1.99	2.30	2.00	1.72	1.70	1.56	1.76	1.43	1.88
10	1.69	1.57	2.47	1.95	2.20	1.96	1.70	1.77	1.54	1.70	1.42	1.64
11	1.68	1.56	2.58	1.90	2.15	1.92	1.71	1.81	1.57	1.68	1.41	1.55
12	1.67	1.55	2.16	1.89	2.28	1.90	1.73	1.86	1.51	1.67	1.49	1.51
13	1.66	1.56	2.04	1.87	2.19	1.88	2.37	1.81	1.54	1.70	1.50	1.48
14	1.65	1.53	2.12	1.84	2.10	1.86	2.09	1.83	1.57	1.77	1.42	1.45
15	1.65	1.53	2.06	1.83	2.15	1.87	1.93	1.74	1.73	1.91	1.40	1.43
16	1.63	1.53	1.99	1.82	2.25	1.99	1.86	1.79	1.79	1.69	1.40	3.38
17	1.63	1.54	2.12	1.80	2.11	1.93	1.82	1.92	1.68	1.65	1.41	9.41
18	1.62	1.72	2.04	1.89	2.06	1.88	1.79	1.83	1.60	1.64	1.43	4.29
19	1.62	3.63	2.01	1.90	2.03	1.86	1.77	1.88	1.60	1.59	1.39	3.53
20	1.61	2.34	1.96	1.83	2.02	1.83	1.76	1.78	1.51	1.55	1.42	2.91
21	1.60	1.95	1.92	1.81	2.01	1.86	1.75	1.70	1.58	1.53	1.89	2.55
22	1.59	1.83	1.90	1.78	1.97	1.82	1.73	1.68	1.94	1.56	1.83	2.20
23	1.58	1.77	1.91	1.76	1.95	1.80	1.71	1.67	2.17	1.51	1.57	1.97
24	1.58	1.89	2.14	1.75	1.94	1.79	1.69	1.66	3.20	1.47	1.51	1.85
25	1.57	1.86	1.99	2.24	1.92	1.79	1.68	1.64	2.68	1.53	1.56	1.80
26	1.63	1.77	1.93	2.50	1.93	1.80	2.15	1.61	2.82	1.68	1.48	1.76
27	1.75	1.91	1.90	2.18	1.93	1.79	2.04	1.59	2.18	1.97	1.44	1.74
28	1.69	2.48	1.88	2.06	1.90	1.79	1.83	1.56	2.10	1.70	1.41	1.84
29	1.64	2.32	1.87	2.00	1.87	1.78	1.78	1.56	2.01	1.65	1.45	1.74
30	1.61	2.07	1.97	1.96	---	1.94	1.75	1.65	2.11	1.64	1.44	1.69
31	1.59	---	1.90	1.92	---	1.90	---	1.94	---	1.58	1.40	---
MEAN	1.66	1.81	1.98	1.94	2.16	1.91	1.81	1.77	1.82	1.75	1.50	2.20
MAX	1.75	3.63	2.58	2.50	3.61	2.28	2.37	2.08	3.20	2.21	1.89	9.41
MIN	1.57	1.53	1.74	1.75	1.87	1.78	1.68	1.56	1.51	1.47	1.39	1.33

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 344029.6 LONGITUDE 0843031.05 NAD27 DRAINAGE AREA 236 CONTRIBUTING DRAINAGE AREA 236* DATUM 1216.04 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.21	0.12	0.05
2	0.00	0.00	0.00	0.00	0.80	0.48	0.00	1.29	0.00	0.39	0.21	0.02
3	0.00	0.00	0.16	0.01	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00
4	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00
5	0.00	0.12	0.03	0.65	0.00	0.01	0.00	---	0.00	0.12	0.18	0.00
6	0.00	0.10	0.00	0.00	1.59	0.80	0.00	---	0.00	0.12	0.00	0.00
7	0.00	0.00	0.00	0.00	0.01	0.00	0.00	---	0.02	1.13	0.00	1.77
8	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.12
9	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.29	0.02	0.00	0.00	0.00
10	0.08	0.00	1.10	0.00	0.02	0.00	0.00	0.30	0.00	0.01	0.00	0.00
11	0.01	0.00	0.00	0.00	0.07	0.00	0.06	0.02	0.00	0.00	0.00	0.00
12	0.00	0.05	0.00	0.00	0.47	0.00	0.40	0.14	0.00	0.05	0.53	0.00
13	0.00	0.00	0.23	0.00	0.01	0.00	0.83	0.62	0.01	0.00	0.00	0.00
14	0.10	0.00	0.18	0.00	0.02	0.01	0.02	0.00	0.00	0.29	0.00	0.00
15	0.00	0.00	0.00	0.00	0.46	0.12	0.00	0.00	0.78	0.00	0.00	0.00
16	0.00	0.01	0.26	0.00	0.00	0.34	0.00	1.15	0.41	0.00	0.00	5.58
17	0.00	0.01	0.08	0.14	0.00	0.00	0.00	0.94	0.00	0.34	0.22	0.54
18	0.00	2.57	0.08	0.35	---	0.00	0.00	0.44	0.53	0.00	0.00	0.00
19	0.00	0.52	0.01	0.00	---	0.00	0.00	0.03	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.82	0.00
21	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.66	0.00	---	0.00
22	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.33	1.70	0.00	---	0.00
23	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.73	0.00	---	0.00
24	0.00	0.56	0.02	0.00	0.00	0.00	0.00	0.00	1.03	0.00	---	0.00
25	0.00	0.00	0.00	1.51	0.01	0.00	0.27	0.00	1.69	1.15	0.00	0.00
26	0.44	0.00	0.00	0.00	0.20	0.00	0.92	0.00	0.00	0.66	0.00	0.00
27	0.35	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.06	0.00	0.44
28	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.01
29	0.02	0.00	0.21	0.00	0.00	0.01	0.00	0.08	0.00	1.41	0.00	0.00
30	0.00	0.00	0.21	0.00	---	0.73	0.00	0.38	0.40	0.01	0.00	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.92	---	0.01	0.00	---
TOTAL	1.00	5.29	3.60	2.67	---	2.70	2.50	---	8.41	6.20	---	8.53

MOBILE RIVER BASIN
2004 Water Year

02381400 CARTERS LAKE NEAR CARTERS, GA

LOCATION.—Lat 34°36'50", long 84°40'16", Murray County, Hydrologic Unit 03150102, at forebay of dam on Coosawattee River, 1.3 miles upstream from Talking Rock Creek, 1.3 miles east of Carters, 1.9 miles upstream from Louisville and Nashville Railway bridge, and at mile 26.8.

REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

2004 Water Year

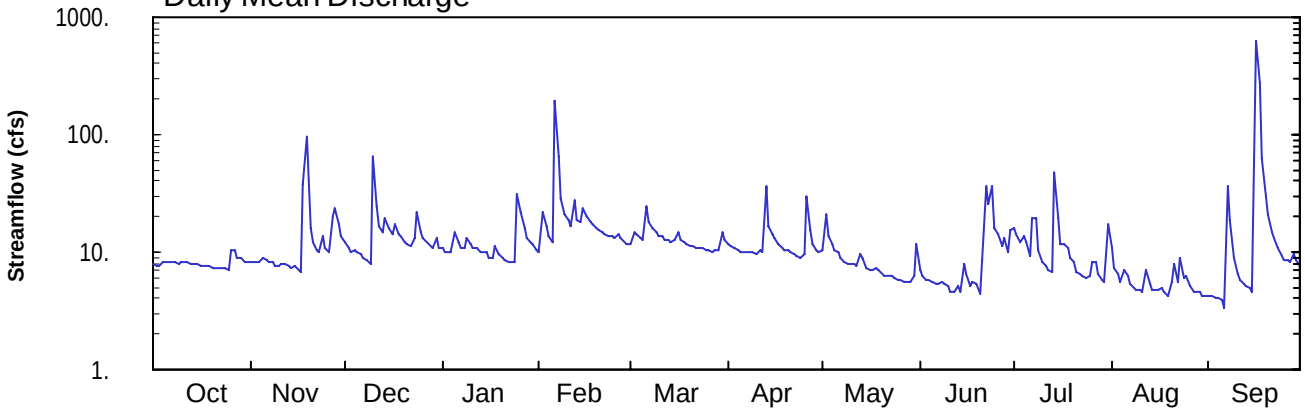
MOBILE RIVER BASIN

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA

Latitude: 34°34'13" Longitude: 084°28'08" Hydrologic Unit Code: 03150102

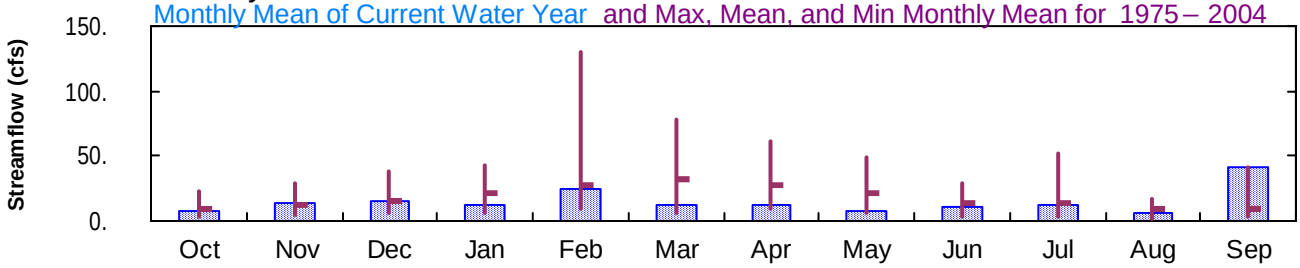
Gilmer County Datum: 1311.74 feet Drainage Area: 9.99 mi²

Daily Mean Discharge

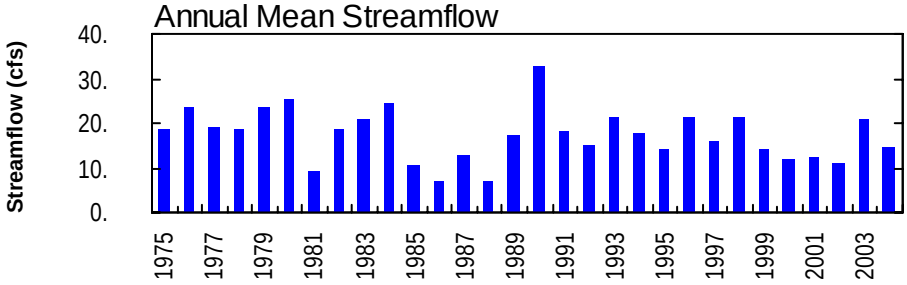


Monthly Statistics

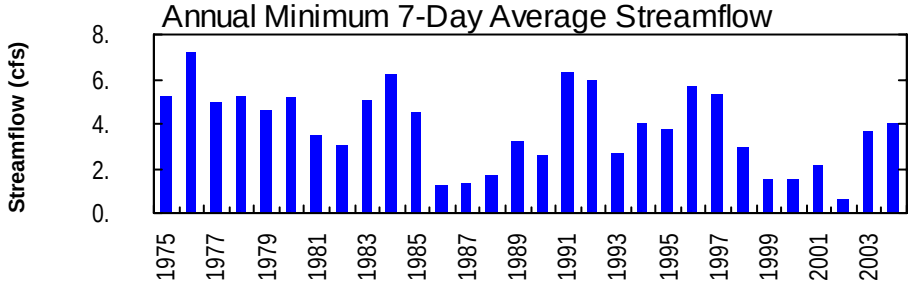
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1975 – 2004



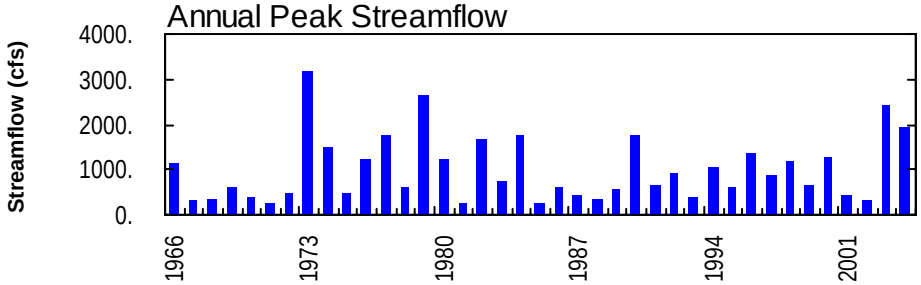
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA

LOCATION.—Lat 34°34'13", long 84°28'08", referenced to North American Datum (NAD) of 1927, Gilmer County, Hydrologic Unit 03150102, on right bank 25.0 feet upstream from culvert on County Road 1011, 3.6 miles upstream from mouth, and 4.5 miles northeast of Talking Rock.

DRAINAGE AREA.—9.99 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Annual maximum, water years 1966-74, October 1974 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,311.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records fair, except for periods of estimate discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 300 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	0215	334	4.05
02/06	0945	460	4.73
06/22	2215	321	3.98
07/14	1715	426	4.55
09/16	unknown	3,520*	20.04*

WATER-STAGE RECORDS

PERIOD OF RECORD.—Annual maximum, water years 1966-1974, October 1974 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,311.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 20.04 feet, September 16 (from flood mark); minimum gage-height recorded, 1.23 feet, September 5-7.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02381600 FAUSETT CREEK NEAR TALKING ROCK, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 343413 LONGITUDE 0842808 NAD27 DRAINAGE AREA 9.99 CONTRIBUTING DRAINAGE AREA 9.99* DATUM 1311.74 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	8.3	12	11	10	12	12	10	7.1	16	11	4.2
2	7.8	8.3	11	10	22	15	11	21	6.3	14	7.4	4.3
3	7.6	8.3	10	10	17	14	11	14	5.9	12	6.4	4.1
4	8.1	8.3	10	10	13	13	10	12	5.8	14	5.5	4.1
5	8.2	8.8	10	15	12	12	10	11	5.6	12	7.1	4.0
6	8.3	8.7	9.5	12	197	25	10	9.9	5.4	9.3	6.3	3.4
7	8.2	8.3	8.9	11	64	18	10	8.9	5.3	19	5.3	36
8	8.1	8.3	8.4	11	28	16	10	8.3	5.6	19	5.0	19
9	8.0	7.8	7.8	13	21	15	9.9	8.0	5.3	10	4.8	8.8
10	8.2	7.7	65	12	18	14	9.5	7.9	5.1	8.3	4.7	6.6
11	8.3	7.8	24	11	17	13	10	7.9	4.7	7.5	4.5	5.8
12	8.1	7.8	17	11	28	13	10	7.7	4.5	7.2	7.2	5.3
13	7.9	7.5	15	10	19	12	37	9.5	5.2	6.8	5.4	5.1
14	7.9	7.3	19	10	18	12	17	8.7	4.6	47	4.8	5.0
15	8.0	7.6	16	9.9	23	12	14	7.4	7.8	19	4.8	4.6
16	7.6	7.3	14	8.9	20	15	13	7.2	6.6	12	4.8	e625
17	7.6	6.8	17	8.9	18	13	12	7.1	5.1	12	5.0	e280
18	7.7	37	14	11	17	12	11	7.2	5.5	11	4.5	e62
19	7.5	98	14	9.5	16	12	11	6.9	5.3	8.8	4.2	e30
20	7.3	16	12	8.9	16	11	10	6.6	4.4	8.1	5.6	e21
21	7.3	12	12	8.5	15	11	10	6.3	8.6	6.9	7.9	e15
22	7.3	11	11	8.3	14	11	9.6	6.3	37	6.6	5.5	e13
23	7.3	9.8	13	8.3	14	11	9.2	6.4	26	6.2	8.7	e11
24	7.2	13	22	8.3	14	11	8.9	6.0	36	6.0	5.9	e9.3
25	7.0	11	15	31	13	10	9.4	5.9	16	6.3	6.2	e8.5
26	10	9.8	13	22	14	10	30	5.7	14	8.4	5.1	e8.4
27	10	20	12	16	13	10	15	5.6	11	8.3	4.6	e8.3
28	9.0	24	12	13	12	10	12	5.5	13	6.4	4.6	e9.5
29	8.8	17	11	12	12	10	10	5.6	10	5.8	4.5	e8.4
30	8.3	14	13	12	---	15	10	6.2	16	5.6	4.3	e7.7
31	8.3	---	11	11	---	12	---	12	---	17	4.2	---
TOTAL	248.8	427.5	459.6	364.5	715	400	372.5	258.7	298.7	356.5	175.8	1237.4
MEAN	8.03	14.2	14.8	11.8	24.7	12.9	12.4	8.35	9.96	11.5	5.67	41.2
MAX	10	98	65	31	197	25	37	21	37	47	11	625
MIN	7.0	6.8	7.8	8.3	10	10	8.9	5.5	4.4	5.6	4.2	3.4
CFSM	0.80	1.43	1.48	1.18	2.47	1.29	1.24	0.84	1.00	1.15	0.57	4.13
IN.	0.93	1.59	1.71	1.36	2.66	1.49	1.39	0.96	1.11	1.33	0.65	4.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	8.65	12.3	14.9	21.6	26.8	31.5	27.8	20.8	13.9	13.1	8.82	8.81
MAX	22.7	29.7	38.2	42.2	129	78.3	61.9	49.3	28.5	51.3	17.5	41.2
(WY)	1998	1978	1993	1990	1990	1980	1979	2003	1989	2003	2003	2004
MIN	3.10	4.82	6.14	6.00	9.52	6.47	8.67	5.65	2.92	3.47	1.82	3.08
(WY)	1988	1999	1989	1981	1988	2000	1986	1986	1988	1988	2002	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	7790.3		5315.0			
ANNUAL MEAN	21.3		14.5		17.4	
HIGHEST ANNUAL MEAN					32.9	1990
LOWEST ANNUAL MEAN					7.15	1988
HIGHEST DAILY MEAN	574	Jul 16	e 625	Sep 16	831	Feb 16 1990
LOWEST DAILY MEAN	6.2	Sep 21	3.4	Sep 6	0.58	Sep 11 2002
ANNUAL SEVEN-DAY MINIMUM	6.7	Sep 15	4.0	Aug 31	0.65	Sep 8 2002
MAXIMUM PEAK FLOW			a 3520	Sep 16	a 3520	Sep 16 2004
MAXIMUM PEAK STAGE			b 20.04	Sep 16	b 20.04	Sep 16 2004
INSTANTANEOUS LOW FLOW			c 3.4	Sep 5	1.1	Jun 24 1986
ANNUAL RUNOFF (CFSM)	2.14		1.45		1.74	
ANNUAL RUNOFF (INCHES)	29.01		19.79		23.62	
10 PERCENT EXCEEDS	41		19		31	
50 PERCENT EXCEEDS	14		10		11	
90 PERCENT EXCEEDS	8.0		5.3		5.0	

e Estimated
a From rating curve extended above 17.0 ft.
b From high water mark
c Also Sept 6,7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02381600 FAUSETT CREEK NEAR TALKING ROCK, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 343413 LONGITUDE 0842808 NAD27 DRAINAGE AREA 9.99 CONTRIBUTING DRAINAGE AREA 9.99* DATUM 1311.74 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.40	1.41	1.52	1.48	1.46	1.51	1.51	1.47	1.38	1.62	1.48	1.27
2	1.40	1.42	1.49	1.47	1.65	1.59	1.50	1.70	1.35	1.58	1.39	1.28
3	1.40	1.42	1.47	1.47	1.65	1.58	1.49	1.56	1.34	1.52	1.35	1.27
4	1.41	1.42	1.48	1.46	1.56	1.55	1.48	1.51	1.33	1.57	1.32	1.26
5	1.41	1.43	1.47	1.59	1.53	1.54	1.47	1.48	1.32	1.53	1.37	1.25
6	1.42	1.43	1.45	1.53	3.05	1.79	1.47	1.46	1.32	1.45	1.35	1.23
7	1.41	1.41	1.43	1.48	2.24	1.67	1.47	1.43	1.32	1.56	1.31	1.84
8	1.41	1.41	1.41	1.48	1.89	1.62	1.47	1.42	1.32	1.68	1.30	1.68
9	1.40	1.40	1.40	1.56	1.75	1.60	1.46	1.41	1.31	1.47	1.29	1.43
10	1.41	1.40	2.13	1.51	1.69	1.57	1.45	1.40	1.30	1.42	1.29	1.36
11	1.41	1.40	1.81	1.49	1.64	1.56	1.47	1.40	1.29	1.39	1.29	1.33
12	1.41	1.40	1.64	1.48	1.85	1.55	1.46	1.40	1.28	1.38	1.38	1.31
13	1.40	1.40	1.59	1.47	1.70	1.54	1.94	1.45	1.31	1.37	1.31	1.31
14	1.40	1.39	1.71	1.47	1.67	1.53	1.65	1.43	1.29	1.79	1.29	1.30
15	1.40	1.40	1.62	1.46	1.78	1.53	1.58	1.39	1.39	1.69	1.29	1.29
16	1.40	1.39	1.58	1.44	1.74	1.60	1.55	1.38	1.36	1.51	1.29	---
17	1.40	1.37	1.66	1.43	1.68	1.54	1.51	1.38	1.31	1.51	1.30	---
18	1.40	1.69	1.58	1.50	1.65	1.52	1.49	1.38	1.32	1.48	1.29	---
19	1.39	2.44	1.57	1.45	1.63	1.51	1.48	1.37	1.31	1.43	1.28	---
20	1.39	1.62	1.53	1.43	1.62	1.50	1.48	1.36	1.28	1.41	1.32	---
21	1.39	1.52	1.51	1.42	1.60	1.50	1.47	1.35	1.40	1.37	1.40	---
22	1.39	1.48	1.50	1.42	1.58	1.49	1.45	1.35	1.66	1.36	1.32	---
23	1.38	1.46	1.55	1.41	1.56	1.48	1.44	1.35	1.73	1.35	1.42	---
24	1.38	1.56	1.75	1.41	1.56	1.48	1.44	1.34	1.90	1.34	1.34	---
25	1.38	1.49	1.60	1.84	1.55	1.48	1.45	1.34	1.63	1.35	1.35	---
26	1.47	1.46	1.55	1.77	1.57	1.47	1.85	1.33	1.58	1.41	1.31	---
27	1.48	1.68	1.52	1.62	1.55	1.47	1.60	1.33	1.50	1.41	1.29	---
28	1.44	1.80	1.51	1.55	1.52	1.47	1.52	1.32	1.54	1.36	1.29	---
29	1.43	1.65	1.49	1.52	1.51	1.47	1.48	1.33	1.47	1.33	1.29	---
30	1.42	1.57	1.56	1.50	---	1.60	1.47	1.35	1.59	1.32	1.28	---
31	1.41	---	1.49	1.48	---	1.53	---	1.51	---	1.55	1.27	---
MEAN	1.41	1.51	1.57	1.50	1.70	1.54	1.52	1.41	1.41	1.47	1.32	---
MAX	1.48	2.44	2.13	1.84	3.05	1.79	1.94	1.70	1.90	1.79	1.48	---
MIN	1.38	1.37	1.40	1.41	1.46	1.47	1.44	1.32	1.28	1.32	1.27	---

2004 Water Year

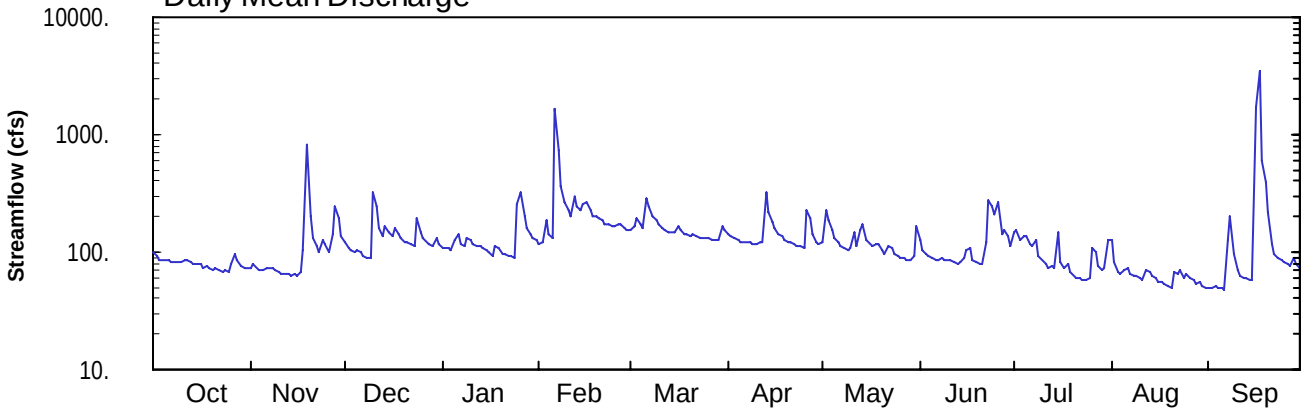
MOBILE RIVER BASIN

02382200 TALKING ROCK CREEK NEAR HINTON, GA

Latitude: 34°31'22" Longitude: 084°36'40" Hydrologic Unit Code: 03150102

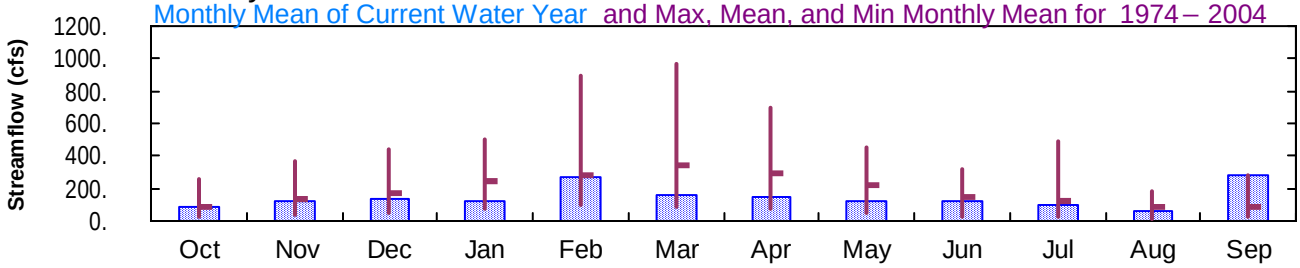
Pickens County Datum: 893.69 feet Drainage Area: 119. mi²

Daily Mean Discharge

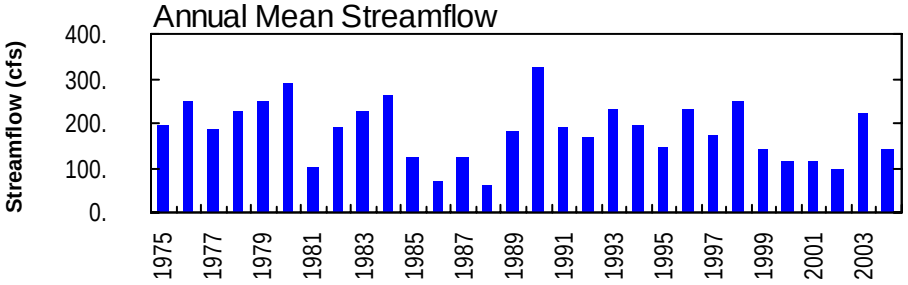


Monthly Statistics

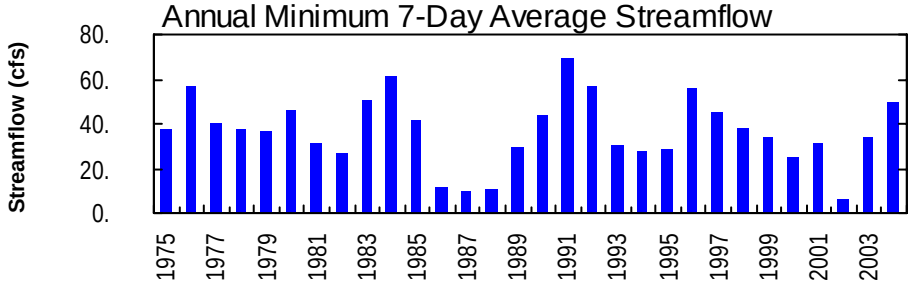
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1974 – 2004



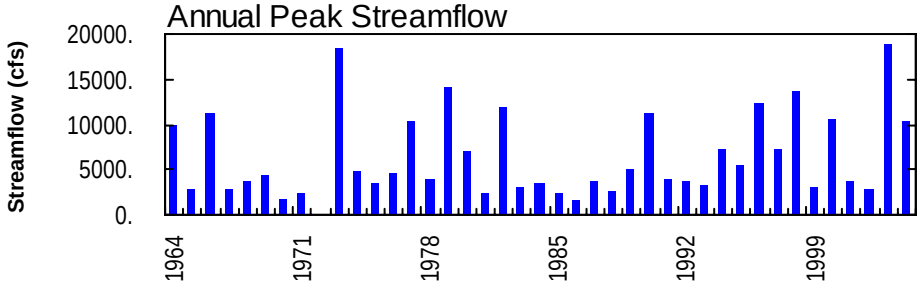
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02382200 TALKING ROCK CREEK NEAR HINTON, GA

LOCATION.—Lat 34°31'22", long 84°36'40", referenced to North American Datum (NAD) of 1983, Pickens County, Hydrologic Unit 03150102, on left bank, 300.0 feet downstream from Scarecorn Creek, and 3.3 miles northwest of Hinton.

DRAINAGE AREA.—119 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1973 to current year.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 893.69 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of May 28, 1973, reached a stage of 15.45 feet, from flood marks; discharge 18,400 cfs from rating curve extended above 6,200 cfs on basis of slope-area measurements of gage height 15.45 feet.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/06	1330	3,720	6.89
09/17	0000	10,300*	11.50*

02382200 TALKING ROCK CREEK NEAR HINTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1973 to current year.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 893.69 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.50 feet, September 17; minimum gage-height recorded, 1.08 feet, September 5-7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 8, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382200 TALKING ROCK CREEK NEAR HINTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 227
LATITUDE 343122 LONGITUDE 0843640 NAD83 DRAINAGE AREA 119 CONTRIBUTING DRAINAGE AREA 119* DATUM 893.69 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	73	119	110	116	152	144	120	128	148	126	50
2	93	80	109	108	122	164	137	223	102	153	e82	50
3	86	74	104	108	184	195	134	190	94	126	e68	e51
4	86	72	102	106	142	170	127	151	93	137	65	50
5	85	71	103	128	131	161	120	132	87	136	70	49
6	86	73	99	141	1680	284	121	121	87	115	74	49
7	84	74	92	118	739	243	121	111	86	112	65	128
8	84	72	89	114	357	198	121	106	89	125	63	e200
9	82	69	88	132	260	184	119	104	87	94	62	95
10	83	66	322	126	227	171	115	110	86	84	60	72
11	84	65	247	115	204	160	122	149	84	79	58	62
12	84	66	158	111	e294	155	123	112	e82	73	69	60
13	82	66	135	111	244	148	326	153	78	77	67	60
14	80	62	165	108	223	146	220	173	82	75	63	59
15	79	64	148	105	252	146	176	126	89	151	59	57
16	78	63	136	99	262	169	158	115	106	84	57	1740
17	74	68	158	94	226	154	142	e113	107	75	56	3500
18	75	103	142	114	201	144	138	116	86	80	54	613
19	74	834	134	110	198	142	128	117	83	69	52	391
20	72	199	122	98	195	139	123	104	78	63	50	220
21	72	129	120	96	189	142	120	96	79	61	68	116
22	71	111	115	93	173	137	116	114	122	60	64	e98
23	67	99	113	91	170	133	113	108	278	59	e70	e90
24	69	e126	192	90	168	132	110	97	242	57	61	e84
25	67	118	149	256	165	130	107	93	211	59	e65	e81
26	80	101	134	325	170	129	227	90	264	109	60	e79
27	97	142	123	199	172	129	193	87	141	98	e57	e77
28	84	250	116	159	158	128	143	87	151	76	54	e90
29	77	192	112	143	154	126	124	87	135	71	e56	e80
30	74	139	131	134	---	169	118	91	111	74	52	e72
31	73	---	117	125	---	156	---	164	---	125	50	---
TOTAL	2482	3721	4194	3967	7776	4936	4286	3760	3548	2905	1977	8423
MEAN	80.1	124	135	128	268	159	143	121	118	93.7	63.8	281
MAX	100	834	322	325	1680	284	326	223	278	153	126	3500
MIN	67	62	88	90	116	126	107	87	78	57	50	49
CFSM	0.67	1.04	1.14	1.08	2.25	1.34	1.20	1.02	0.99	0.79	0.54	2.36
IN.	0.78	1.16	1.31	1.24	2.43	1.54	1.34	1.18	1.11	0.91	0.62	2.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	91.8	131	170	248	287	348	299	214	148	124	85.8	82.9
MAX	260	366	439	500	895	964	697	455	322	491	188	281
(WY)	1990	1993	1984	1974	1990	1980	1979	1984	1989	2003	1984	2004
MIN	20.7	36.1	49.8	70.5	100	89.8	75.5	53.5	23.5	26.2	13.3	23.5
(WY)	1988	1988	1989	1981	1988	1988	1986	1988	1988	1988	2002	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1974 - 2004	
ANNUAL TOTAL	79415		51975			
ANNUAL MEAN	218		142		183	
HIGHEST ANNUAL MEAN					323	1990
LOWEST ANNUAL MEAN					62.7	1988
HIGHEST DAILY MEAN	3960	Jul 16	3500	Sep 17	6890	Mar 4 1979
LOWEST DAILY MEAN	62	Nov 14	49	Sep 5 a	5.6	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	65	Nov 10	50	Aug 31 b	6.4	Sep 8 2002
MAXIMUM PEAK FLOW			10300	Sep 17	19000	Jul 16 2003
MAXIMUM PEAK STAGE			11.50	Sep 17	15.65	Jul 16 2003
ANNUAL RUNOFF (CFSM)	1.83		1.19		1.54	
ANNUAL RUNOFF (INCHES)	24.83		16.25		20.90	
10 PERCENT EXCEEDS	314		199		324	
50 PERCENT EXCEEDS	155		111		120	
90 PERCENT EXCEEDS	82		63		45	

e Estimated
a Also Sep 6
b Computed using estimated values

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382200 TALKING ROCK CREEK NEAR HINTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 227
LATITUDE 343122 LONGITUDE 0843640 NAD83 DRAINAGE AREA 119 CONTRIBUTING DRAINAGE AREA 119* DATUM 893.69 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.45	1.29	1.55	1.51	1.54	1.55	1.52	1.41	1.44	1.65	1.55	1.09
2	1.41	1.33	1.50	1.50	1.56	1.60	1.49	1.79	1.31	1.67	---	1.09
3	1.37	1.30	1.47	1.50	1.82	1.72	1.47	1.70	1.27	1.56	---	---
4	1.37	1.28	1.46	1.48	1.66	1.63	1.44	1.55	1.26	1.60	1.21	1.10
5	1.36	1.28	1.47	1.59	1.61	1.59	1.41	1.47	1.23	1.60	1.24	1.09
6	1.37	1.29	1.45	1.65	4.19	2.00	1.41	1.41	1.23	1.50	1.26	1.08
7	1.36	1.30	1.41	1.55	3.05	1.89	1.41	1.36	1.22	1.49	1.21	1.45
8	1.36	1.28	1.39	1.53	2.23	1.73	1.41	1.34	1.24	1.54	1.20	---
9	1.35	1.27	1.39	1.61	1.94	1.68	1.40	1.33	1.23	1.39	1.18	1.39
10	1.35	1.25	2.11	1.58	1.84	1.63	1.38	1.35	1.22	1.33	1.17	1.25
11	1.36	1.24	2.04	1.53	1.75	1.58	1.42	1.53	1.21	1.30	1.15	1.18
12	1.36	1.24	1.73	1.51	---	1.56	1.42	1.37	---	1.26	1.23	1.17
13	1.35	1.24	1.63	1.51	1.89	1.54	2.12	1.55	1.17	1.28	1.22	1.17
14	1.34	1.22	1.75	1.49	1.82	1.52	1.81	1.63	1.20	1.26	1.19	1.16
15	1.33	1.23	1.69	1.48	1.91	1.52	1.65	1.43	1.24	1.64	1.17	1.15
16	1.32	1.22	1.63	1.45	1.95	1.62	1.58	1.38	1.33	1.33	1.15	3.12
17	1.30	1.26	1.73	1.42	1.83	1.56	1.51	---	1.34	1.27	1.14	6.05
18	1.31	1.41	1.66	1.52	1.74	1.52	1.49	1.39	1.23	1.31	1.12	2.85
19	1.29	3.22	1.62	1.50	1.73	1.51	1.44	1.39	1.21	1.23	1.10	2.36
20	1.28	1.88	1.57	1.44	1.72	1.49	1.42	1.32	1.18	1.19	1.10	1.86
21	1.28	1.60	1.56	1.43	1.70	1.51	1.41	1.28	1.18	1.18	1.23	1.44
22	1.28	1.51	1.53	1.41	1.64	1.49	1.39	1.36	1.40	1.17	1.20	---
23	1.25	1.45	1.52	1.40	1.63	1.47	1.37	1.34	1.99	1.16	---	---
24	1.27	---	1.86	1.40	1.62	1.47	1.36	1.29	1.97	1.15	1.18	---
25	1.25	1.55	1.69	1.96	1.61	1.46	1.34	1.26	1.87	1.16	---	---
26	1.34	1.46	1.62	2.26	1.62	1.45	1.81	1.25	2.04	1.46	1.17	---
27	1.44	1.63	1.57	1.88	1.64	1.45	1.71	1.23	1.63	1.41	---	---
28	1.36	2.05	1.53	1.73	1.58	1.45	1.51	1.23	1.67	1.28	1.12	---
29	1.32	1.86	1.52	1.66	1.56	1.43	1.43	1.23	1.59	1.24	---	---
30	1.30	1.64	1.61	1.62	---	1.62	1.40	1.25	1.48	1.26	1.11	---
31	1.29	---	1.54	1.58	---	1.57	---	1.58	---	1.45	1.10	---
MEAN	1.33	---	1.61	1.57	---	1.57	1.50	---	---	1.37	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382200 TALKING ROCK CREEK NEAR HINTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 227
LATITUDE 343122 LONGITUDE 0843640 NAD83 DRAINAGE AREA 119 CONTRIBUTING DRAINAGE AREA 119* DATUM 893.69 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.51	0.45	---
2	0.00	0.00	0.00	0.00	0.50	0.15	0.00	---	0.00	0.09	---	---
3	0.00	0.00	0.05	0.00	0.02	0.00	0.00	---	0.00	0.02	---	0.00
4	0.00	0.00	0.08	0.00	0.00	0.00	0.00	---	0.00	0.80	0.00	0.00
5	0.00	0.07	0.03	0.54	0.00	0.00	0.00	---	0.00	0.00	0.35	0.00
6	0.00	0.01	0.00	0.00	2.71	0.17	0.00	0.00	0.00	0.55	0.00	0.00
7	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.03	0.00	2.59
8	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.16
9	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.75	0.02	0.00	0.00	0.00
10	0.03	0.00	0.97	0.00	0.07	0.00	0.01	0.00	0.00	0.21	0.00	0.00
11	0.00	0.00	0.00	0.00	0.11	0.00	0.04	0.07	0.00	0.00	0.00	0.00
12	0.00	0.06	0.00	0.00	0.52	0.00	0.42	0.01	0.00	0.02	0.58	0.00
13	0.00	0.01	0.35	0.00	0.00	0.00	0.57	0.29	0.00	0.02	0.00	0.00
14	0.00	0.00	0.17	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.43	0.02	0.00	0.00	1.12	0.00	0.00	0.00
16	0.00	0.00	0.28	0.00	0.00	0.16	0.00	1.19	0.16	0.00	0.00	5.24
17	0.02	0.06	0.09	0.12	0.00	0.00	0.00	---	0.00	0.00	0.21	0.43
18	0.00	2.69	0.01	0.18	0.00	0.00	0.00	0.18	0.01	0.00	0.00	0.00
19	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
20	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.53	0.00
21	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.05	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.35	0.00	0.00	0.00
23	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.01	0.37	0.00	0.12	0.00
24	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.10	0.00
25	0.00	0.00	0.00	1.49	0.02	0.00	0.18	0.00	1.34	1.09	0.05	0.00
26	0.16	0.00	0.00	0.00	0.04	0.00	---	0.00	0.00	1.26	0.00	0.00
27	0.24	0.78	0.00	0.00	0.00	0.00	---	0.00	0.84	0.04	0.00	0.47
28	0.00	0.52	0.00	0.00	0.00	0.00	---	0.01	0.29	0.00	---	---
29	0.00	0.00	0.13	0.00	0.00	0.03	---	0.00	0.00	1.58	---	0.00
30	0.00	0.00	0.28	0.00	---	0.38	---	0.14	0.34	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.02	---	1.21	---	0.02	0.00	---
TOTAL	0.47	5.36	3.02	2.68	4.50	1.12	---	---	5.30	6.24	---	---

MOBILE RIVER BASIN
2004 Water Year

02382400 CARTERS RE-REGULATION LAKE NEAR CARTERS, GA

LOCATION.—Lat 34°36'15", long 84°41'29", referenced to North American Datum (NAD) of 1927, Murray County, Hydrologic Unit 03150102, at afterbay of main dam, on Coosawattee River, 0.2 miles downstream from Talking Rock Creek, 0.2 miles upstream from Louisville and Nashville Railway bridge, 1.5 miles downstream from main dam and at mile 25.3.

DRAINAGE AREA.—520 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1975 to current year.

REVISED RECORDS.—WRD GA-80-1: Drainage area. WRD GA-9301: 1989-91.

GAGE.—Water stage recorder. Datum of gage is 600.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway (crest elevation, 662.5 feet) is equipped with four tainter gages 42.0 feet wide by 36.5 feet high. Capacity at maximum storage pool elevation, 698.00 feet, is 17,600 acre-feet. Dead storage is 290 acre-feet. The reservoir is used for storage and re-regulation of power releases from Carters main dam.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 45.87 feet, January 8; minimum gage-height, 23.72 feet, April 5.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382400 CARTERS RE-REGULATION LAKE NEAR CARTERS, GA LAKE SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 343615 LONGITUDE 0844129 NAD27 DATUM 600.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.77	36.37	30.36	40.88	33.17	36.89	38.81	35.10	30.57	37.76	36.09	34.69
2	35.39	32.79	33.82	42.60	29.32	37.14	40.23	28.99	33.72	39.59	35.53	35.97
3	35.77	30.66	35.55	40.52	31.88	36.30	36.85	28.73	36.43	39.88	39.52	36.66
4	33.97	33.64	38.08	36.00	33.72	36.65	31.17	30.67	38.07	36.09	40.87	36.45
5	30.02	36.62	39.59	34.73	32.49	38.72	26.20	31.85	37.88	34.33	41.96	32.39
6	29.48	39.58	38.77	38.14	36.57	36.26	32.75	33.81	34.21	37.37	41.00	30.28
7	34.07	41.98	34.77	40.87	40.13	32.33	36.94	36.70	32.51	39.17	37.60	31.21
8	36.61	41.32	34.07	43.67	37.71	29.81	39.80	36.99	34.70	40.21	32.42	34.03
9	38.96	37.94	37.63	42.22	38.79	34.15	41.20	33.14	37.85	40.92	28.96	36.89
10	40.66	37.63	37.49	38.38	39.48	36.90	37.94	31.26	40.50	39.44	31.55	38.95
11	39.83	38.80	40.05	32.49	38.74	40.28	32.61	36.90	41.78	34.95	34.52	39.38
12	34.96	39.82	42.13	32.47	38.46	42.24	29.64	40.02	40.67	32.41	36.97	39.46
13	33.32	41.57	39.72	36.20	40.42	41.18	32.74	42.16	35.77	35.29	40.25	39.73
14	36.35	44.05	35.14	38.07	36.50	36.91	36.08	42.21	33.31	37.69	39.47	36.14
15	38.29	42.30	34.57	40.19	33.20	34.75	36.35	39.78	34.35	39.99	34.08	30.72
16	39.23	38.88	36.00	44.00	35.13	34.48	35.43	35.58	34.97	41.46	31.38	29.39
17	41.74	37.06	36.07	40.77	38.07	37.55	32.75	33.18	37.77	41.04	35.97	34.79
18	41.86	37.43	39.74	35.64	38.38	41.12	28.35	34.81	40.71	36.69	40.36	30.60
19	38.65	39.21	40.93	31.50	39.93	42.75	30.82	36.46	40.18	34.09	40.92	30.93
20	37.47	41.03	38.99	33.25	42.12	41.93	35.61	38.01	35.60	36.08	40.89	31.12
21	39.34	40.33	34.36	36.74	40.04	38.34	37.81	40.21	33.05	38.51	40.03	31.36
22	40.61	38.00	35.42	41.15	35.60	37.87	38.88	39.89	35.75	40.91	34.88	32.14
23	39.84	33.96	40.03	43.45	35.58	39.97	40.00	35.71	37.54	40.79	30.01	34.10
24	39.34	32.46	40.32	42.13	37.49	41.39	38.95	33.54	40.59	38.14	31.59	35.77
25	38.23	38.64	39.42	38.58	38.90	41.58	34.81	35.60	42.72	32.55	33.74	35.32
26	33.96	42.73	37.92	36.09	41.55	42.20	33.38	36.30	41.46	28.89	36.20	34.74
27	32.04	42.01	34.44	35.44	41.93	39.03	36.42	37.72	36.18	30.46	38.87	34.76
28	34.30	40.08	28.57	38.27	41.11	34.00	39.15	38.61	33.45	33.11	38.79	36.40
29	35.56	36.22	29.75	42.09	37.61	30.07	40.47	37.32	34.00	36.91	32.55	38.08
30	37.33	31.16	34.33	43.49	---	33.15	39.34	32.67	35.68	39.21	30.11	40.23
31	37.72	---	38.18	39.06	---	36.48	---	28.64	---	39.42	33.19	---
MEAN	36.73	38.14	36.65	38.68	37.38	37.50	35.72	35.57	36.73	37.20	36.14	34.76
MAX	41.86	44.05	42.13	44.00	42.12	42.75	41.20	42.21	42.72	41.46	41.96	40.23
MIN	29.48	30.66	28.57	31.50	29.32	29.81	26.20	28.64	30.57	28.89	28.96	29.39

2004 Water Year

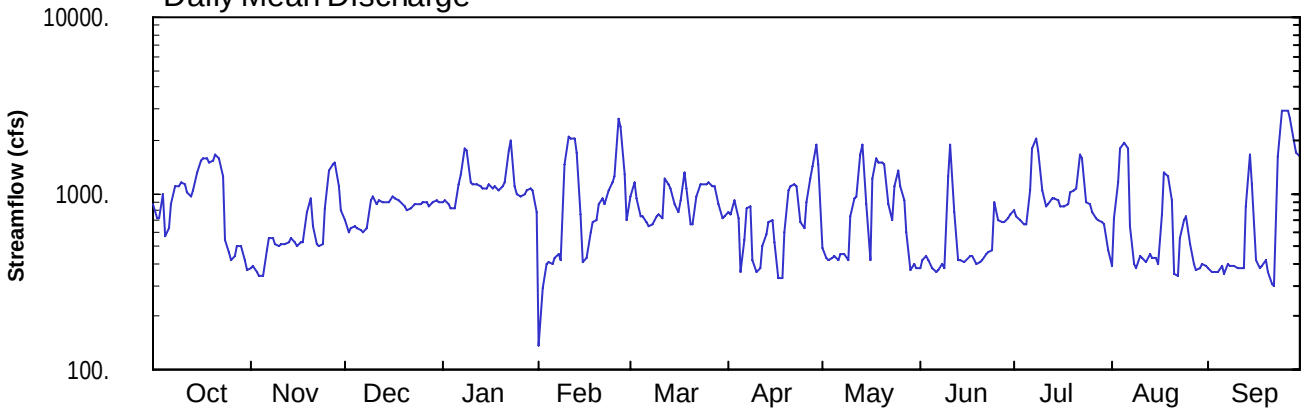
MOBILE RIVER BASIN

02382500 COOSAWATTEE RIVER AT CARTERS, GA

Latitude: 34°36'13" Longitude: 084°41'44" Hydrologic Unit Code: 03150102

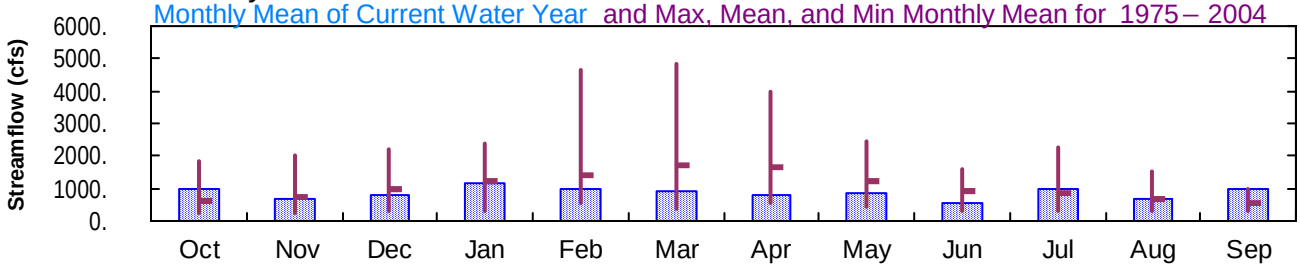
Murray County Datum: 650.67 feet Drainage Area: 521. mi²

Daily Mean Discharge

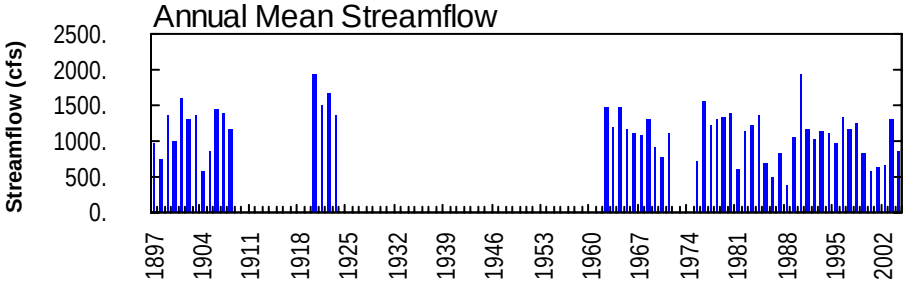


Monthly Statistics

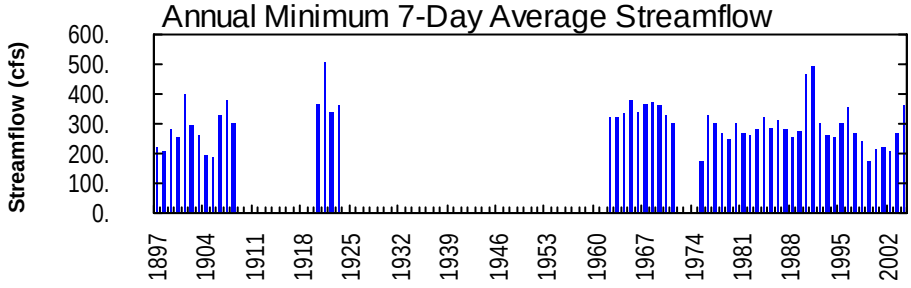
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1975 – 2004



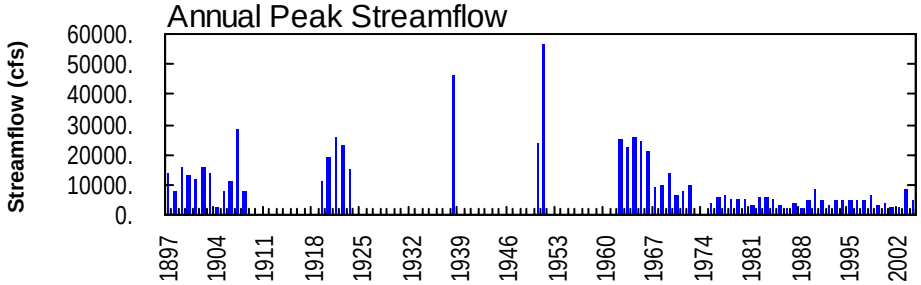
Annual Mean Streamflow

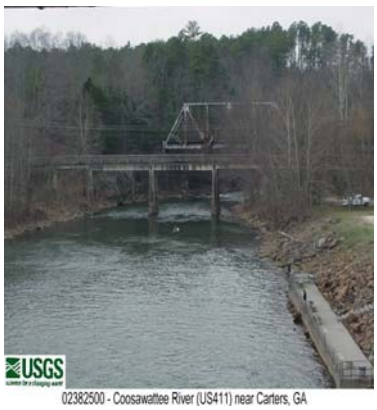


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





MOBILE RIVER BASIN
2004 Water Year

02382500 COOSAWATTEE RIVER AT CARTERS, GA

LOCATION.—Lat 34°36'13", long 84°41'44", referenced to North American Datum (NAD) of 1927, Murray County, Hydrologic Unit 03150102, on downstream side of center bridge pier on US 411 at Carters, 200.0 feet upstream from Louisville & Nashville Railroad bridge, 0.4 miles downstream from Carters re-regulation dam, and 0.6 miles downstream from Talking Rock Creek.

DRAINAGE AREA.—521 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1896 to December 1908, October 1918 to September 1923, October 1961 to September 1972, October 1974 to current year. Monthly discharge only for October to November 1918 published in WSP 1304.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 650.67 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Prior to September 1923, a non-recording gage was located at a site 0.2 miles upstream at datum 2.00 feet higher.

REMARKS.—Records good, except for periods of estimated discharge, which are poor. Flow regulated by Carters Lake and Carters re-regulation dam since November 1974. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of March 29 or 30, 1951, reached a stage of about 36 feet, from flood marks; discharge 57,000 cfs, from rating curve extended above 24,000 cfs.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1896 to December 1908, October 1918 to September 1923, October 1961 to September 1972, October 1974 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 650.67 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Prior to September 1923, a non-recording gage was located at a site 0.2 miles upstream at datum 2.00 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.62 feet, January 12; minimum gage-height recorded, 3.50 feet, February 2.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382500 COOSAWATTEE RIVER AT CARTERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 343613 LONGITUDE 0844144 NAD27 DRAINAGE AREA 521 CONTRIBUTING DRAINAGE AREA 521* DATUM 650.67 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	877	376	700	884	138	954	788	493	377	803	385	380
2	727	388	601	910	294	1160	755	428	414	747	731	357
3	731	360	628	877	393	935	911	416	446	699	1140	361
4	987	340	648	815	409	734	721	433	420	667	1780	358
5	573	341	631	826	395	734	355	438	381	668	1960	383
6	637	480	619	1130	431	680	538	420	356	1050	1810	348
7	864	559	597	1280	455	645	817	449	365	1820	650	400
8	1090	550	630	1780	424	672	840	450	393	2070	393	390
9	1100	513	921	1760	1440	742	419	413	379	1760	373	391
10	1140	508	956	1160	2080	756	355	747	1250	1030	439	375
11	1120	517	870	1130	2050	730	380	941	1900	841	430	376
12	1010	521	902	1110	2040	1210	501	961	771	861	413	377
13	972	534	900	1100	1700	1110	591	1670	419	935	447	844
14	1050	552	896	1080	756	1080	677	1890	420	936	430	1640
15	1320	523	894	1070	413	876	696	860	411	915	426	1130
16	1520	505	951	1130	432	775	532	421	419	852	396	422
17	1580	532	937	1080	604	917	328	1220	442	846	765	373
18	1580	528	915	1090	689	1310	332	1560	445	858	1330	385
19	1510	771	884	1040	711	1070	605	1490	397	1010	1240	417
20	1530	927	851	1080	871	665	1050	1510	406	1050	905	362
21	1650	647	799	1150	932	669	1110	1450	420	1070	351	307
22	1590	512	820	1760	871	955	1110	871	450	1670	337	298
23	1260	506	868	1980	1030	1140	1100	698	468	1590	560	1600
24	539	510	876	1090	1170	1130	685	1090	471	897	696	2950
25	466	814	861	996	1240	1130	633	1330	893	861	740	2960
26	420	1350	893	973	2640	1140	881	1110	702	772	509	2980
27	441	1460	881	977	2360	1100	1210	916	678	726	402	2670
28	496	1510	849	1040	1270	1090	1440	610	694	e700	367	2010
29	496	1100	883	1070	703	863	1890	367	723	e690	376	1700
30	415	792	907	1050	---	722	1460	401	768	666	393	1600
31	368	---	900	772	---	740	---	379	---	477	387	---
TOTAL	30059	19526	25468	35190	28941	28434	23710	26432	17078	30537	21561	29144
MEAN	970	651	822	1135	998	917	790	853	569	985	696	971
MAX	1650	1510	956	1980	2640	1310	1890	1890	1900	2070	1960	2980
MIN	368	340	597	772	138	645	328	367	356	477	337	298
CFSM	1.86	1.25	1.58	2.18	1.92	1.76	1.52	1.64	1.09	1.89	1.33	1.86
IN.	2.15	1.39	1.82	2.51	2.07	2.03	1.69	1.89	1.22	2.18	1.54	2.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	610	731	950	1212	1399	1700	1644	1251	942	839	703	575
MAX	1852	2008	2211	2384	4651	4861	4004	2455	1596	2247	1536	971
(WY)	1990	1978	1983	1978	1990	1990	1977	2003	2003	1976	2003	2004
MIN	224	222	289	309	572	369	530	407	330	328	311	299
(WY)	1999	1999	1989	1988	2000	1988	1986	1986	1988	1988	1993	1998

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	486704		316080			
ANNUAL MEAN	1333		864		1045	
HIGHEST ANNUAL MEAN					1945	1990
LOWEST ANNUAL MEAN					399	1988
HIGHEST DAILY MEAN	6750	Jul 17	2980	Sep 26	6750	Jul 17 2003
LOWEST DAILY MEAN	340	Nov 4	138	Feb 1	122	Nov 15 1974
ANNUAL SEVEN-DAY MINIMUM	370	Oct 30	359	Feb 1	172	Nov 27 1998
MAXIMUM PEAK FLOW			4480	Jan 12	8450	Jul 17 2003
MAXIMUM PEAK STAGE			11.62	Jan 12	19.10	Jul 17 2003
ANNUAL RUNOFF (CFSM)	2.56		1.66		2.01	
ANNUAL RUNOFF (INCHES)	34.75		22.57		27.24	
10 PERCENT EXCEEDS	2390		1540		2070	
50 PERCENT EXCEEDS	1140		772		794	
90 PERCENT EXCEEDS	522		382		318	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382500 COOSAWATTEE RIVER AT CARTERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 343613 LONGITUDE 0844144 NAD27 DRAINAGE AREA 521 CONTRIBUTING DRAINAGE AREA 521* DATUM 650.67 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.40	4.37	5.08	5.42	3.75	5.49	5.16	4.62	4.36	5.19	4.38	4.37
2	5.15	4.40	4.91	5.46	4.09	5.88	5.11	4.49	4.45	5.09	5.05	4.31
3	5.16	4.33	4.97	5.41	4.40	5.45	5.39	4.46	4.53	5.01	5.84	4.32
4	5.59	4.27	5.00	5.30	4.44	5.07	5.04	4.50	4.47	4.95	6.98	4.31
5	4.86	4.27	4.97	5.32	4.41	5.07	4.30	4.51	4.37	4.95	7.28	4.37
6	4.96	4.63	4.95	5.80	4.49	4.98	4.70	4.47	4.30	5.68	7.04	4.28
7	5.37	4.83	4.90	6.06	4.55	4.92	5.22	4.54	4.33	7.02	4.90	4.42
8	5.76	4.81	4.97	6.92	4.48	4.96	5.26	4.54	4.40	7.45	4.40	4.39
9	5.77	4.73	5.46	6.91	6.32	5.08	4.46	4.46	4.36	6.95	4.35	4.40
10	5.83	4.71	5.54	5.85	7.46	5.11	4.30	5.08	5.97	5.62	4.51	4.35
11	5.79	4.73	5.40	5.81	7.42	5.06	4.37	5.45	7.17	5.25	4.49	4.36
12	5.62	4.74	5.45	5.79	7.41	5.96	4.62	5.49	5.14	5.30	4.45	4.36
13	5.56	4.78	5.45	5.77	6.83	5.79	4.82	6.75	4.47	5.43	4.52	5.27
14	5.69	4.82	5.44	5.72	5.11	5.73	4.97	7.16	4.47	5.44	4.50	6.72
15	6.16	4.75	5.44	5.70	4.45	5.33	5.01	5.31	4.45	5.39	4.48	5.77
16	6.50	4.70	5.53	5.82	4.50	5.14	4.67	4.47	4.47	5.27	4.41	4.46
17	6.60	4.77	5.51	5.72	4.83	5.41	4.23	5.97	4.52	5.26	5.11	4.35
18	6.60	4.76	5.47	5.76	4.99	6.17	4.24	6.61	4.53	5.28	6.19	4.38
19	6.47	5.21	5.42	5.66	5.03	5.71	4.80	6.50	4.41	5.58	6.03	4.47
20	6.51	5.49	5.36	5.73	5.33	4.95	5.67	6.54	4.44	5.66	5.39	4.32
21	6.73	4.99	5.28	5.87	5.43	4.96	5.79	6.43	4.47	5.71	4.29	4.17
22	6.62	4.72	5.31	6.92	5.30	5.50	5.79	5.33	4.54	6.76	4.25	4.15
23	6.03	4.71	5.39	7.31	5.62	5.84	5.78	5.01	4.58	6.65	4.72	6.51
24	4.76	4.71	5.41	5.75	5.90	5.84	4.99	5.75	4.58	5.36	5.00	8.91
25	4.60	5.28	5.38	5.56	6.03	5.84	4.89	6.21	5.37	5.29	5.08	8.92
26	4.48	6.20	5.43	5.52	8.40	5.85	5.36	5.77	5.02	5.13	4.65	8.96
27	4.54	6.38	5.42	5.52	7.95	5.78	5.99	5.39	4.97	5.05	4.42	8.45
28	4.68	6.48	5.36	5.65	6.07	5.75	6.40	4.82	5.00	---	4.33	7.36
29	4.68	5.76	5.42	5.71	5.02	5.31	7.16	4.33	5.05	---	4.36	6.85
30	4.47	5.26	5.46	5.67	---	5.05	6.41	4.42	5.13	4.95	4.40	6.69
31	4.34	---	5.45	5.13	---	5.08	---	4.36	---	4.58	4.39	---
MEAN	5.53	4.95	5.31	5.82	5.52	5.42	5.16	5.28	4.74	---	4.97	5.43

2004 Water Year

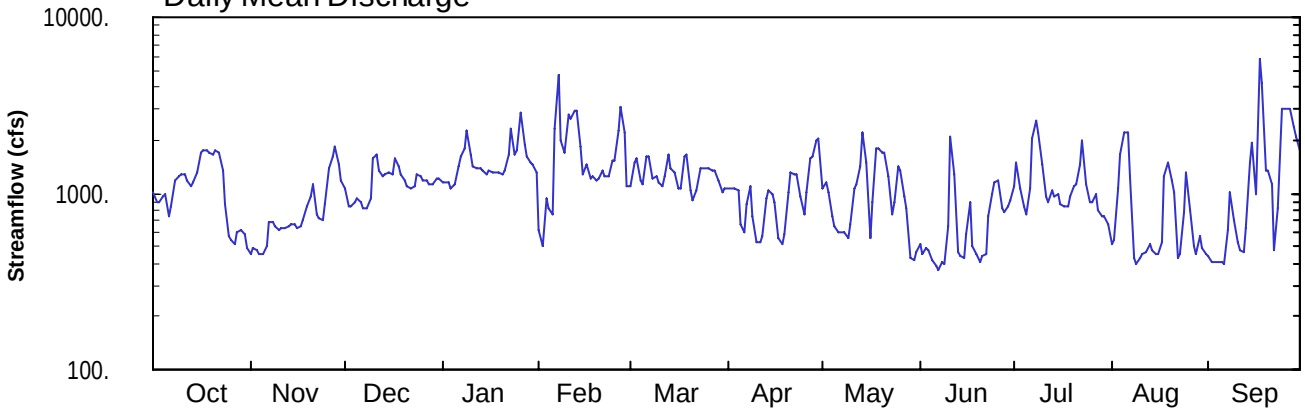
MOBILE RIVER BASIN

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA

Latitude: 34°33'51" Longitude: 084°49'59" Hydrologic Unit Code: 03150102

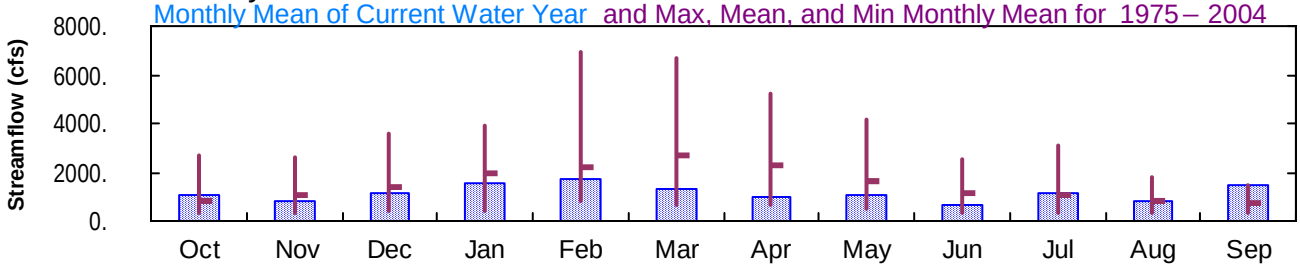
Gordon County Datum: 616.16 feet Drainage Area: 831. mi²

Daily Mean Discharge

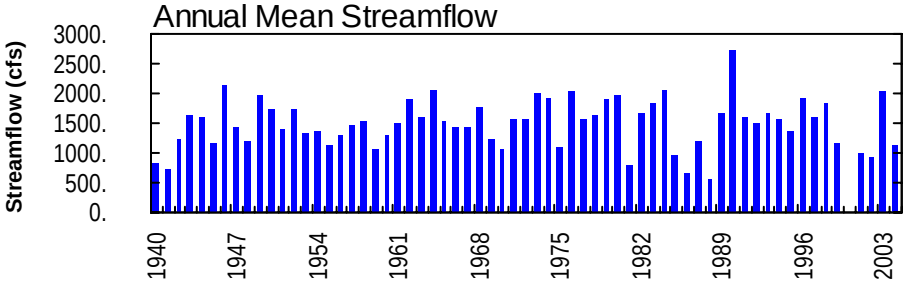


Monthly Statistics

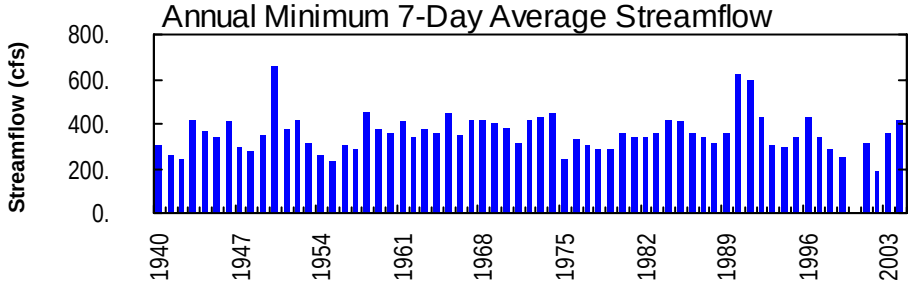
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1975 – 2004



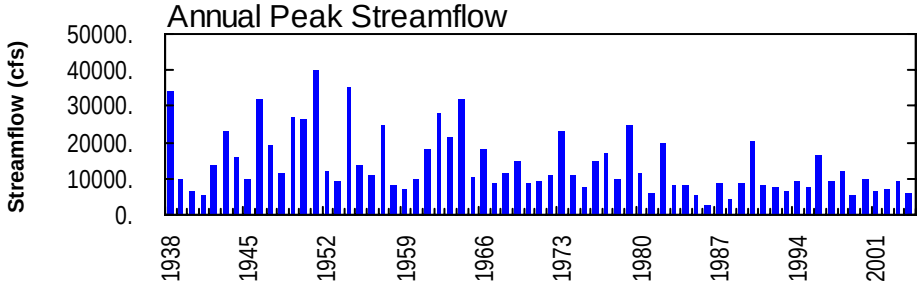
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA

LOCATION.—Lat 34°33'51", long 84°49'59", referenced to North American Datum (NAD) of 1983, Gordon County, Hydrologic Unit 03150102, on the downstream side of right bank pier of Owens Bridge on Owens Gin Road, 1.4 miles downstream from Sallacoa Creek, 8.7 miles upstream from confluence with Conasauga River, and 2.4 miles east of Pine Chapel.

DRAINAGE AREA.—831 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, GA. Monthly discharge only for October to November 1938, published in WSP 1304.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 616.16 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 miles downstream. Prior to February 23, 1940, a non-recording gage was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, a water-stage recorder was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, an auxiliary water-stage recorder was located at current gage site. From April 9, 1975, to September 30, 1976, a water-stage recorder on Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.—Records good, except for periods of estimated discharge, which are poor. Flow regulated by Carters Lake and Carters Re-regulation Dam. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of April 8, 1938, reached a stage of 30.0 feet from gage reading at current auxiliary gage discharge 34,000 cfs.

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, GA.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 616.16 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 miles downstream. Prior to February 23, 1940, a non-recording gage was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, a water-stage recorder was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, an auxiliary water-stage recorder was located at current gage site. From April 9, 1975, to September 30, 1976, a water-stage recorder on Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.02 feet, September 17; minimum gage-height recorded, 4.09 feet, June 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 14, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343351 LONGITUDE 0844959 NAD83 DRAINAGE AREA 831.00 CONTRIBUTING DRAINAGE AREA 831.00* DATUM 616.16 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1020	457	1070	1150	618	1100	1060	1060	510	e1110	518	442
2	883	488	835	1150	505	1480	1060	1140	450	1500	543	404
3	881	478	842	1150	934	1570	1070	1020	484	1070	1070	404
4	955	447	890	1070	833	1180	1050	746	481	839	e1650	409
5	990	447	932	1130	754	1140	660	656	420	771	2190	408
6	748	499	891	1420	2350	1640	604	610	391	1070	2190	401
7	842	688	819	1610	4710	1600	876	598	366	2050	1250	621
8	1180	692	831	1810	2020	1220	1100	596	407	2550	433	1000
9	1240	656	936	2290	1700	1230	733	558	396	2190	395	698
10	1270	620	1590	1640	2820	1170	535	674	653	1470	432	531
11	1280	641	1680	1430	2660	1100	533	1070	2100	950	456	482
12	1180	640	1350	1380	2910	1260	569	1120	1290	888	467	462
13	1100	659	1250	1370	2940	1670	937	1430	467	1030	518	635
14	1160	676	1280	1330	1820	1380	1040	2200	438	974	480	1490
15	1300	669	1310	1300	1290	1310	975	1500	434	982	456	1930
16	1690	627	1270	1350	1450	1070	896	561	594	860	448	981
17	e1740	651	1560	1320	1220	1070	562	897	882	850	533	5770
18	e1740	704	1430	1320	1260	1620	517	1800	505	853	1240	4250
19	e1680	e837	1280	1310	1180	1680	584	1780	449	953	1510	1330
20	1650	e967	1190	1280	1220	1030	1020	1700	404	1110	1170	1330
21	e1740	1130	1090	1350	1360	921	1320	1690	436	1120	1000	1130
22	e1710	754	1060	1680	1250	1040	1270	1230	458	1440	429	480
23	e1350	722	1090	2340	1260	1400	1280	761	749	2020	447	825
24	858	707	1270	1640	1520	1380	974	896	985	1120	783	3000
25	575	860	1250	1730	1550	1380	753	1440	1160	886	1330	3050
26	538	e1380	1180	2890	2280	1370	1020	1360	1200	890	796	3030
27	517	e1630	1190	1870	3120	1340	1570	959	825	980	500	2990
28	608	e1820	1120	1610	2190	1330	1640	821	790	805	449	2380
29	616	e1460	1120	1480	1090	1190	1980	431	844	748	569	2070
30	587	1200	1230	1460	---	1020	2060	421	e911	740	485	1760
31	488	---	1220	1320	---	1070	---	465	---	676	452	---
TOTAL	34116	24206	36056	47180	50814	39961	30248	32190	20479	35495	25189	44693
MEAN	1101	807	1163	1522	1752	1289	1008	1038	683	1145	813	1490
MAX	1740	1820	1680	2890	4710	1680	2060	2200	2100	2550	2190	5770
MIN	488	447	819	1070	505	921	517	421	366	676	395	401
CFSM	1.32	0.97	1.40	1.83	2.11	1.55	1.21	1.25	0.82	1.38	0.98	1.79
IN.	1.53	1.08	1.61	2.11	2.27	1.79	1.35	1.44	0.92	1.59	1.13	2.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	786	1035	1407	1972	2237	2705	2326	1640	1168	1041	831	704
MAX	2717	2653	3629	3883	6921	6657	5219	4173	2558	3102	1824	1490
(WY)	1990	1978	1983	1978	1990	1990	1977	2003	1989	2003	2003	2004
MIN	296	340	409	438	806	642	688	502	353	349	365	347
(WY)	1979	1988	1988	1981	2000	1988	1986	1986	1988	1988	1993	1993

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	712662		420627			
ANNUAL MEAN	1952		1149		1484	
HIGHEST ANNUAL MEAN					2741	1990
LOWEST ANNUAL MEAN					562	1988
HIGHEST DAILY MEAN	8380	May 7	5770	Sep 17	17900	Apr 14 1979
LOWEST DAILY MEAN	447	Nov 4	366	Jun 7	168	Aug 5 2002
ANNUAL SEVEN-DAY MINIMUM	472	Oct 31	417	Aug 31	184	Aug 8 2002
MAXIMUM PEAK FLOW			6210	Sep 17	24900	Mar 4 1979
MAXIMUM PEAK STAGE			18.02	Sep 17	30.07	Mar 4 1979
ANNUAL RUNOFF (CFSM)	2.35		1.38		1.79	
ANNUAL RUNOFF (INCHES)	31.90		18.83		24.26	
10 PERCENT EXCEEDS	3340		1800		3150	
50 PERCENT EXCEEDS	1620		1070		1050	
90 PERCENT EXCEEDS	761		467		393	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343351 LONGITUDE 0844959 NAD83 DRAINAGE AREA 831.00 CONTRIBUTING DRAINAGE AREA 831.00* DATUM 616.16 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.92	4.40	6.05	6.26	4.84	6.14	6.03	6.02	4.54	---	4.57	4.35
2	5.56	4.48	5.44	6.27	4.53	7.13	6.03	6.23	4.38	7.17	4.63	4.25
3	5.56	4.46	5.45	6.26	5.70	7.37	6.05	5.92	4.47	6.05	6.05	4.25
4	5.75	4.37	5.58	6.06	5.43	6.34	6.01	5.20	4.46	5.45	---	4.26
5	5.84	4.37	5.69	6.23	5.22	6.24	4.96	4.95	4.29	5.26	8.91	4.26
6	5.20	4.51	5.59	6.99	9.17	7.54	4.81	4.82	4.21	6.05	8.92	4.24
7	5.45	5.04	5.39	7.55	15.04	7.78	5.54	4.79	4.14	8.56	6.51	4.84
8	6.36	5.05	5.42	7.97	10.43	7.19	6.14	4.78	4.26	9.79	4.33	5.88
9	6.51	4.95	5.70	9.16	9.27	6.73	5.16	4.68	4.22	8.92	4.22	5.06
10	6.58	4.85	7.41	7.54	10.49	6.31	4.61	5.00	4.91	7.09	4.33	4.60
11	6.61	4.91	7.64	7.01	10.04	6.15	4.61	6.05	8.70	5.74	4.39	4.47
12	6.35	4.91	6.79	6.88	10.63	6.55	4.71	6.18	6.63	5.58	4.42	4.41
13	6.14	4.96	6.54	6.85	10.69	7.60	5.71	6.98	4.42	5.95	4.57	4.88
14	6.29	5.00	6.61	6.75	8.00	6.88	5.98	8.95	4.34	5.81	4.46	7.14
15	6.67	4.98	6.68	6.65	6.63	6.68	5.81	7.16	4.33	5.83	4.39	8.27
16	7.66	4.87	6.57	6.78	7.04	6.06	5.60	4.69	4.77	5.50	4.37	5.74
17	---	4.94	7.34	6.71	6.45	6.06	4.69	5.57	5.59	5.48	4.60	17.31
18	---	5.08	6.99	6.72	6.55	7.49	4.57	7.95	4.53	5.48	6.50	15.70
19	---	---	6.60	6.68	6.36	7.64	4.75	7.89	4.37	5.75	7.21	11.99
20	7.56	---	6.37	6.61	6.45	5.96	5.94	7.69	4.25	6.16	6.32	13.21
21	---	6.22	6.12	6.78	6.82	5.67	6.71	7.65	4.34	6.20	5.87	11.41
22	---	5.22	6.02	7.64	6.53	5.97	6.57	6.48	4.40	7.01	4.32	5.11
23	---	5.13	6.12	9.28	6.56	6.92	6.61	5.24	5.20	8.49	4.37	5.64
24	5.49	5.09	6.58	7.54	7.24	6.86	5.80	5.59	5.83	6.19	5.29	11.12
25	4.73	5.50	6.54	7.73	7.31	6.88	5.21	7.02	6.28	5.57	6.73	11.25
26	4.62	---	6.35	10.72	9.09	6.84	5.92	6.83	6.44	5.58	5.33	11.19
27	4.56	---	6.36	8.36	11.11	6.76	7.36	5.77	5.44	5.82	4.52	11.10
28	4.82	---	6.19	7.46	8.90	6.75	7.53	5.40	5.31	5.35	4.37	9.69
29	4.84	---	6.18	7.14	6.12	6.37	8.39	4.32	5.46	5.20	4.71	8.93
30	4.76	6.39	6.48	7.07	---	5.92	8.58	4.30	---	5.18	4.48	8.16
31	4.48	---	6.46	6.72	---	6.06	---	4.42	---	5.01	4.38	---
MEAN	---	---	6.30	7.24	7.88	6.67	5.88	5.95	---	---	---	7.76

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343351 LONGITUDE 0844959 NAD83 DRAINAGE AREA 831.00 CONTRIBUTING DRAINAGE AREA 831.00* DATUM 616.16 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.22	0.06	0.01
2	0.00	0.00	0.00	0.00	0.16	0.17	0.00	0.55	0.00	0.10	0.00	0.02
3	0.00	0.00	0.06	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.01	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
5	0.00	0.05	0.01	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00
6	0.00	0.11	0.00	0.00	0.83	0.39	0.00	0.00	0.00	0.69	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	2.01
8	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
9	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00
10	0.02	0.00	0.48	0.00	0.01	0.00	0.00	0.00	0.00	0.24	0.00	0.00
11	0.00	0.00	0.00	0.00	0.04	0.00	0.06	0.00	0.00	0.00	0.00	0.00
12	0.00	0.03	0.00	0.00	0.26	0.00	0.12	0.00	0.00	0.20	0.56	0.00
13	0.00	0.00	0.12	0.00	0.00	0.00	0.21	0.00	0.13	0.00	0.00	0.00
14	0.00	0.00	0.06	0.00	0.00	0.00	0.01	0.01	0.00	0.29	0.00	0.00
15	0.00	0.00	0.00	0.00	0.31	0.04	0.00	0.00	0.34	0.00	0.00	0.00
16	0.00	0.00	0.22	0.00	0.00	0.16	0.00	0.00	1.06	0.00	0.00	3.15
17	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.43	0.01	0.00	0.00	0.28
18	0.00	1.30	0.00	0.07	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
19	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	2.23	0.00
21	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.37	0.00	0.07	0.01
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.01	0.00
23	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
24	0.00	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.07	0.00	1.19	0.00
25	0.00	0.00	0.00	0.70	0.02	0.00	0.24	0.00	0.43	0.55	0.68	0.00
26	0.05	0.00	0.00	0.00	0.22	0.00	0.46	0.00	0.01	0.35	0.00	0.00
27	0.12	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.12
28	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
29	0.00	0.00	0.11	0.00	0.00	0.01	0.00	0.01	0.00	0.04	0.00	0.00
30	0.00	0.00	0.06	0.00	---	0.35	0.05	0.05	0.32	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.45	---	0.28	0.00	---
TOTAL	0.19	2.24	1.51	1.20	1.87	1.24	1.15	2.02	3.33	3.06	5.58	5.62

MOBILE RIVER BASIN
2004 Water Year

02383520 COOSAWATTEE RIVER AT PINE CHAPEL, GA

LOCATION.—Lat 34°34'35", long 84°51'37", referenced to North American Datum (NAD) of 1927, Gordon County, Hydrologic Unit 03150102, 1.6 miles downstream from Sallacoa Creek, 8.5 miles upstream from confluence with Conasauga River, located on downstream side of bridge on Pine Chapel Road, 2.4 miles east of Pine Chapel.

DRAINAGE AREA.—847 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER–STAGE RECORDS

PERIOD OF RECORD.—October 1938 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Gage records water levels above approximately 1.10 feet. Datum of gage is 616.16 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good. Station is auxiliary gage for 02383500 Coosawattee River near Pine Chapel.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.51 feet, September 18; minimum gage-height recorded, 1.15 feet, June 7.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02383520 COOSAWATTEE RIVER AT PINE CHAPEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343435 LONGITUDE 0845137 NAD27 DRAINAGE AREA 847.00* CONTRIBUTING DRAINAGE AREA DATUM 616.16 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.00	1.47	3.22	3.41	2.09	3.24	3.19	3.30	1.66	4.36	1.81	1.47
2	2.67	1.57	2.60	3.41	1.64	4.23	3.19	3.53	1.47	4.46	1.68	1.36
3	2.67	1.55	2.61	3.41	2.88	4.52	3.18	3.23	1.56	3.27	3.04	1.35
4	2.78	1.45	2.74	3.21	2.62	3.52	3.18	2.40	1.56	2.60	4.42	1.37
5	3.02	1.45	2.91	3.39	2.41	3.39	2.17	2.13	1.38	2.40	5.73	1.36
6	2.28	1.57	2.79	4.34	6.49	4.84	1.95	1.99	1.28	3.13	5.74	1.36
7	2.54	2.16	2.56	5.13	12.68	5.74	2.66	1.94	1.20	5.58	3.68	1.98
8	3.43	2.18	2.57	5.07	9.29	5.66	3.29	1.93	1.33	6.76	1.42	3.09
9	3.59	2.08	2.80	6.25	8.06	4.49	2.39	1.83	1.31	5.93	1.31	2.22
10	3.65	1.97	4.59	4.74	7.82	3.47	1.78	2.08	1.83	4.24	1.40	1.74
11	3.69	2.03	4.95	4.14	7.11	3.30	1.76	3.21	5.64	2.90	1.48	1.60
12	3.46	2.04	4.11	4.01	7.68	3.58	1.85	3.33	3.86	2.73	1.51	1.54
13	3.25	2.08	3.71	3.98	7.86	4.74	2.87	3.99	1.55	3.10	1.64	1.89
14	3.38	2.13	3.77	3.88	5.27	4.00	3.17	5.97	1.43	2.92	1.56	4.00
15	3.70	2.13	3.84	3.78	3.89	3.83	3.00	4.41	1.42	2.91	1.48	5.26
16	4.69	2.01	3.72	3.89	4.43	3.22	2.80	1.88	1.89	2.61	1.47	2.85
17	4.82	2.06	4.50	3.84	3.72	3.21	1.89	2.52	3.00	2.57	1.62	14.75
18	4.92	2.23	4.18	3.83	3.74	4.52	1.72	4.97	1.65	2.55	3.40	14.11
19	4.76	5.81	3.78	3.82	3.53	4.76	1.86	4.91	1.48	2.71	4.19	11.71
20	4.61	4.62	3.54	3.73	3.58	3.16	3.05	4.71	1.33	3.16	3.38	13.06
21	4.97	3.44	3.28	3.90	3.96	2.81	3.86	4.68	1.43	3.17	3.25	11.18
22	5.01	2.37	3.18	4.64	3.68	3.07	3.72	3.66	1.48	3.82	1.46	2.97
23	4.60	2.27	3.26	6.29	3.67	4.02	3.75	2.38	2.34	5.34	1.43	2.50
24	2.71	2.22	3.73	4.73	4.34	3.97	3.03	2.64	3.02	3.25	2.33	7.95
25	1.84	2.59	3.71	4.88	4.41	3.99	2.39	4.06	3.37	2.60	3.87	8.14
26	1.73	3.98	3.50	8.27	5.99	3.95	3.07	3.94	3.95	2.68	2.52	8.08
27	1.65	4.94	3.52	6.10	8.14	3.89	4.49	2.90	2.98	2.99	1.66	8.01
28	1.92	5.75	3.34	4.70	6.09	3.87	4.63	2.56	2.47	2.45	1.50	6.66
29	1.95	5.27	3.33	4.27	3.34	3.54	5.41	1.45	2.60	2.27	1.80	5.92
30	1.89	3.60	3.62	4.20	---	3.09	5.72	1.37	3.24	2.25	1.58	5.14
31	1.57	---	3.62	3.88	---	3.23	---	1.52	---	2.22	1.51	---
MEAN	3.25	2.70	3.47	4.42	5.19	3.90	3.03	3.08	2.16	3.35	2.42	5.15
MAX	5.01	5.81	4.95	8.27	12.68	5.74	5.72	5.97	5.64	6.76	5.74	14.75
MIN	1.57	1.45	2.56	3.21	1.64	2.81	1.72	1.37	1.20	2.22	1.31	1.35

2004 Water Year

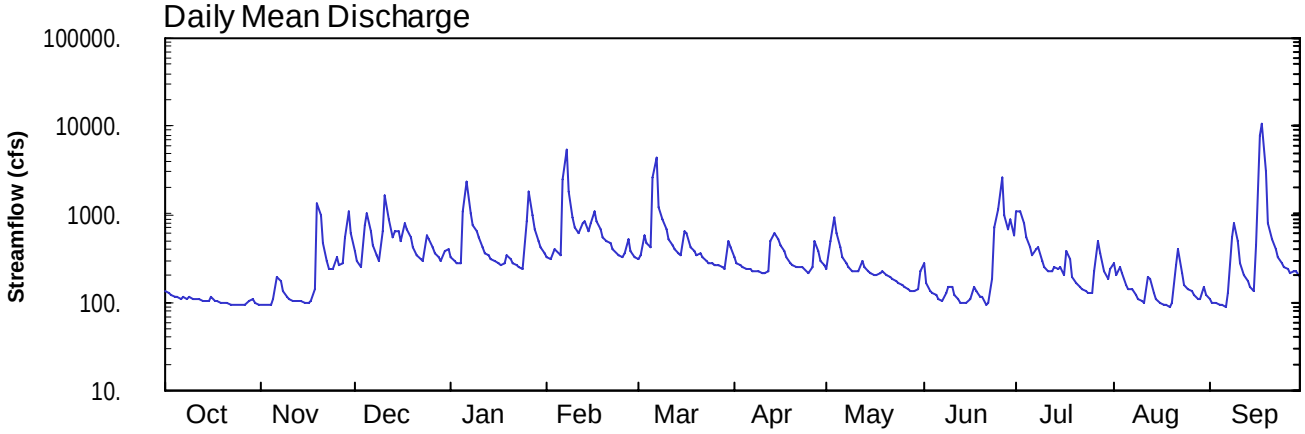
MOBILE RIVER BASIN

02384500 CONASAUGA RIVER NEAR ETON, GA

Latitude: 34°49'40" Longitude: 084°51'03" Hydrologic Unit Code: 03150101

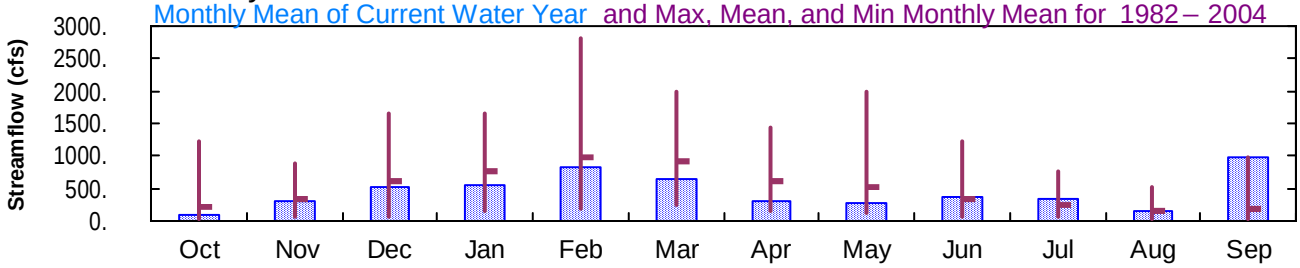
Murray County Datum: 672.64 feet Drainage Area: 252. mi²

Daily Mean Discharge

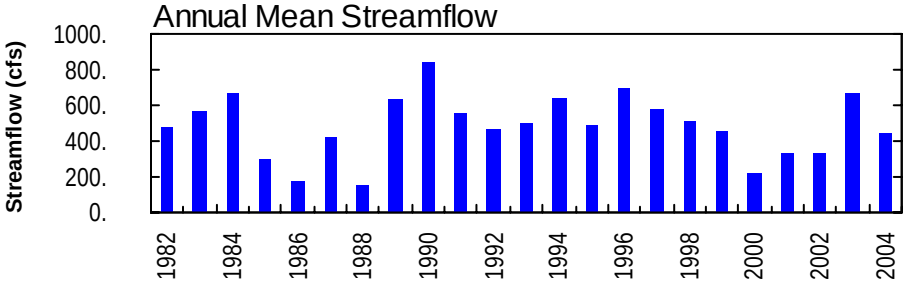


Monthly Statistics

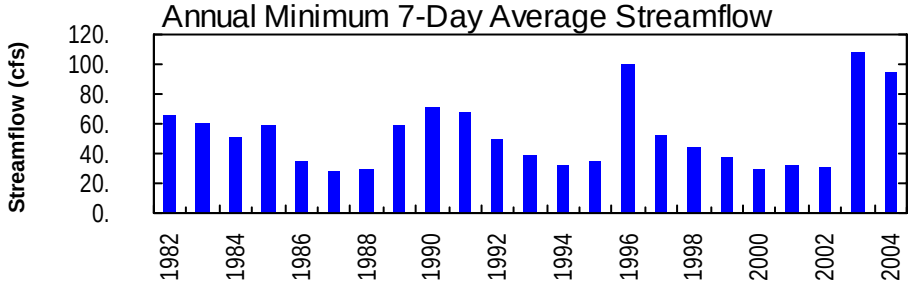
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1982 – 2004



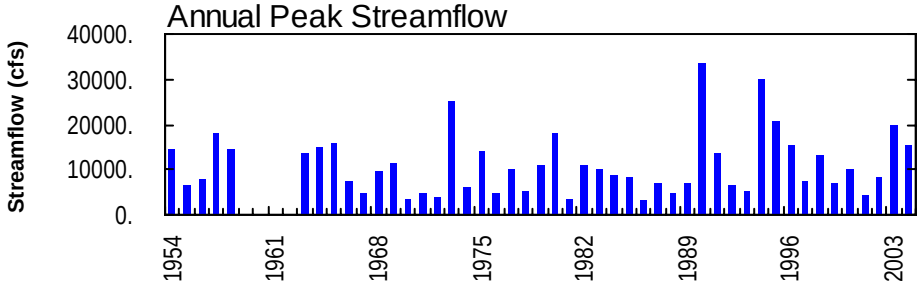
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02384500 CONASAUGA RIVER NEAR ETON, GA

LOCATION.—Lat 34°49'40", long 84°51'03", referenced to North American Datum (NAD) of 1927, Murray-Whitfield County line, Hydrologic Unit 03150101, at downstream side of right bank pier of bridge on GA 286, 3.4 miles upstream from Mill Creek, 5.2 miles west of Eton, and at mile 42.7.

DRAINAGE AREA.—252 square miles.

COOPERATION.—Dalton Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1954-58, 1963-81 (annual maximum), October 1981 to current year.

REVISED RECORDS.—WDR GA-94-1: 1973 (M), 1990 (M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 672.64 feet above National Geodetic Vertical Datum (NGVD) of 1929. From June 26, 1953, to September 30, 1958, and August 16, 1962 to September 30, 1981, a crest-stage gage was located at a site 75.0 feet downstream at datum 3.00 feet higher.

REMARKS.—Records good. Flow regulated by withdrawal and discharge from off-stream reservoir owned and operated by Dalton Utilities approximately 4.5 miles upstream of gage.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than a base discharge of 3,800 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/07	1300	6,010	13.08
03/07	0800	5,430	12.64
09/07	2245	15,600*	17.78*

02384500 CONASAUGA RIVER NEAR ETON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1954-58, 1963-81 (annual maximum), October 1981 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 672.64 feet above National Geodetic Vertical Datum (NGVD) of 1929. From June 26, 1953, to September 30, 1958, and August 16, 1962 to September 30, 1981, a crest-stage gage was located at a site 75.0 feet downstream at datum 3.00 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.78 feet, September 17; minimum gage-height recorded, 2.68 feet, August 20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 30, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384500 CONASAUGA RIVER NEAR ETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344940 LONGITUDE 0845103 NAD27 DRAINAGE AREA 252 CONTRIBUTING DRAINAGE AREA 252* DATUM 672.64 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	93	381	323	328	317	324	244	275	1100	275	109
2	127	94	295	300	312	346	286	485	164	1060	202	99
3	120	93	251	285	407	584	269	939	136	809	252	97
4	116	92	736	274	383	475	258	606	126	538	216	94
5	113	109	1040	1070	351	425	242	414	120	426	158	92
6	112	192	649	2410	2440	2620	233	330	111	344	141	87
7	113	174	436	1050	5460	4420	229	281	105	400	140	126
8	111	135	344	739	1830	1180	227	249	131	428	119	538
9	115	116	299	639	934	873	222	227	148	302	110	806
10	112	108	631	538	730	675	212	225	150	252	106	497
11	110	104	1620	414	601	520	213	225	124	224	101	278
12	109	103	864	364	810	450	224	295	107	225	194	210
13	105	104	541	335	822	394	498	253	99	250	181	171
14	104	104	633	313	651	358	624	223	96	234	130	147
15	103	99	641	299	793	344	529	214	100	250	108	132
16	114	98	493	282	1070	639	451	201	110	200	99	439
17	104	104	778	265	843	604	378	204	153	372	95	7880
18	101	139	687	278	673	434	319	220	138	318	92	10700
19	101	1360	541	344	555	384	285	225	113	196	88	2990
20	100	993	424	303	495	341	265	209	117	165	98	801
21	98	475	348	280	464	360	256	195	95	149	260	526
22	96	301	312	265	400	328	256	185	98	141	396	398
23	94	240	300	252	358	300	251	174	186	133	218	327
24	93	245	594	241	342	285	223	168	706	127	161	285
25	92	334	511	815	331	274	212	161	1150	126	145	257
26	92	272	423	1810	367	264	257	152	2670	229	138	235
27	94	279	356	986	531	259	488	144	968	506	123	220
28	105	553	321	670	382	246	378	137	693	362	111	229
29	109	1100	296	491	334	239	299	135	882	224	110	230
30	99	607	377	422	---	489	262	143	571	183	149	197
31	95	---	393	372	---	434	---	222	---	241	124	---
TOTAL	3291	8820	16515	17429	23997	19861	9170	8085	10642	10514	4840	29197
MEAN	106	294	533	562	827	641	306	261	355	339	156	973
MAX	134	1360	1620	2410	5460	4420	624	939	2670	1100	396	10700
MIN	92	92	251	241	312	239	212	135	95	126	88	87
CFSM	0.42	1.17	2.11	2.23	3.28	2.54	1.21	1.03	1.41	1.35	0.62	3.86
IN.	0.49	1.30	2.44	2.57	3.54	2.93	1.35	1.19	1.57	1.55	0.71	4.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	207	351	602	780	965	910	600	505	331	245	161	188
MAX	1239	877	1643	1653	2803	1977	1438	2004	1222	777	523	973
(WY)	1990	1990	1983	1996	1990	1994	1998	2003	1989	2003	1994	2004
MIN	35.6	56.7	68.8	153	175	244	146	108	46.6	51.3	40.9	40.2
(WY)	2001	1988	2000	1986	2000	1988	1986	1986	1988	1988	2000	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	218735		162361			
ANNUAL MEAN	599		444		485	
HIGHEST ANNUAL MEAN					848	1990
LOWEST ANNUAL MEAN					158	1988
HIGHEST DAILY MEAN	13900	May 7	10700	Sep 18	23000	Mar 28 1994
LOWEST DAILY MEAN	91	Sep 21	87	Sep 6	24	Jul 11 1988
ANNUAL SEVEN-DAY MINIMUM	94	Oct 21	94	Oct 21	29	Aug 30 1987
MAXIMUM PEAK FLOW			15600	Sep 17	30000	Mar 28 1994
MAXIMUM PEAK STAGE			17.78	Sep 17	20.52	Mar 28 1994
INSTANTANEOUS LOW FLOW			83	Aug 20	23	Jul 11 1988
ANNUAL RUNOFF (CFSM)	2.38		1.76		1.92	
ANNUAL RUNOFF (INCHES)	32.29		23.97		26.14	
10 PERCENT EXCEEDS	1040		802		965	
50 PERCENT EXCEEDS	329		263		242	
90 PERCENT EXCEEDS	108		104		64	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384500 CONASAUGA RIVER NEAR ETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344940 LONGITUDE 0845103 NAD27 DRAINAGE AREA 252 CONTRIBUTING DRAINAGE AREA 252* DATUM 672.64 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.04	2.80	4.07	3.88	3.90	3.90	3.93	3.56	3.70	6.08	3.69	2.86
2	3.00	2.80	3.76	3.79	3.84	4.00	3.76	4.31	3.15	5.92	3.34	2.80
3	2.96	2.80	3.58	3.73	4.15	4.71	3.68	5.54	3.00	5.21	3.58	2.79
4	2.94	2.80	5.02	3.68	4.08	4.42	3.63	4.75	2.95	4.59	3.41	2.77
5	2.92	2.89	5.79	5.90	3.98	4.28	3.55	4.24	2.92	4.28	3.12	2.76
6	2.91	3.30	4.74	9.07	8.33	8.90	3.50	3.95	2.87	4.01	3.03	2.72
7	2.92	3.22	4.23	5.82	12.64	11.56	3.48	3.73	2.83	4.19	3.03	2.94
8	2.91	3.04	3.96	4.93	7.65	6.34	3.47	3.58	2.97	4.27	2.91	4.43
9	2.93	2.94	3.79	4.72	5.49	5.35	3.44	3.47	3.07	3.83	2.87	5.19
10	2.91	2.89	4.70	4.49	5.02	4.91	3.39	3.46	3.08	3.60	2.84	4.45
11	2.90	2.87	7.59	4.17	4.75	4.55	3.40	3.46	2.94	3.45	2.81	3.72
12	2.90	2.86	5.26	4.03	5.23	4.35	3.45	3.79	2.85	3.46	3.29	3.38
13	2.88	2.87	4.49	3.93	5.23	4.18	4.39	3.60	2.80	3.59	3.23	3.18
14	2.87	2.87	4.70	3.84	4.86	4.06	4.80	3.45	2.78	3.50	2.97	3.07
15	2.87	2.84	4.72	3.78	5.24	4.01	4.57	3.40	2.80	3.58	2.85	2.98
16	2.92	2.83	4.38	3.72	5.97	4.78	4.35	3.33	2.87	3.33	2.80	3.88
17	2.87	2.87	5.03	3.64	5.27	4.74	4.13	3.35	3.09	3.84	2.77	13.83
18	2.85	3.04	4.82	3.69	4.91	4.30	3.90	3.43	3.01	3.81	2.75	15.73
19	2.85	6.88	4.50	3.95	4.64	4.15	3.75	3.46	2.88	3.30	2.72	9.27
20	2.84	5.69	4.20	3.80	4.48	4.00	3.66	3.37	2.90	3.15	2.77	5.18
21	2.83	4.32	3.97	3.71	4.39	4.06	3.62	3.30	2.77	3.07	3.57	4.56
22	2.82	3.79	3.84	3.64	4.20	3.94	3.62	3.25	2.79	3.03	4.16	4.23
23	2.81	3.53	3.79	3.58	4.06	3.82	3.59	3.20	3.26	2.99	3.42	4.00
24	2.80	3.55	4.61	3.53	4.00	3.75	3.45	3.17	4.98	2.96	3.13	3.83
25	2.80	3.92	4.43	5.23	3.95	3.70	3.39	3.13	6.26	2.96	3.05	3.70
26	2.79	3.67	4.20	7.99	4.08	3.66	3.60	3.09	9.54	3.47	3.02	3.61
27	2.81	3.70	4.00	5.60	4.57	3.63	4.46	3.05	5.69	4.38	2.94	3.54
28	2.88	4.50	3.87	4.78	4.14	3.57	4.13	3.01	4.95	4.03	2.87	3.57
29	2.90	6.00	3.77	4.38	3.97	3.53	3.81	3.00	5.41	3.45	2.86	3.58
30	2.84	4.64	4.05	4.19	---	4.36	3.64	3.04	4.67	3.24	3.07	3.42
31	2.81	---	4.11	4.05	---	4.29	---	3.44	---	3.47	2.94	---
MEAN	2.88	3.56	4.45	4.49	5.07	4.64	3.78	3.55	3.66	3.81	3.09	4.53
MAX	3.04	6.88	7.59	9.07	12.64	11.56	4.80	5.54	9.54	6.08	4.16	15.73
MIN	2.79	2.80	3.58	3.53	3.84	3.53	3.39	3.00	2.77	2.96	2.72	2.72

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384500 CONASAUGA RIVER NEAR ETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344940 LONGITUDE 0845103 NAD27 DRAINAGE AREA 252 CONTRIBUTING DRAINAGE AREA 252* DATUM 672.64 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.23	0.00	0.00
2	0.00	0.00	0.00	0.00	0.32	0.39	0.00	1.22	0.00	0.02	0.00	0.00
3	0.00	0.00	0.22	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
5	0.00	1.14	0.02	1.46	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00
6	0.00	0.14	0.00	0.00	2.13	1.44	0.00	0.00	0.00	0.80	0.00	0.00
7	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.00	1.45
8	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.03
9	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.17	0.00	1.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.03	0.00	0.21	0.68	0.00	0.00	0.14	0.00
12	0.00	0.03	0.01	0.00	0.47	0.00	0.22	0.01	0.00	1.04	0.50	0.00
13	0.00	0.00	0.10	0.00	0.01	0.00	0.71	0.01	0.00	0.00	0.00	0.00
14	0.17	0.00	0.25	0.00	0.00	0.01	0.05	0.00	0.01	0.13	0.00	0.00
15	0.00	0.00	0.01	0.00	0.79	0.28	0.00	0.00	0.87	0.00	0.00	0.00
16	0.00	0.04	0.40	0.00	0.00	0.25	0.00	0.00	0.03	0.00	0.00	4.71
17	0.01	0.00	0.10	0.03	0.00	0.00	0.00	0.03	0.08	1.33	0.00	0.83
18	0.00	2.17	0.01	0.12	0.00	0.00	0.00	0.18	0.61	0.10	0.00	0.00
19	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	1.22	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.02	0.00	0.32	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.37	0.00	0.00	0.00
23	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00
24	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.05	0.00
25	0.00	0.00	0.00	1.85	0.05	0.00	0.03	0.00	1.47	1.25	0.01	0.00
26	0.00	0.00	0.00	0.00	0.49	0.00	0.46	0.00	0.00	1.07	0.00	0.00
27	0.05	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.10
28	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.04	0.17	0.00	0.00	0.00
29	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
30	0.00	0.00	0.15	0.00	---	0.99	0.01	0.40	0.23	0.00	0.67	0.00
31	0.00	---	0.00	0.00	---	0.19	---	1.16	---	0.16	0.00	---
TOTAL	0.40	5.13	3.98	3.70	4.32	3.61	2.17	3.75	5.63	6.19	2.96	7.12

2004 Water Year

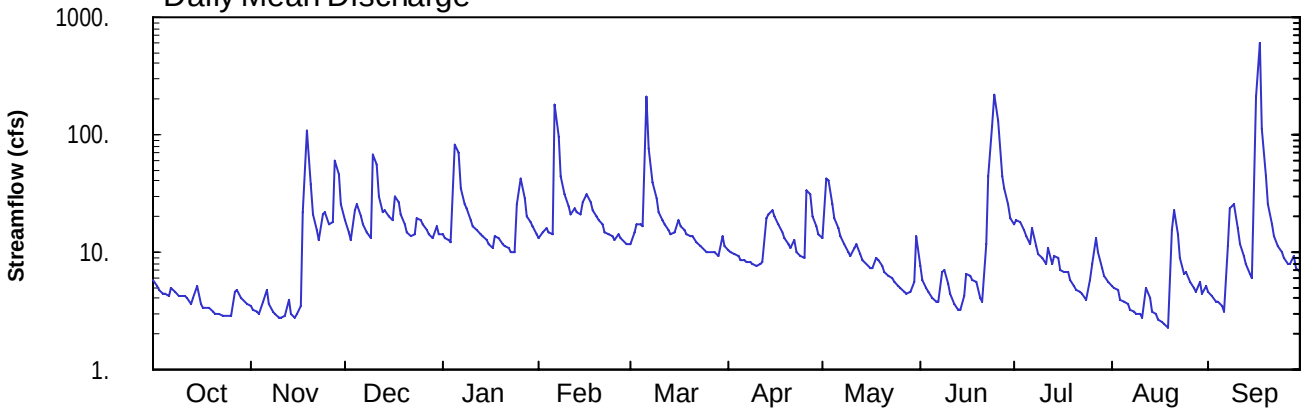
MOBILE RIVER BASIN

02384540 MILL CREEK NEAR CRANDALL, GA

Latitude: 34°52'19" Longitude: 084°43'17" Hydrologic Unit Code: 03150101

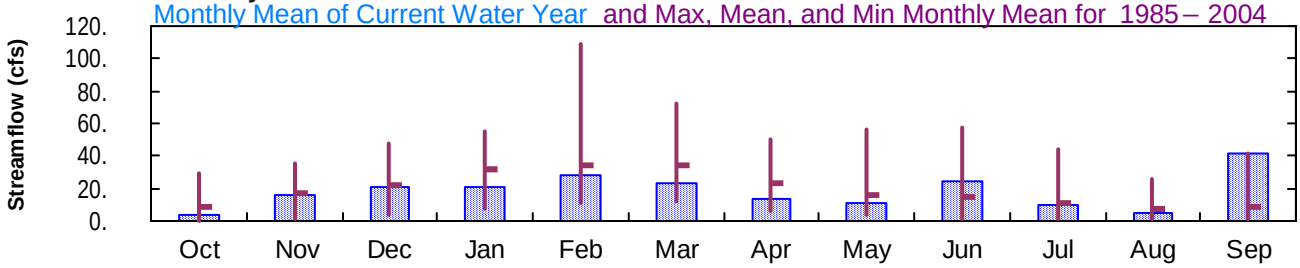
Murray County Datum: 888.98 feet Drainage Area: 8.27 mi²

Daily Mean Discharge

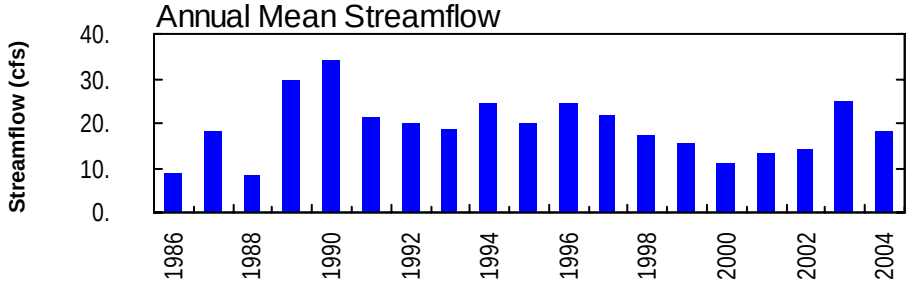


Monthly Statistics

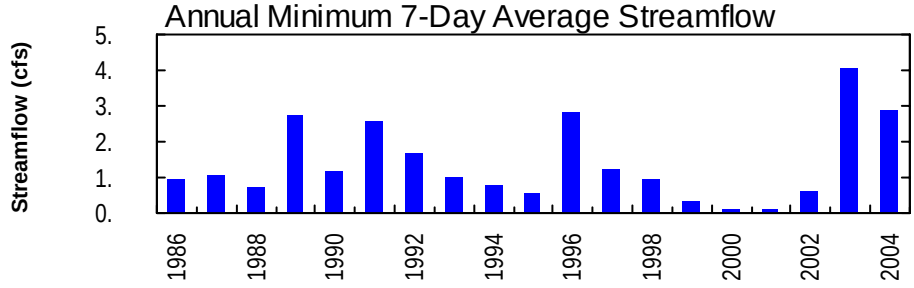
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1985 – 2004

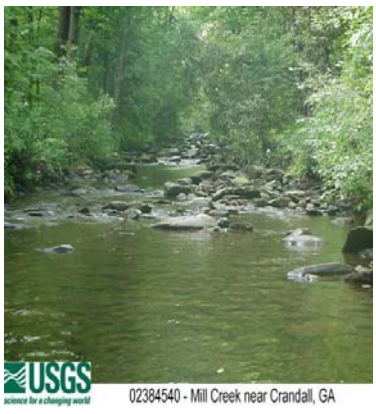


Annual Mean Streamflow

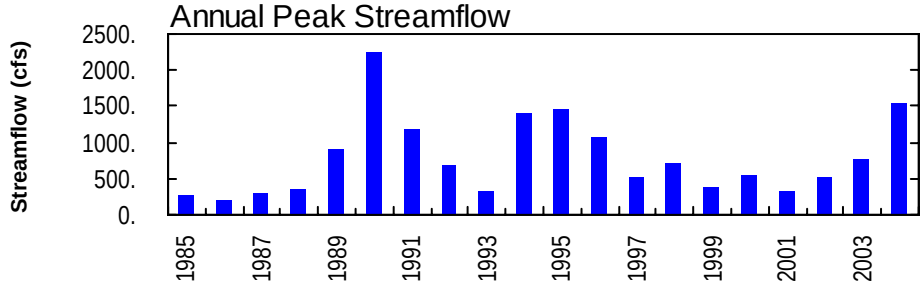


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02384540 MILL CREEK NEAR CRANDALL, GA

LOCATION.—Lat 34°52'19", long 84°43'17", referenced to North American Datum (NAD) of 1927, Murray County, Hydrologic Unit 03150101, on right bank 100.0 feet south of Forest Service Road 630, 1.3 miles upstream from Cohorn Creek, and 1.4 miles northeast of Crandall.

DRAINAGE AREA.—8.27 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1985 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 888.98 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for those periods of estimated daily discharges, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 300 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/06	1315	365	3.67
03/06	0715	430	3.87
06/25	1430	552	4.20
09/16	2230	1,550*	6.16*

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1985 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 888.98 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Peak stage is from a high-water mark.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.16 feet, September 16; minimum gage-height recorded, 1.15 feet, August 20.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384540 MILL CREEK NEAR CRANDALL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 345219 LONGITUDE 0844317 NAD27 DRAINAGE AREA 8.27 CONTRIBUTING DRAINAGE AREA 8.27* DATUM 888.98 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	3.5	18	14	13	12	10	13	7.6	17	5.1	4.5
2	5.2	3.2	15	13	15	15	9.9	42	5.9	19	5.0	4.3
3	4.7	3.1	13	13	16	17	9.7	41	5.0	18	4.7	3.8
4	4.4	3.0	23	12	15	17	9.2	25	4.6	16	4.0	3.7
5	4.3	3.8	26	82	14	16	8.7	19	4.1	13	3.8	3.5
6	4.2	4.9	20	71	178	209	8.5	16	3.8	12	3.7	3.1
7	4.9	3.6	17	35	97	75	8.4	13	3.7	16	3.2	11
8	4.6	3.1	15	26	45	39	8.3	12	6.7	11	3.1	23
9	4.2	2.9	13	23	31	28	7.9	10	7.1	9.6	3.0	25
10	4.2	2.8	68	19	25	22	7.7	9.2	5.4	8.8	2.9	16
11	4.2	2.8	56	17	21	19	8.0	11	4.4	8.0	2.8	12
12	4.0	2.8	30	15	24	17	8.2	12	3.7	11	5.0	9.4
13	3.7	3.9	22	14	22	15	20	9.5	3.3	8.0	4.1	7.8
14	4.1	3.0	22	13	21	14	21	8.6	3.2	9.4	3.2	6.6
15	5.1	2.8	20	13	27	15	22	7.9	4.2	9.0	2.9	6.0
16	3.7	3.0	19	12	31	19	20	7.4	6.5	6.9	2.7	213
17	3.4	3.5	30	11	27	16	17	7.4	6.2	6.8	2.6	614
18	3.4	22	27	13	23	16	15	8.8	5.9	6.7	2.4	112
19	3.3	106	21	13	20	14	13	8.7	5.5	5.9	2.3	44
20	3.1	37	17	12	19	14	12	7.5	4.1	5.2	15	25
21	3.0	21	15	11	17	13	11	6.7	3.7	4.8	23	17
22	3.0	15	14	11	15	12	12	6.3	12	4.6	14	14
23	2.9	13	14	10	14	11	10	6.0	43	4.4	8.7	11
24	2.9	21	20	9.9	14	11	9.2	5.5	116	4.0	6.6	9.9
25	2.9	22	19	26	13	10	8.8	5.2	216	5.9	6.7	8.9
26	2.9	17	17	43	14	9.9	33	4.9	131	7.9	5.6	8.0
27	e4.5	18	15	28	13	9.9	31	4.6	43	13	4.9	7.8
28	e4.8	60	14	20	12	9.8	20	4.4	34	9.9	4.5	9.3
29	e4.0	46	13	18	12	9.4	16	4.6	25	7.4	5.5	7.4
30	e3.8	25	17	16	---	14	14	5.5	20	6.3	4.5	6.7
31	e3.6	---	14	14	---	11	---	14	---	5.6	5.2	---
TOTAL	122.8	478.7	664	647.9	808	730.0	409.5	356.7	744.6	291.1	170.7	1247.7
MEAN	3.96	16.0	21.4	20.9	27.9	23.5	13.7	11.5	24.8	9.39	5.51	41.6
MAX	5.8	106	68	82	178	209	33	42	216	19	23	614
MIN	2.9	2.8	13	9.9	12	9.4	7.7	4.4	3.2	4.0	2.3	3.1
CFSM	0.48	1.93	2.59	2.53	3.37	2.85	1.65	1.39	3.00	1.14	0.67	5.03
IN.	0.55	2.15	2.99	2.91	3.63	3.28	1.84	1.60	3.35	1.31	0.77	5.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	8.04	17.2	22.5	31.6	34.2	34.1	23.2	16.2	14.4	11.4	6.91	9.07
MAX	30.0	35.9	48.3	55.5	108	71.6	50.8	55.7	57.3	43.6	25.9	41.6
(WY)	1990	1990	1992	1996	1990	1990	1994	2003	1989	1990	1994	2004
MIN	0.34	1.52	3.95	7.30	11.0	12.5	5.91	3.48	1.49	1.75	0.67	0.95
(WY)	2001	1988	1988	1986	2000	1988	1986	1986	1988	1986	2000	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	8177.9		6671.7			
ANNUAL MEAN	22.4		18.2		19.2	
HIGHEST ANNUAL MEAN					34.3	1990
LOWEST ANNUAL MEAN					8.37	1988
HIGHEST DAILY MEAN	388	May 7	614	Sep 17	970	Feb 16 1990
LOWEST DAILY MEAN	2.8	Sep 21	2.3	Aug 19	0.07	Sep 18 2000
ANNUAL SEVEN-DAY MINIMUM	3.0	Oct 20	2.9	Aug 13	0.10	Sep 14 2000
MAXIMUM PEAK FLOW			1550	Sep 16	2240	Feb 16 1990
MAXIMUM PEAK STAGE			a 6.16	Sep 16	6.96	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.71		2.20		2.32	
ANNUAL RUNOFF (INCHES)	36.79		30.01		31.53	
10 PERCENT EXCEEDS	40		27		41	
50 PERCENT EXCEEDS	14		11		10	
90 PERCENT EXCEEDS	3.8		3.5		1.8	

e Estimated
a From high water mark

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384540 MILL CREEK NEAR CRANDALL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 345219 LONGITUDE 0844317 NAD27 DRAINAGE AREA 8.27 CONTRIBUTING DRAINAGE AREA 8.27* DATUM 888.98 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.35	1.26	1.69	1.58	1.56	1.52	1.49	1.56	1.40	1.66	1.31	1.28
2	1.33	1.24	1.60	1.56	1.59	1.60	1.47	1.98	1.34	1.69	1.30	1.27
3	1.31	1.24	1.55	1.55	1.64	1.66	1.46	2.03	1.30	1.67	1.29	1.25
4	1.30	1.23	1.76	1.53	1.60	1.66	1.45	1.81	1.29	1.62	1.26	1.25
5	1.30	1.27	1.83	2.25	1.59	1.64	1.44	1.71	1.27	1.57	1.25	1.24
6	1.29	1.32	1.73	2.30	2.76	2.96	1.43	1.63	1.25	1.53	1.25	1.22
7	1.31	1.26	1.66	1.95	2.49	2.34	1.43	1.57	1.25	1.62	1.22	1.48
8	1.31	1.24	1.61	1.82	2.08	2.01	1.43	1.52	1.35	1.51	1.21	1.78
9	1.29	1.23	1.56	1.78	1.90	1.87	1.41	1.48	1.38	1.47	1.21	1.81
10	1.29	1.22	2.17	1.70	1.81	1.76	1.41	1.45	1.32	1.44	1.21	1.63
11	1.29	1.22	2.18	1.65	1.74	1.70	1.42	1.49	1.28	1.41	1.20	1.53
12	1.28	1.22	1.88	1.61	1.79	1.66	1.42	1.52	1.25	1.49	1.30	1.46
13	1.27	1.28	1.76	1.59	1.76	1.62	1.71	1.46	1.23	1.42	1.27	1.41
14	1.28	1.23	1.77	1.56	1.75	1.59	1.74	1.43	1.22	1.46	1.22	1.37
15	1.32	1.22	1.73	1.55	1.84	1.60	1.77	1.41	1.26	1.45	1.21	1.34
16	1.27	1.23	1.70	1.52	1.90	1.69	1.73	1.40	1.36	1.38	1.19	2.17
17	1.25	1.26	1.89	1.51	1.85	1.64	1.66	1.40	1.35	1.38	1.19	4.26
18	1.25	1.49	1.84	1.57	1.77	1.62	1.60	1.44	1.34	1.37	1.18	2.59
19	1.25	2.53	1.75	1.55	1.72	1.59	1.56	1.44	1.33	1.34	1.17	2.07
20	1.24	1.98	1.66	1.52	1.69	1.57	1.53	1.40	1.27	1.31	1.40	1.84
21	1.23	1.73	1.60	1.51	1.66	1.57	1.50	1.37	1.25	1.30	1.76	1.71
22	1.23	1.62	1.57	1.50	1.61	1.53	1.54	1.36	1.48	1.29	1.58	1.63
23	1.22	1.54	1.58	1.49	1.58	1.52	1.48	1.34	1.93	1.28	1.44	1.57
24	1.22	1.72	1.72	1.48	1.57	1.50	1.45	1.32	2.59	1.26	1.37	1.54
25	1.23	1.76	1.69	1.78	1.55	1.49	1.44	1.31	2.93	1.32	1.37	1.51
26	1.23	1.65	1.65	2.06	1.59	1.48	1.92	1.30	2.68	1.41	1.33	1.49
27	---	1.68	1.62	1.86	1.56	1.48	1.91	1.29	2.06	1.56	1.30	1.48
28	---	2.17	1.58	1.73	1.54	1.47	1.73	1.28	1.95	1.47	1.28	1.52
29	---	2.08	1.55	1.67	1.53	1.46	1.64	1.29	1.82	1.40	1.32	1.47
30	---	1.82	1.65	1.64	---	1.57	1.59	1.32	1.72	1.36	1.28	1.45
31	---	---	1.60	1.60	---	1.51	---	1.56	---	1.33	1.31	---
MEAN	---	1.50	1.71	1.68	1.76	1.67	1.56	1.48	1.55	1.44	1.30	1.65
MAX	---	2.53	2.18	2.30	2.76	2.96	1.92	2.03	2.93	1.69	1.76	4.26
MIN	---	1.22	1.55	1.48	1.53	1.46	1.41	1.28	1.22	1.26	1.17	1.22

MOBILE RIVER BASIN
2004 Water Year

02384600 PINHOOK CREEK NEAR ETON, GA
(published previous to 1986 as Mill Creek Tributary near Eton, GA)

LOCATION.—Lat 34°49'38", long 84°48'58", referenced to North American Datum (NAD) of 1927, Murray County, Hydrologic Unit 03150101, at culvert on GA 286, 3.0 miles west of Eton.

DRAINAGE AREA.—4.28 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1964 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 706.25 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.08 feet, August 1, 2003
DISCHARGE: 1,440 cfs, August 1, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.09 feet, September 17
DISCHARGE: 519 cfs, September 17

2004 Water Year

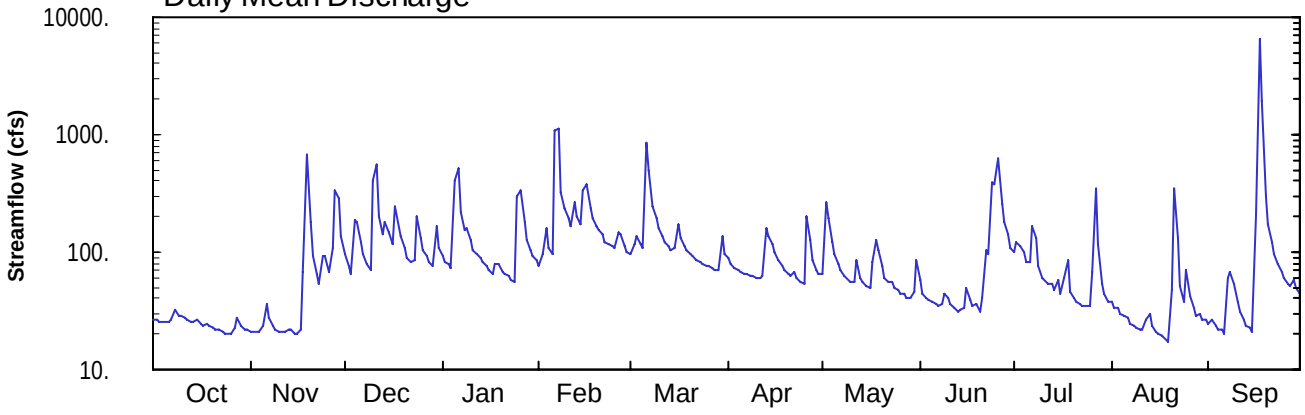
MOBILE RIVER BASIN

02385800 HOLLY CREEK NEAR CHATSWORTH, GA

Latitude: 34°43'00" Longitude: 084°46'12" Hydrologic Unit Code: 03150101

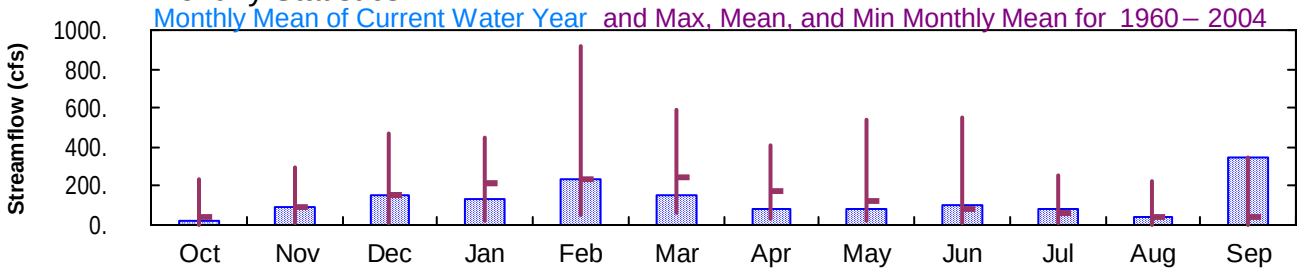
Murray County Datum: 689.25 feet Drainage Area: 64. mi²

Daily Mean Discharge

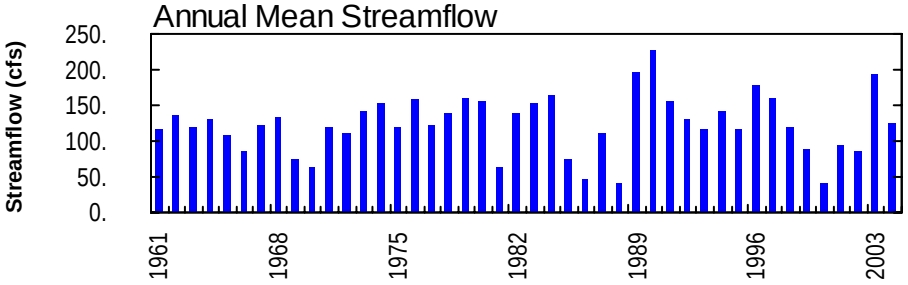


Monthly Statistics

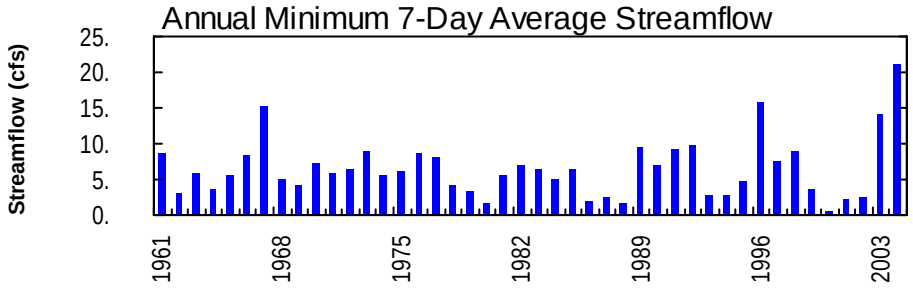
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1960 – 2004



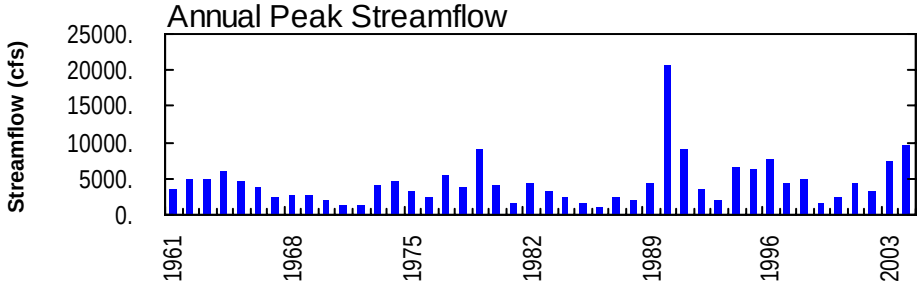
Annual Mean Streamflow

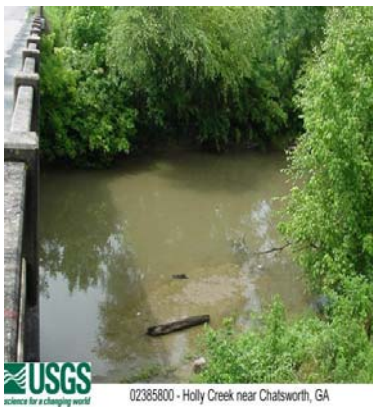


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





MOBILE RIVER BASIN
2004 Water Year

02385800 HOLLY CREEK NEAR CHATSWORTH, GA

LOCATION.—Lat 34°43'00", long 84°46'12", referenced to North American Datum (NAD) of 1983, Murray County, Hydrologic Unit 03150101, on right bank 100.0 feet upstream from bridge on Smyrna-Ramhurst Road, 3.0 miles upstream from Rock Creek, and 3.3 miles south of Chatsworth.

DRAINAGE AREA.—64.0 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1960 to current year.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 689.25 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records fair. Low flow affected by withdrawals and return flow by the City of Chatsworth.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/06	2245	2,120	9.19
09/17	0930	9.680*	12.23*

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1960 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 689.25 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.23 feet, September 17; minimum gage-height recorded, 1.08 feet, August 20.

02385800 HOLLY CREEK NEAR CHATSWORTH, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 29, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02385800 HOLLY CREEK NEAR CHATSWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344300 LONGITUDE 0844612 NAD83 DRAINAGE AREA 64.00 CONTRIBUTING DRAINAGE AREA 64.00* DATUM 689.25 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	21	97	92	76	96	87	65	57	99	37	24
2	26	21	76	83	95	117	78	262	45	120	34	26
3	25	21	65	78	157	139	74	197	41	111	33	24
4	25	21	185	73	109	116	71	122	40	98	30	22
5	25	23	181	408	96	108	67	94	38	83	28	22
6	26	36	120	511	1100	850	66	79	36	81	27	20
7	27	27	95	217	1110	498	65	69	35	166	25	60
8	33	23	80	156	325	249	64	62	36	133	23	67
9	28	22	71	161	234	192	62	57	44	76	22	53
10	29	21	402	127	194	160	59	57	41	61	22	37
11	28	21	562	105	168	136	60	56	36	55	22	30
12	27	21	206	95	262	124	62	85	33	54	27	26
13	25	22	142	88	205	113	160	60	31	53	30	24
14	25	21	180	81	175	104	137	55	32	47	24	23
15	27	20	145	77	338	106	119	52	33	59	21	21
16	25	20	118	71	381	173	100	50	50	44	20	212
17	24	22	247	66	239	132	86	81	39	60	20	6620
18	24	67	167	80	193	113	76	125	35	84	19	1970
19	23	668	134	80	169	104	70	104	36	46	17	294
20	22	e180	108	68	153	96	66	75	31	41	48	171
21	22	91	91	65	140	92	64	61	40	38	345	120
22	22	65	82	62	123	86	66	55	105	36	134	95
23	21	53	85	59	115	83	60	55	97	35	51	79
24	20	94	200	57	110	79	56	50	399	34	38	68
25	20	93	129	293	106	77	54	47	381	35	71	60
26	20	68	105	331	147	75	202	45	634	68	43	54
27	23	107	92	176	140	73	126	43	256	349	34	51
28	27	341	83	125	110	71	85	41	178	117	29	58
29	23	284	76	103	100	69	71	41	142	54	30	49
30	22	137	163	94	---	135	65	46	108	45	27	44
31	21	---	110	84	---	96	---	84	---	38	27	---
TOTAL	762	2631	4597	4166	6870	4662	2478	2375	3109	2420	1358	10424
MEAN	24.6	87.7	148	134	237	150	82.6	76.6	104	78.1	43.8	347
MAX	33	668	562	511	1110	850	202	262	634	349	345	6620
MIN	20	20	65	57	76	69	54	41	31	34	17	20
CFSM	0.38	1.37	2.32	2.10	3.70	2.35	1.29	1.20	1.62	1.22	0.68	5.43
IN.	0.44	1.53	2.67	2.42	3.99	2.71	1.44	1.38	1.81	1.41	0.79	6.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2004, BY WATER YEAR (WY)

MEAN	45.2	88.6	148	212	235	247	176	122	78.5	58.4	38.4	40.8
MAX	234	292	469	450	919	590	406	544	549	260	224	347
(WY)	1990	1978	1983	1974	1990	1980	1998	2003	1989	2003	1967	2004
MIN	2.57	7.93	11.8	16.6	51.6	64.6	33.0	16.8	5.75	6.15	4.68	5.05
(WY)	2001	1979	2000	1981	2000	1988	1986	1986	1988	1969	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1960 - 2004	
ANNUAL TOTAL	67256		45852			
ANNUAL MEAN	184		125		124	
HIGHEST ANNUAL MEAN					226	1990
LOWEST ANNUAL MEAN					41.9	1988
HIGHEST DAILY MEAN	3920	May 22	6620	Sep 17	9890	Feb 16 1990
LOWEST DAILY MEAN	20	Oct 24	17	Aug 19	0.40	Sep 19 2000
ANNUAL SEVEN-DAY MINIMUM	21	Nov 10	21	Nov 10	0.69	Sep 14 2000
MAXIMUM PEAK FLOW			9680	Sep 17	20600	Feb 16 1990
MAXIMUM PEAK STAGE			12.23	Sep 17	14.87	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.88		1.96		1.93	
ANNUAL RUNOFF (INCHES)	39.09		26.65		26.27	
10 PERCENT EXCEEDS	336		201		253	
50 PERCENT EXCEEDS	93		68		55	
90 PERCENT EXCEEDS	25		23		9.9	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02385800 HOLLY CREEK NEAR CHATSWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344300 LONGITUDE 0844612 NAD83 DRAINAGE AREA 64.00 CONTRIBUTING DRAINAGE AREA 64.00* DATUM 689.25 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.43	1.30	2.60	2.53	2.31	2.34	2.23	1.91	1.78	2.39	1.55	1.28
2	1.42	1.30	2.32	2.40	2.53	2.59	2.11	3.91	1.55	2.64	1.48	1.32
3	1.39	1.30	2.15	2.34	3.27	2.86	2.05	3.45	1.49	2.53	1.46	1.27
4	1.40	1.29	3.47	2.27	2.75	2.59	1.99	2.66	1.46	2.38	1.39	1.23
5	1.40	1.36	3.51	4.87	2.59	2.49	1.94	2.32	1.41	2.18	1.36	1.22
6	1.40	1.62	2.88	6.00	6.68	6.65	1.92	2.12	1.38	2.13	1.34	1.18
7	1.43	1.44	2.57	3.84	7.78	5.87	1.91	1.97	1.36	3.13	1.29	1.86
8	1.55	1.36	2.37	3.28	4.68	3.94	1.89	1.87	1.38	2.77	1.25	2.07
9	1.46	1.32	2.23	3.32	3.80	3.40	1.86	1.79	1.54	2.07	1.23	1.84
10	1.47	1.30	4.85	2.97	3.42	3.08	1.82	1.78	1.48	1.84	1.22	1.54
11	1.46	1.30	6.21	2.70	3.17	2.83	1.83	1.76	1.38	1.74	1.22	1.41
12	1.43	1.31	3.74	2.58	4.07	2.69	1.86	2.19	1.32	1.73	1.33	1.32
13	1.40	1.32	3.13	2.47	3.52	2.56	3.04	1.83	1.29	1.71	1.40	1.27
14	1.40	1.31	3.50	2.39	3.23	2.45	2.84	1.75	1.29	1.60	1.27	1.24
15	1.43	1.29	3.16	2.33	4.61	2.47	2.63	1.70	1.33	1.80	1.21	1.21
16	1.38	1.29	2.86	2.23	5.11	3.20	2.40	1.66	1.66	1.55	1.18	2.55
17	1.36	1.32	4.12	2.17	3.85	2.77	2.20	2.03	1.45	1.75	1.18	11.06
18	1.37	1.88	3.38	2.37	3.41	2.55	2.07	2.68	1.36	2.16	1.16	8.53
19	1.35	6.82	3.05	2.36	3.17	2.45	1.99	2.44	1.39	1.58	1.13	4.51
20	1.34	---	2.74	2.19	3.01	2.34	1.93	2.05	1.27	1.47	1.51	3.39
21	1.32	2.52	2.51	2.14	2.87	2.29	1.89	1.84	1.41	1.41	4.88	2.87
22	1.32	2.14	2.40	2.10	2.68	2.21	1.93	1.75	2.44	1.38	2.88	2.59
23	1.30	1.95	2.42	2.05	2.58	2.17	1.82	1.75	2.29	1.36	1.81	2.40
24	1.29	2.50	3.68	2.02	2.53	2.12	1.77	1.65	5.26	1.35	1.57	2.26
25	1.29	2.54	2.98	4.23	2.48	2.08	1.74	1.60	4.90	1.36	2.14	2.15
26	1.28	2.20	2.70	4.83	2.93	2.05	3.45	1.56	6.40	1.88	1.66	2.07
27	1.35	2.64	2.53	3.47	2.86	2.03	2.69	1.53	4.02	4.81	1.47	2.03
28	1.44	4.87	2.41	2.94	2.53	2.00	2.19	1.49	3.26	2.67	1.38	2.15
29	1.35	4.44	2.31	2.68	2.40	1.97	2.00	1.49	2.89	1.87	1.40	1.99
30	1.33	3.07	3.31	2.56	---	2.78	1.90	1.58	2.50	1.70	1.33	1.89
31	1.31	---	2.76	2.42	---	2.35	---	2.15	---	1.57	1.33	---
MEAN	1.38	---	3.06	2.87	3.48	2.78	2.13	2.01	2.13	2.02	1.55	2.46
MAX	1.55	---	6.21	6.00	7.78	6.65	3.45	3.91	6.40	4.81	4.88	11.06
MIN	1.28	---	2.15	2.02	2.31	1.97	1.74	1.49	1.27	1.35	1.13	1.18

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02385800 HOLLY CREEK NEAR CHATSWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344300 LONGITUDE 0844612 NAD83 DRAINAGE AREA 64.00 CONTRIBUTING DRAINAGE AREA 64.00* DATUM 689.25 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	---	---	0.00
2	0.00	0.00	0.00	0.00	0.54	0.42	0.00	0.82	0.00	---	---	0.08
3	0.01	0.00	0.29	0.00	0.01	0.00	0.00	0.00	0.00	---	---	0.00
4	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00
5	0.00	0.60	0.01	1.12	0.00	0.01	0.00	0.00	0.00	---	---	0.00
6	0.00	0.00	0.00	0.00	1.99	1.02	0.00	---	0.00	---	---	0.00
7	0.01	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.07	---	0.98
8	0.00	0.00	0.00	0.01	0.00	0.00	0.00	---	0.00	0.01	---	0.00
9	0.00	0.00	0.00	0.10	0.00	0.00	0.00	---	0.02	0.00	---	0.00
10	0.20	0.00	1.31	0.00	0.00	0.00	0.00	---	0.00	0.00	---	0.00
11	0.00	0.00	0.00	0.00	0.04	0.00	0.07	0.00	0.00	0.00	---	0.00
12	0.00	0.11	0.00	0.00	0.44	0.00	0.27	0.00	0.00	0.00	---	0.00
13	0.00	0.00	0.15	0.00	0.00	0.00	0.55	0.00	0.03	0.00	---	0.00
14	0.05	0.00	0.19	0.00	0.00	0.00	0.01	0.00	0.00	0.00	---	0.00
15	0.00	0.00	0.00	0.00	0.60	0.19	0.00	0.00	0.49	0.00	---	0.00
16	0.00	0.02	0.35	0.00	0.00	0.42	0.00	0.00	0.23	0.00	---	4.18
17	0.04	0.01	0.06	0.06	0.00	0.00	0.00	0.07	0.00	0.56	---	0.61
18	0.00	---	0.05	0.19	0.00	0.00	0.00	0.09	0.00	0.00	---	0.00
19	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
20	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	---	0.00
21	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.02	0.00	---	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	---	0.00
23	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.53	0.00	---	0.00
24	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.01	0.00
25	0.00	0.00	0.00	1.49	0.03	0.00	---	0.00	---	0.31	---	0.00
26	0.00	0.00	0.00	0.00	0.58	0.00	---	0.00	---	---	0.00	0.00
27	0.19	0.75	0.00	0.00	0.00	0.00	0.02	0.00	---	---	0.00	0.01
28	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.01	---	---	0.06	0.00
29	0.00	0.00	0.30	0.00	0.00	0.02	0.00	0.00	---	---	0.00	0.00
30	0.00	0.00	0.14	0.00	---	0.98	0.00	0.11	---	---	0.01	0.00
31	0.00	---	0.00	0.00	---	0.13	---	0.66	---	---	0.00	---
TOTAL	0.50	---	4.03	2.97	4.23	3.21	---	---	---	---	---	5.86

2004 Water Year

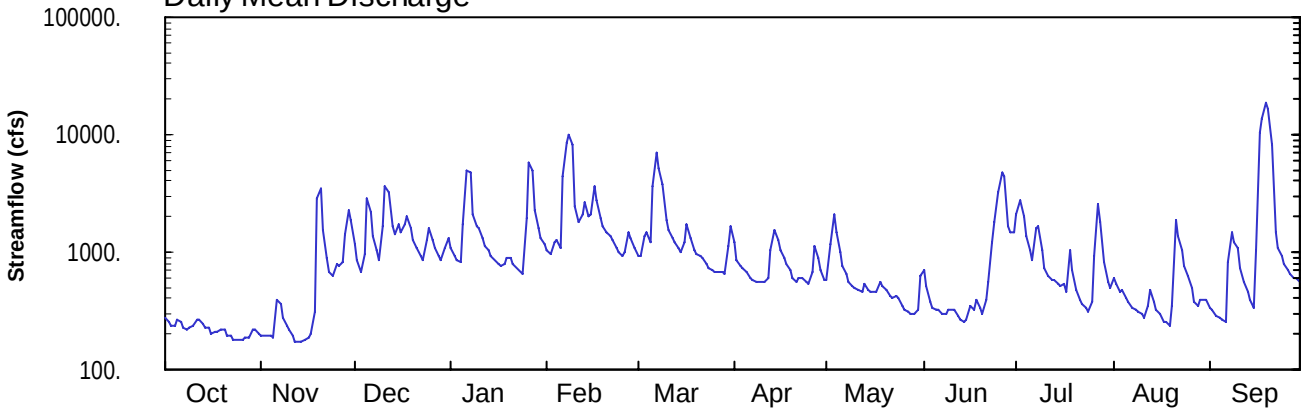
MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA

Latitude: 34°40'00" Longitude: 084°55'42" Hydrologic Unit Code: 03150101

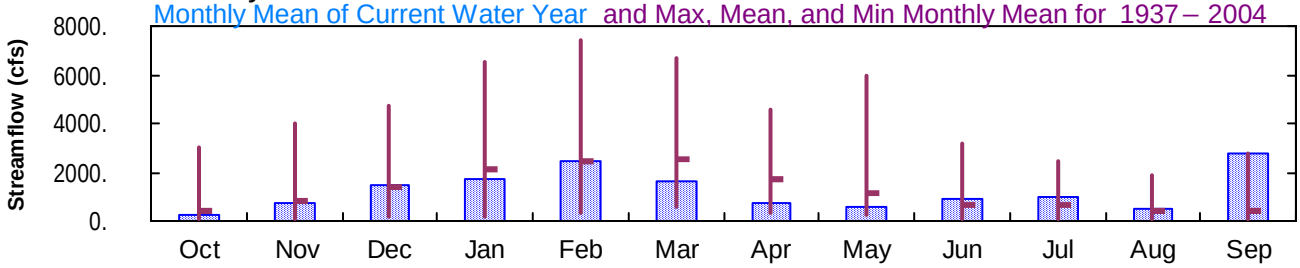
Whitfield County Datum: 622.28 feet Drainage Area: 687. mi²

Daily Mean Discharge

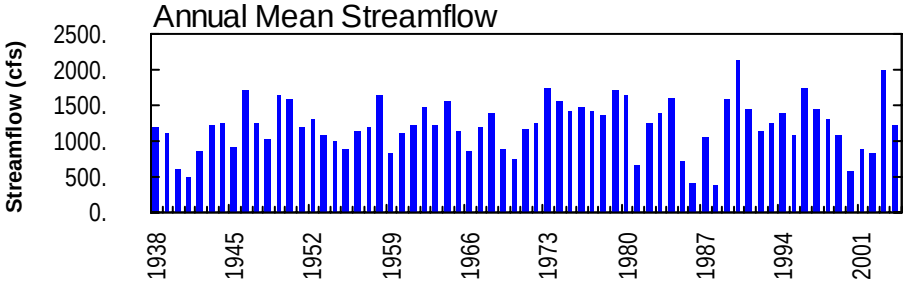


Monthly Statistics

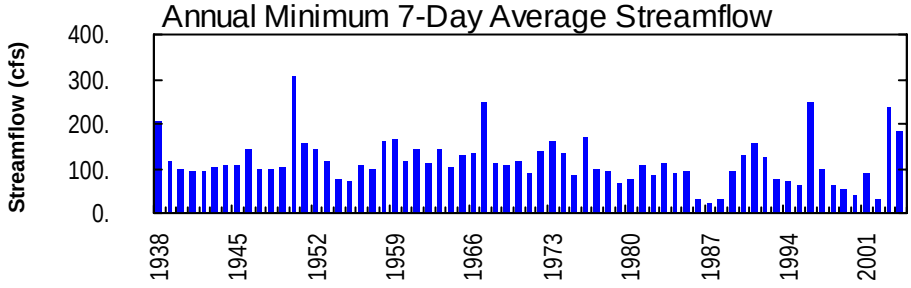
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



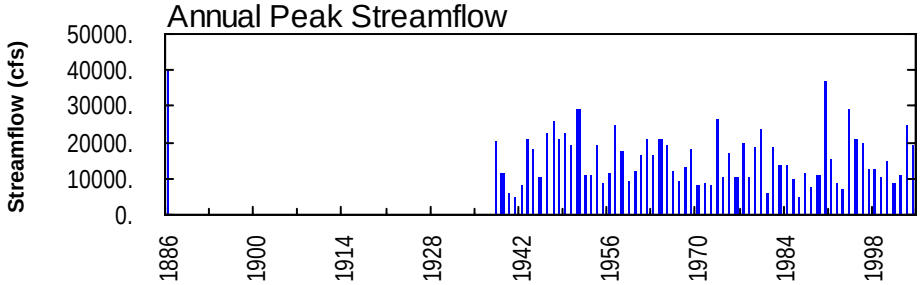
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02387000 CONASAUGA RIVER AT TILTON, GA

LOCATION.—Lat 34°40'00", long 84°55'42", referenced to North American Datum (NAD) of 1927, Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250.0 feet downstream from Tilton Road Bridge, 0.2 miles downstream from Swamp Creek, 0.5 miles northeast of Tilton, and 12.0 miles upstream from confluence with Coosawattee River.

DRAINAGE AREA.—687 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1937 to current year.

REVISED RECORDS.—WRD GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 622.28 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Prior to August 24, 1940, a non-recording gage was located at site 150 feet upstream at same datum. Since October 1, 1979, an auxiliary water-stage recorder was located at Sloan Road Bridge, 3.2 miles downstream. A water-stage recorder on Oostanaula River at Resaca was used as auxiliary gage during 1961-79 water years.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor. Flow affected by withdrawals and return flow by the City of Dalton.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 5,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
01/07	0300	5,820	12.33
03/08	1015	8,150	15.36
06/27	0315	5,290	11.58
09/19	1745	19,300*	24.29*

02387000 CONASAUGA RIVER AT TILTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1937 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 622.28 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Prior to August 24, 1940, a non-recording gage was located at site 150 feet upstream at same datum. Since October 1, 1979, an auxiliary water-stage recorder was located at Sloan Road Bridge, 3.2 miles downstream. A water-stage recorder on Oostanaula River at Resaca was used as auxiliary gage during 1961-79 water years.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 24.29 feet, September 19; minimum gage-height recorded, 2.56 feet, August 20.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687* DATUM 622.28 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	195	1160	1100	1020	936	1210	590	707	2100	612	e338
2	254	192	842	938	949	936	869	1170	511	2740	534	318
3	238	197	690	858	1210	1390	758	2080	376	2030	465	284
4	236	192	980	820	1240	1490	734	1460	335	1380	482	276
5	265	190	2910	1730	1070	1210	664	1000	325	1040	415	270
6	258	393	2220	5010	4450	3690	593	767	317	860	371	260
7	224	358	1350	4810	8600	7000	570	648	304	1620	334	821
8	221	279	1030	2080	9970	e5090	567	566	297	1650	317	1470
9	227	233	845	1680	8260	e3810	566	517	319	1040	309	1200
10	235	215	1640	1610	2420	1850	565	486	321	730	300	1100
11	264	194	3680	1320	1830	1530	559	477	317	625	280	729
12	268	171	3200	1130	2080	1320	594	464	286	574	348	553
13	249	172	1670	1020	2630	1230	1030	544	261	583	484	464
14	226	175	1410	922	2010	1100	1550	480	256	539	379	389
15	223	177	1760	852	2130	1020	1260	456	268	521	322	331
16	203	184	1460	801	3660	1220	1030	452	350	536	299	1040
17	209	202	1700	767	2740	1720	895	450	325	457	260	10200
18	211	313	2030	806	1950	1310	802	565	395	1030	251	13500
19	221	2910	1570	889	1640	1060	695	511	334	717	232	18600
20	214	3480	1280	885	1460	960	603	479	301	481	350	16500
21	195	1550	1070	788	1360	911	565	430	399	397	1860	8350
22	192	889	931	739	1250	897	609	407	562	358	1360	1470
23	181	668	840	698	1090	791	591	421	1200	336	e1050	1090
24	178	636	1260	650	983	730	555	404	1820	316	e772	919
25	178	782	1610	1970	937	708	542	344	3240	372	e625	804
26	181	769	1280	5800	1020	683	690	322	4740	943	e492	716
27	187	809	1070	4870	1450	681	1140	310	4430	2560	e381	657
28	185	1440	940	2280	1330	672	876	300	1660	1780	350	608
29	218	2310	858	1570	1070	639	694	295	1490	816	385	611
30	216	1880	1080	1320	---	1140	589	317	1460	561	e395	565
31	203	---	1290	1170	---	1670	---	624	---	495	e399	---
TOTAL	6840	22155	45656	51883	71809	49394	22965	18336	27906	30187	15413	84433
MEAN	221	738	1473	1674	2476	1593	766	591	930	974	497	2814
MAX	280	3480	3680	5800	9970	7000	1550	2080	4740	2740	1860	18600
MIN	178	171	690	650	937	639	542	295	256	316	232	260
CFSM	0.32	1.07	2.14	2.44	3.60	2.32	1.11	0.86	1.35	1.42	0.72	4.10
IN.	0.37	1.20	2.47	2.81	3.89	2.67	1.24	0.99	1.51	1.63	0.83	4.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	417	802	1352	2089	2489	2503	1743	1130	682	625	407	418
MAX	2996	4022	4761	6499	7419	6672	4596	5983	3203	2482	1899	2814
(WY)	1990	1958	1962	1947	1990	1980	1977	2003	1989	2003	1967	2004
MIN	77.3	112	141	176	356	592	308	211	54.0	111	57.1	66.3
(WY)	1988	1979	2000	1981	1941	1988	1986	1986	1988	1988	2000	1987

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	655970		446977			
ANNUAL MEAN	1797		1221		1216	
HIGHEST ANNUAL MEAN					2147	1990
LOWEST ANNUAL MEAN					392	1988
HIGHEST DAILY MEAN	24200	May 9	18600	Sep 19	32800	Feb 18 1990
LOWEST DAILY MEAN	171	Nov 12	171	Nov 12	12	Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	182	Nov 11	182	Nov 11	24	Aug 29 1987
MAXIMUM PEAK FLOW			19300	Sep 19	36800	Feb 17 1990
MAXIMUM PEAK STAGE			24.29	Sep 19	30.20	Mar 30 1951
ANNUAL RUNOFF (CFSM)	2.62		1.78		1.77	
ANNUAL RUNOFF (INCHES)	35.52		24.20		24.04	
10 PERCENT EXCEEDS	3860		2090		2820	
50 PERCENT EXCEEDS	900		723		550	
90 PERCENT EXCEEDS	225		234		144	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687* DATUM 622.28 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.98	2.73	4.62	4.51	4.37	4.20	4.72	3.49	3.74	6.38	3.53	---
2	2.90	2.72	4.01	4.20	4.23	4.20	4.07	4.63	3.31	7.55	3.36	2.83
3	2.86	2.73	3.70	4.05	4.73	5.06	3.84	6.38	2.98	6.28	3.20	2.74
4	2.85	2.72	4.27	3.97	4.78	5.25	3.79	5.20	2.88	5.04	3.24	2.72
5	2.94	2.71	7.84	5.66	4.45	4.72	3.64	4.33	2.85	4.40	3.08	2.70
6	2.92	3.27	6.63	11.17	9.92	8.96	3.49	3.86	2.83	4.05	2.97	2.67
7	2.82	3.19	4.99	10.82	15.92	13.88	3.44	3.61	2.79	5.52	2.87	3.88
8	2.81	2.98	4.37	6.38	17.58	---	3.44	3.43	2.77	5.57	2.83	5.22
9	2.83	2.84	4.02	5.64	15.40	---	3.43	3.32	2.83	4.41	2.81	4.70
10	2.85	2.79	5.52	5.50	6.98	5.96	3.43	3.25	2.84	3.78	2.78	4.52
11	2.93	2.73	9.13	4.94	5.92	5.34	3.42	3.23	2.83	3.56	2.73	3.78
12	2.94	2.66	8.31	4.56	6.38	4.93	3.49	3.20	2.75	3.45	2.90	3.40
13	2.89	2.66	5.60	4.36	7.37	4.76	4.37	3.38	2.68	3.47	3.24	3.20
14	2.82	2.67	5.11	4.17	6.24	4.52	5.37	3.24	2.66	3.37	2.99	3.01
15	2.81	2.68	5.78	4.03	6.46	4.35	4.81	3.18	2.69	3.33	2.84	2.86
16	2.75	2.70	5.21	3.93	9.10	4.74	4.39	3.17	2.92	3.36	2.78	4.16
17	2.77	2.75	5.67	3.86	7.54	5.72	4.12	3.16	2.85	3.18	2.67	17.80
18	2.78	3.02	6.28	3.94	6.14	4.91	3.93	3.43	3.03	4.36	2.65	20.59
19	2.81	7.90	5.42	4.11	5.55	4.43	3.71	3.31	2.87	3.75	2.59	23.88
20	2.79	8.80	4.86	4.10	5.20	4.25	3.51	3.23	2.78	3.24	2.85	22.84
21	2.73	5.38	4.46	3.90	5.01	4.15	3.43	3.12	3.02	3.04	5.96	15.11
22	2.72	4.11	4.19	3.80	4.81	4.12	3.53	3.06	3.40	2.94	5.01	5.23
23	2.69	3.65	4.01	3.72	4.50	3.91	3.49	3.10	4.69	2.88	---	4.49
24	2.68	3.58	4.82	3.62	4.29	3.78	3.41	3.05	5.88	2.83	---	4.17
25	2.68	3.89	5.49	6.03	4.20	3.74	3.38	2.90	8.37	2.96	---	3.94
26	2.69	3.86	4.86	12.30	4.36	3.69	3.69	2.84	10.78	4.21	---	3.76
27	2.70	3.94	4.46	10.93	5.20	3.68	4.59	2.81	10.26	7.25	---	3.63
28	2.70	5.17	4.21	6.74	4.96	3.66	4.08	2.78	5.59	5.80	2.92	3.53
29	2.80	6.79	4.05	5.42	4.45	3.59	3.71	2.77	5.27	3.96	3.00	3.53
30	2.79	5.99	4.47	4.93	---	4.58	3.48	2.83	5.21	3.42	---	3.43
31	2.75	---	4.87	4.65	---	5.61	---	3.53	---	3.27	---	---
MEAN	2.81	3.79	5.20	5.48	6.76	---	3.84	3.45	4.01	4.21	---	---
MAX	2.98	8.80	9.13	12.30	17.58	---	5.37	6.38	10.78	7.55	---	---
MIN	2.68	2.66	3.70	3.62	4.20	---	3.38	2.77	2.66	2.83	---	---

MOBILE RIVER BASIN
2004 Water Year

02387000 CONASAUGA RIVER AT TILTON, GA

LOCATION.—Lat 34°40'00", long 84°55'42", referenced to North American Datum (NAD) of 1927, Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250.0 feet downstream from Tilton Road Bridge, 0.2 miles downstream from Swamp Creek, 0.5 miles northeast of Tilton, and 12.0 miles upstream from confluence with Coosawattee River.

DRAINAGE AREA.—687 square miles.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—February 1975 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1975 to current year.
pH: October 1975 to current year.
WATER TEMPERATURE: February 1975 to current year.
DISSOLVED OXYGEN: October 1975 to current year.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 680 microsiemens, October 17, 1993; minimum recorded, 34 microsiemens, March 23, 1980.
pH: Maximum recorded, 10.7 units, February 13, 1988; minimum recorded, 5.9 units, September 28, 29, 1979.
WATER TEMPERATURE: Maximum recorded, 33.0 °C, July 23, 1986; minimum recorded, 0.0 °C, on several days.
DISSOLVED OXYGEN: Maximum recorded, 17.9 mg/L, October 12, 2000; minimum recorded, 0.0 mg/L, December 14, 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 298 microsiemens, April 4; minimum recorded, 54 microsiemens, September 19.
pH: Maximum recorded, 8.4 units, October 24, 25; minimum recorded, 6.8 units, September 19.
WATER TEMPERATURE: Maximum recorded, 29.2 °C, July 24; minimum recorded, 3.4 °C, January 24.
DISSOLVED OXYGEN: Maximum recorded, 14.9 mg/L, November 15; minimum recorded, 0.3 mg/L, June 25.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	204	195	198	259	250	255	148	115	135	176	168	172
2	204	194	200	265	253	258	---	---	---	174	170	172
3	209	197	201	265	256	261	175	164	170	175	171	173
4	217	207	211	274	263	266	190	175	182	178	171	174
5	221	211	215	279	274	275	185	138	150	190	163	174
6	221	214	218	279	243	259	138	127	132	163	91	124
7	237	216	225	257	237	244	137	126	130	110	89	100
8	240	231	235	237	229	233	145	132	138	116	104	108
9	236	230	233	251	235	244	156	145	150	134	116	127
10	241	228	232	261	248	255	188	152	163	143	134	137
11	248	238	243	267	256	259	169	87	125	150	143	146
12	242	230	238	270	263	266	107	87	101	159	150	152
13	235	230	232	274	263	268	120	106	111	161	156	158
14	241	232	235	279	272	275	138	120	131	162	157	161
15	244	238	241	279	273	277	149	135	139	167	162	165
16	242	232	236	277	269	275	155	147	152	172	169	170
17	252	242	248	276	265	269	161	142	153	178	172	174
18	259	249	252	274	220	263	145	139	141	190	178	182
19	258	252	255	295	166	221	146	138	141	190	179	184
20	254	244	248	176	147	162	142	139	141	184	178	180
21	263	247	252	163	143	153	151	142	145	184	172	177
22	266	257	262	166	126	146	159	150	154	173	170	172
23	266	257	261	175	162	169	166	159	162	178	173	176
24	266	254	260	193	159	170	185	158	174	179	174	176
25	272	262	266	194	158	177	167	157	160	179	143	168
26	278	267	271	162	158	160	167	151	157	152	112	124
27	285	273	279	197	162	173	153	147	150	117	111	114
28	286	275	282	198	167	179	156	150	152	122	116	118
29	286	282	284	167	120	144	159	156	158	135	122	129
30	282	259	266	120	109	112	182	158	171	144	135	140
31	259	251	256	---	---	---	176	160	166	150	144	147
MONTH	286	194	243	295	109	222	---	---	---	190	89	154

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	158	150	152	168	165	167	277	242	263	161	142	148
2	167	156	159	179	165	169	293	277	284	179	150	161
3	171	154	163	---	---	---	297	289	292	168	124	137
4	157	154	156	---	---	---	298	284	292	130	121	125
5	156	151	154	---	---	---	286	233	254	121	119	120
6	152	106	130	---	---	---	233	216	224	138	121	129
7	106	74	87	---	---	---	---	---	---	142	135	138
8	74	68	70	---	---	---	---	---	---	150	142	146
9	104	72	88	---	---	---	175	170	172	161	147	153
10	116	104	111	---	---	---	175	167	170	168	159	164
11	125	116	121	---	---	---	167	162	165	173	165	168
12	140	125	133	136	130	133	168	163	166	179	171	175
13	136	130	132	142	136	139	178	157	166	178	157	165
14	136	133	135	152	142	147	194	140	166	163	157	160
15	142	132	135	159	151	155	227	194	214	181	160	170
16	136	119	124	172	159	165	---	---	---	178	166	171
17	124	122	123	168	152	158	---	---	---	196	172	177
18	123	121	123	162	150	157	---	---	---	223	194	204
19	128	123	126	151	149	150	---	---	---	223	168	181
20	137	128	133	150	148	149	---	---	---	193	172	179
21	140	137	138	154	149	152	---	---	---	205	169	187
22	144	140	142	155	152	153	---	---	---	207	194	202
23	147	143	145	160	155	159	182	167	173	209	188	198
24	154	147	151	161	159	160	173	165	169	204	189	194
25	159	153	156	166	160	162	173	170	171	202	189	196
26	169	157	161	166	162	164	198	169	186	201	194	197
27	171	160	165	170	166	168	196	153	170	206	189	194
28	171	159	165	175	169	171	153	132	142	217	203	211
29	171	166	169	177	174	175	132	130	131	244	211	225
30	---	---	---	214	174	185	144	131	136	245	215	225
31	---	---	---	242	171	219	---	---	---	255	210	233
MONTH	171	68	136	---	---	---	---	---	---	255	119	175

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	223	186	207	158	114	144	195	179	187	---	---	---
2	200	186	194	133	114	126	183	172	175	235	215	224
3	204	197	201	138	128	134	205	174	188	249	229	235
4	214	202	207	147	135	140	198	183	191	249	236	242
5	227	209	216	159	143	149	187	175	181	252	239	244
6	225	211	217	159	146	151	198	181	191	252	239	245
7	222	215	218	165	157	160	212	190	198	272	194	234
8	231	214	219	170	126	148	215	205	211	220	194	210
9	235	223	232	---	---	---	219	209	214	209	158	193
10	223	213	217	---	---	---	226	217	221	158	119	132
11	213	205	207	---	---	---	229	219	224	133	116	124
12	208	203	206	---	---	---	263	221	232	154	133	144
13	224	206	212	---	---	---	252	214	229	166	150	158
14	228	213	218	---	---	---	215	201	206	180	166	173
15	238	228	234	210	186	197	220	206	212	194	179	184
16	293	237	268	221	188	205	242	219	230	198	134	181
17	254	234	243	199	176	185	243	232	237	134	69	83
18	246	205	217	220	162	183	253	236	242	74	63	70
19	231	205	221	245	220	233	255	241	247	63	54	56
20	227	209	214	---	---	---	264	173	248	73	56	64
21	228	183	215	---	---	---	---	---	---	111	73	91
22	242	185	223	---	---	---	---	---	---	129	111	121
23	236	146	196	---	---	---	---	---	---	139	129	135
24	268	150	217	---	---	---	---	---	---	150	139	145
25	249	210	234	---	---	---	---	---	---	157	149	153
26	213	115	143	---	---	---	---	---	---	161	154	158
27	146	86	98	---	---	---	---	---	---	169	160	165
28	135	106	116	---	---	---	226	203	214	176	168	172
29	138	132	135	---	---	---	250	218	234	178	174	176
30	152	136	146	---	---	---	---	---	---	188	173	176
31	---	---	---	181	172	177	---	---	---	---	---	---
MONTH	293	86	203	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.7	7.6	7.6	8.0	7.7	7.9	7.5	7.3	7.4	7.8	7.8	7.8
2	7.8	7.6	7.8	8.2	7.8	7.9	7.5	7.5	7.5	7.8	7.8	7.8
3	7.9	7.7	7.8	8.1	7.8	7.8	7.6	7.5	7.5	7.8	7.8	7.8
4	7.9	7.8	7.8	7.9	7.6	7.8	7.6	7.4	7.5	7.8	7.7	7.7
5	7.9	7.8	7.9	7.8	7.6	7.6	7.5	7.4	7.5	7.7	7.6	7.7
6	7.9	7.8	7.9	7.7	7.5	7.5	7.4	7.4	7.4	7.6	7.3	7.5
7	8.0	7.8	7.9	7.6	7.4	7.5	7.4	7.4	7.4	7.4	7.3	7.4
8	8.0	7.9	7.9	7.5	7.4	7.4	7.5	7.4	7.4	7.6	7.4	7.5
9	8.0	7.8	7.9	7.5	7.4	7.4	7.6	7.5	7.5	7.6	7.6	7.6
10	7.8	7.7	7.7	7.6	7.4	7.5	7.5	7.4	7.5	7.7	7.6	7.7
11	7.7	7.7	7.7	7.7	7.5	7.6	7.4	7.2	7.3	7.8	7.7	7.7
12	7.8	7.7	7.7	7.8	7.5	7.6	7.2	7.2	7.2	7.8	7.7	7.8
13	7.8	7.7	7.7	7.9	7.5	7.6	7.3	7.2	7.3	7.8	7.7	7.8
14	7.8	7.7	7.7	7.6	7.5	7.6	7.4	7.3	7.4	7.8	7.6	7.8
15	7.8	7.7	7.7	7.6	7.5	7.6	7.5	7.4	7.4	7.8	7.7	7.8
16	7.8	7.7	7.7	7.6	7.4	7.5	7.5	7.5	7.5	7.8	7.8	7.8
17	7.8	7.7	7.7	7.5	7.4	7.4	7.5	7.4	7.4	7.8	7.8	7.8
18	7.8	7.7	7.8	7.5	7.3	7.4	7.4	7.4	7.4	7.8	7.8	7.8
19	7.9	7.7	7.8	7.6	7.3	7.4	7.5	7.4	7.4	7.8	7.8	7.8
20	8.0	7.7	7.9	7.8	7.5	7.7	7.6	7.5	7.5	7.9	7.8	7.9
21	8.1	7.8	7.9	7.5	7.4	7.5	7.6	7.6	7.6	7.9	7.9	7.9
22	8.2	7.8	8.0	7.5	7.3	7.4	7.6	7.6	7.6	7.9	7.8	7.9
23	8.2	7.8	8.0	7.6	7.4	7.5	7.7	7.6	7.6	7.9	7.8	7.9
24	8.4	7.8	8.0	7.7	7.4	7.6	7.6	7.6	7.6	8.0	7.8	7.9
25	8.4	7.9	8.1	7.5	7.4	7.5	7.7	7.6	7.6	8.0	7.5	7.7
26	8.1	7.6	7.9	7.5	7.4	7.5	7.7	7.6	7.6	7.5	7.4	7.5
27	7.7	7.6	7.7	7.5	7.4	7.5	7.6	7.6	7.6	7.4	7.3	7.4
28	7.9	7.7	7.8	7.4	7.4	7.4	7.6	7.6	7.6	7.5	7.4	7.5
29	8.1	7.8	7.9	7.4	7.3	7.3	7.7	7.6	7.6	7.6	7.5	7.6
30	8.1	7.9	8.0	7.3	7.2	7.3	7.7	7.6	7.6	7.7	7.6	7.6
31	8.2	7.9	8.0	---	---	---	7.8	7.6	7.7	7.8	7.7	7.7
MAX	8.4	7.9	8.1	8.2	7.8	7.9	7.8	7.6	7.7	8.0	7.9	7.9
MIN	7.7	7.6	7.6	7.3	7.2	7.3	7.2	7.2	7.2	7.4	7.3	7.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.8	7.7	7.8	7.7	7.6	7.7	7.5	7.3	7.4	7.6	7.5	7.6
2	7.8	7.7	7.8	7.6	7.5	7.6	7.6	7.5	7.6	7.6	7.4	7.5
3	7.8	7.7	7.7	---	---	---	7.6	7.4	7.5	7.6	7.5	7.6
4	7.8	7.7	7.7	---	---	---	7.5	7.4	7.4	7.6	7.5	7.6
5	7.8	7.7	7.7	---	---	---	7.6	7.5	7.5	7.5	7.4	7.5
6	7.7	7.4	7.6	---	---	---	7.5	7.4	7.5	7.5	7.3	7.4
7	7.4	7.1	7.2	---	---	---	---	---	---	7.4	7.3	7.3
8	7.1	7.0	7.1	---	---	---	8.0	7.4	7.7	7.3	7.3	7.3
9	7.2	7.1	7.2	---	---	---	8.2	7.4	7.8	7.5	7.3	7.4
10	7.5	7.2	7.4	---	---	---	7.8	7.4	7.6	7.8	7.5	7.7
11	7.6	7.5	7.6	---	---	---	7.6	7.3	7.5	7.9	7.8	7.8
12	7.6	7.6	7.6	7.5	7.3	7.4	7.5	7.4	7.5	7.8	7.8	7.8
13	7.6	7.6	7.6	7.4	7.4	7.4	7.5	7.0	7.3	7.9	7.7	7.8
14	7.6	7.6	7.6	7.4	7.4	7.4	7.3	7.0	7.0	7.8	7.8	7.8
15	7.7	7.6	7.7	7.4	7.4	7.4	7.6	7.3	7.5	7.8	7.8	7.8
16	7.6	7.6	7.6	7.4	7.4	7.4	7.6	7.6	7.6	7.8	7.7	7.8
17	7.6	7.6	7.6	7.5	7.4	7.4	7.6	7.6	7.6	7.8	7.5	7.6
18	7.6	7.6	7.6	7.5	7.4	7.5	7.6	7.5	7.6	7.7	7.6	7.6
19	7.7	7.6	7.7	7.5	7.4	7.5	7.5	7.5	7.5	7.8	7.7	7.7
20	7.7	7.7	7.7	7.5	7.5	7.5	7.5	7.5	7.5	7.7	7.6	7.7
21	7.8	7.7	7.7	7.6	7.5	7.5	7.5	7.4	7.5	7.6	7.5	7.6
22	7.8	7.7	7.8	7.6	7.5	7.5	7.9	7.4	7.4	7.6	7.5	7.6
23	7.8	7.8	7.8	7.7	7.5	7.6	7.8	7.6	7.7	7.6	7.5	7.5
24	7.8	7.7	7.8	7.7	7.5	7.6	7.9	7.5	7.7	7.5	7.5	7.5
25	7.8	7.6	7.7	7.7	7.5	7.6	7.8	7.5	7.7	7.7	7.5	7.5
26	7.7	7.6	7.6	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.5	7.6
27	7.6	7.6	7.6	7.6	7.3	7.5	7.6	7.4	7.5	7.6	7.6	7.6
28	7.7	7.6	7.7	7.6	7.4	7.5	7.5	7.4	7.4	7.6	7.6	7.6
29	7.7	7.7	7.7	7.6	7.3	7.5	7.5	7.4	7.5	7.6	7.5	7.6
30	---	---	---	7.5	7.1	7.3	7.5	7.5	7.5	7.6	7.5	7.6
31	---	---	---	7.3	7.0	7.1	---	---	---	7.6	7.5	7.6
MAX	7.8	7.8	7.8	---	---	---	---	---	---	7.9	7.8	7.8
MIN	7.1	7.0	7.1	---	---	---	---	---	---	7.3	7.3	7.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.6	7.5	7.5	7.5	7.4	7.5	7.3	7.3	7.3	7.7	7.7	7.7
2	7.6	7.5	7.5	7.5	7.5	7.5	7.5	7.3	7.4	7.7	7.6	7.6
3	7.6	7.5	7.6	7.6	7.5	7.5	7.5	7.4	7.5	7.7	7.6	7.7
4	7.6	7.5	7.6	7.6	7.5	7.6	7.6	7.5	7.5	7.7	7.6	7.7
5	7.7	7.6	7.6	7.5	7.4	7.5	7.7	7.5	7.6	7.8	7.6	7.7
6	7.7	7.6	7.7	7.5	7.4	7.5	7.7	7.6	7.6	7.8	7.7	7.8
7	7.7	7.6	7.7	7.6	7.4	7.5	7.8	7.6	7.7	7.8	7.5	7.8
8	7.8	7.6	7.7	7.5	7.2	7.4	7.9	7.7	7.7	7.6	7.4	7.5
9	7.9	7.7	7.8	7.4	7.1	7.2	7.8	7.6	7.7	7.7	7.5	7.6
10	7.9	7.7	7.8	7.6	7.4	7.5	7.8	7.6	7.7	7.6	7.4	7.5
11	7.9	7.7	7.7	7.7	7.6	7.6	7.9	7.7	7.8	7.6	7.5	7.5
12	7.9	7.7	7.7	7.7	7.6	7.7	7.8	7.5	7.7	7.5	7.5	7.5
13	7.7	7.6	7.7	7.7	7.6	7.7	7.7	7.4	7.6	7.6	7.5	7.5
14	7.9	7.6	7.7	7.7	7.5	7.6	7.7	7.5	7.6	7.5	7.4	7.4
15	7.7	7.6	7.6	7.6	7.5	7.5	7.8	7.6	7.7	7.5	7.4	7.5
16	7.6	7.5	7.5	7.6	7.5	7.5	7.7	7.6	7.7	7.8	7.3	7.5
17	7.8	7.5	7.6	7.5	7.4	7.5	7.9	7.6	7.7	7.4	7.1	7.3
18	7.8	7.6	7.7	7.4	7.4	7.4	8.1	7.7	7.7	7.3	7.0	7.2
19	7.8	7.6	7.7	7.4	7.3	7.4	8.2	7.7	7.8	7.1	6.8	7.0
20	7.8	7.6	7.7	7.3	7.2	7.3	8.1	7.4	7.8	7.3	7.1	7.2
21	7.8	7.6	7.7	7.2	7.1	7.2	7.4	7.0	7.2	7.3	7.2	7.3
22	7.7	7.4	7.4	7.2	7.1	7.2	7.5	7.3	7.4	7.4	7.2	7.2
23	7.4	7.2	7.3	7.2	7.1	7.2	---	---	---	7.5	7.4	7.5
24	7.4	7.2	7.3	7.2	7.1	7.2	---	---	---	7.5	7.5	7.5
25	7.5	7.3	7.5	7.2	7.1	7.2	---	---	---	7.5	7.4	7.5
26	7.3	6.9	7.1	7.3	7.1	7.1	---	---	---	7.4	7.3	7.4
27	7.0	6.9	7.0	7.3	7.3	7.3	---	---	---	7.4	7.3	7.4
28	7.0	6.9	7.0	7.3	7.2	7.2	7.7	7.6	7.6	7.4	7.3	7.3
29	7.2	7.0	7.1	7.2	7.1	7.2	7.8	7.6	7.7	7.4	7.3	7.4
30	7.4	7.1	7.3	7.2	7.1	7.1	---	---	---	7.4	7.3	7.4
31	---	---	---	7.3	7.2	7.2	---	---	---	---	---	---
MAX	7.9	7.7	7.8	7.7	7.6	7.7	---	---	---	7.8	7.7	7.8
MIN	7.0	6.9	7.0	7.2	7.1	7.1	---	---	---	7.1	6.8	7.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.2	16.8	17.6	16.2	14.3	15.1	7.7	7.1	7.4	6.8	6.0	6.5
2	17.4	15.8	16.7	16.7	14.8	15.5	7.2	6.6	6.9	7.8	6.6	7.1
3	16.2	14.9	15.6	16.6	14.9	15.6	6.9	6.5	6.7	9.7	7.8	8.7
4	16.9	15.0	15.8	16.3	15.3	15.9	6.7	6.6	6.7	12.0	9.7	10.8
5	16.5	15.6	16.1	17.8	16.0	17.0	6.8	6.7	6.8	13.1	12.0	12.7
6	17.0	16.2	16.6	19.7	17.6	18.5	6.9	6.6	6.8	12.6	9.4	11.4
7	17.8	16.8	17.3	18.9	17.9	18.3	6.7	6.1	6.4	9.4	5.8	7.4
8	18.8	17.7	18.2	17.9	16.2	16.9	6.3	5.7	6.0	5.8	4.6	5.0
9	18.6	18.0	18.3	16.2	14.8	15.4	6.9	5.6	6.2	4.6	4.5	4.5
10	18.5	18.2	18.4	14.9	13.7	14.4	9.1	6.9	8.1	4.8	4.4	4.6
11	18.9	18.1	18.5	14.6	13.4	13.8	9.0	8.0	8.6	4.5	3.9	4.2
12	20.4	18.6	19.4	15.2	13.7	14.4	8.0	6.7	7.3	4.6	3.7	4.2
13	20.0	18.9	19.6	15.3	12.4	14.3	6.7	6.1	6.2	5.6	4.3	4.9
14	20.1	18.6	19.8	12.4	10.8	11.4	6.4	6.1	6.2	6.4	5.0	5.7
15	18.6	17.0	17.8	12.5	10.7	11.5	6.9	6.2	6.5	7.0	6.3	6.6
16	17.6	15.8	16.6	12.0	11.6	11.8	7.5	6.5	6.9	6.8	6.0	6.4
17	16.0	14.4	15.3	13.7	12.0	12.9	7.9	7.4	7.6	6.4	5.9	6.2
18	16.3	14.2	14.9	15.3	13.6	14.3	7.4	6.6	6.9	7.3	6.4	6.9
19	16.0	14.2	15.0	15.9	15.2	15.6	6.7	6.0	6.4	7.1	6.0	6.7
20	16.4	14.7	15.4	15.4	13.7	14.6	6.0	5.1	5.7	6.0	4.7	5.3
21	16.8	15.1	15.8	13.7	12.4	13.0	5.1	4.4	4.7	4.9	4.2	4.5
22	17.6	15.9	16.4	12.4	11.6	12.1	4.8	4.1	4.4	4.9	3.6	4.3
23	16.9	15.2	15.9	12.5	11.2	11.9	6.2	4.5	5.2	4.7	3.8	4.4
24	16.9	14.9	15.7	13.0	11.6	12.3	7.1	6.2	6.8	5.2	3.4	4.4
25	16.9	15.0	15.8	11.6	10.0	10.7	7.0	5.9	6.5	6.7	5.0	5.8
26	16.4	15.8	16.1	10.2	9.5	9.9	5.9	5.0	5.5	6.7	6.6	6.7
27	16.4	15.1	16.0	10.6	9.8	10.1	5.1	4.5	4.9	6.7	6.3	6.6
28	15.1	13.4	13.9	11.3	10.6	11.0	5.1	4.2	4.7	6.3	5.4	5.9
29	14.8	13.0	13.7	10.6	9.2	10.1	6.7	4.8	5.6	5.4	4.5	5.0
30	14.8	12.9	13.8	9.2	7.7	8.4	7.5	6.7	7.1	5.6	4.8	5.2
31	15.6	13.9	14.6	---	---	---	7.1	6.5	6.9	5.2	4.4	4.9
MONTH	20.4	12.9	16.5	19.7	7.7	13.6	9.1	4.1	6.4	13.1	3.4	6.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.1	4.2	4.7	11.0	8.5	9.6	15.2	13.8	14.4	19.9	18.2	19.0
2	5.2	4.8	5.0	12.2	11.0	11.6	14.1	12.8	13.5	19.7	18.2	19.0
3	6.2	5.2	5.6	---	---	---	15.2	12.7	13.9	18.2	16.2	17.3
4	6.5	5.6	6.0	---	---	---	15.3	13.3	14.3	16.5	15.0	15.8
5	6.4	6.0	6.2	---	---	---	15.0	13.0	14.1	17.3	14.8	16.0
6	8.4	6.4	7.4	---	---	---	15.7	12.7	14.3	19.1	16.0	17.5
7	8.5	7.7	8.2	---	---	---	16.7	13.4	15.2	20.8	17.6	19.2
8	7.7	6.5	6.9	---	---	---	17.3	15.1	16.3	22.2	19.0	20.7
9	6.5	6.2	6.3	---	---	---	18.3	15.4	17.0	23.1	20.1	21.8
10	7.1	6.5	6.8	---	---	---	17.6	15.8	16.4	24.3	21.4	22.9
11	7.4	6.9	7.2	---	---	---	16.2	15.3	15.6	23.9	22.0	23.1
12	7.5	7.2	7.4	11.9	10.3	11.1	15.7	14.9	15.3	23.6	21.7	22.8
13	7.6	6.9	7.2	12.0	10.6	11.3	15.6	14.0	14.9	23.6	22.1	22.9
14	8.0	7.5	7.7	13.1	11.3	12.1	14.3	13.1	13.7	23.2	22.0	22.6
15	8.1	7.9	8.1	13.2	12.8	13.0	14.8	12.8	13.8	22.9	21.6	22.4
16	7.9	7.3	7.6	14.6	13.0	13.7	16.0	13.5	14.7	23.4	21.2	22.4
17	7.3	7.1	7.2	14.5	13.3	14.0	17.4	14.7	15.9	23.8	21.6	22.9
18	7.6	6.6	7.1	14.0	13.1	13.5	18.8	15.9	17.3	23.8	21.6	22.8
19	7.9	6.6	7.3	14.5	12.5	13.5	19.9	17.3	18.7	24.5	21.9	23.3
20	8.2	7.5	7.8	15.3	13.2	14.2	20.5	18.5	19.6	24.9	22.2	23.8
21	9.8	8.2	9.0	15.7	14.4	15.1	20.5	18.5	19.6	25.6	22.9	24.4
22	10.1	8.8	9.4	14.4	13.0	13.7	21.0	19.0	20.1	25.5	23.5	24.5
23	9.5	9.2	9.4	13.0	11.4	12.3	22.0	19.6	20.8	25.8	23.3	24.6
24	9.9	9.3	9.6	13.4	11.1	12.3	22.8	20.2	21.6	26.3	23.6	25.0
25	9.8	9.4	9.6	14.6	12.0	13.3	22.3	20.7	21.4	26.9	24.6	25.8
26	9.4	8.0	8.6	16.6	13.6	15.1	21.4	19.4	20.3	26.8	25.5	26.2
27	8.0	7.4	7.7	18.0	15.2	16.6	19.4	18.0	18.7	27.7	25.3	26.3
28	8.6	6.9	7.7	19.1	16.4	17.8	18.8	16.9	17.9	26.5	25.3	25.9
29	8.9	7.7	8.3	19.7	17.5	18.6	18.7	16.8	17.8	25.3	24.3	24.7
30	---	---	---	19.3	17.7	18.3	18.8	17.9	18.4	26.1	23.8	24.8
31	---	---	---	17.7	15.2	16.5	---	---	---	25.7	23.1	24.3
MONTH	10.1	4.2	7.5	---	---	---	22.8	12.7	16.9	27.7	14.8	22.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.0	22.1	23.1	22.3	21.6	21.9	27.3	25.0	26.1	---	---	---
2	24.2	22.0	23.2	22.8	21.7	22.2	27.9	25.6	26.8	24.8	24.4	24.6
3	24.0	22.5	23.4	23.7	22.1	22.9	28.3	25.5	27.0	25.0	24.0	24.4
4	25.2	22.8	24.0	24.5	23.0	23.7	28.3	25.9	27.3	25.2	24.1	24.6
5	24.7	22.9	24.0	25.7	23.7	24.6	27.9	---	---	26.3	23.9	24.9
6	25.0	23.4	24.2	25.2	24.1	24.7	27.3	24.9	26.1	25.0	24.2	24.7
7	24.5	23.8	24.1	24.7	23.3	23.9	26.3	23.9	25.2	24.2	22.3	23.3
8	25.2	23.7	24.3	24.8	23.5	24.1	25.9	23.6	24.8	22.5	22.1	22.3
9	26.1	24.1	25.0	26.1	23.8	24.8	24.9	23.9	24.5	23.5	22.0	22.7
10	26.9	24.6	25.8	25.9	24.8	25.3	25.8	24.0	24.8	23.3	22.0	22.7
11	27.4	25.4	26.4	27.2	24.5	25.8	26.6	24.3	25.4	23.9	22.0	23.0
12	28.9	26.3	27.4	27.0	25.6	26.2	25.7	23.1	24.6	24.3	22.2	23.3
13	27.6	26.2	27.0	27.5	25.1	26.3	23.6	21.4	22.6	24.2	22.5	23.5
14	28.0	26.0	26.8	27.2	25.6	26.5	23.3	21.1	22.4	24.0	22.0	23.2
15	27.0	25.8	26.6	27.2	24.9	26.1	24.2	22.0	23.1	23.8	22.5	23.2
16	27.3	25.0	26.1	26.4	24.5	25.5	24.9	22.9	23.9	23.6	21.8	22.9
17	28.3	26.1	27.1	26.2	24.4	25.4	26.1	23.9	24.8	22.0	21.8	21.9
18	28.4	26.7	27.6	25.7	24.3	24.9	27.0	24.4	25.5	21.9	21.0	21.5
19	28.8	26.6	27.7	25.6	23.5	24.6	28.0	24.9	26.2	21.0	20.5	20.7
20	27.9	26.9	27.4	26.5	23.8	25.2	27.3	24.2	26.0	20.6	20.0	20.2
21	27.6	25.9	26.8	27.0	24.1	25.7	24.3	23.2	23.6	20.0	19.2	19.6
22	26.7	25.0	25.8	27.0	25.3	26.4	24.2	23.3	23.7	19.8	18.4	19.2
23	25.3	23.2	24.0	28.4	25.6	27.0	---	---	---	20.3	18.6	19.5
24	24.3	23.3	23.9	29.2	26.9	28.0	---	---	---	21.1	19.4	20.2
25	23.4	22.8	23.0	28.8	26.5	28.0	---	---	---	21.8	20.4	21.1
26	22.8	22.0	22.5	27.1	24.8	25.9	---	---	---	22.1	20.6	21.4
27	22.0	21.7	21.9	25.0	24.1	24.4	---	---	---	21.7	20.9	21.2
28	21.8	21.4	21.6	25.5	23.7	24.5	27.1	25.1	26.2	21.7	20.6	21.2
29	22.4	21.2	21.8	26.0	24.1	25.0	26.9	25.4	26.4	22.0	20.4	21.3
30	22.2	21.8	22.0	26.4	24.8	25.6	---	---	---	21.4	19.8	20.3
31	---	---	---	25.9	25.0	25.6	---	---	---	---	---	---
MONTH	28.9	21.2	24.8	29.2	21.6	25.2	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	12.2	10.5	11.3	11.2	10.5	10.9	11.4	10.8	11.1
2	---	---	---	12.1	10.2	11.1	11.3	10.7	11.0	11.2	10.9	11.0
3	9.8	8.9	9.4	13.3	10.0	11.2	11.5	10.4	11.0	10.9	10.3	10.6
4	10.1	9.2	9.6	11.1	9.5	10.2	---	---	---	10.3	9.7	10.0
5	9.9	9.0	9.5	9.9	8.4	9.2	---	---	---	9.7	8.7	9.2
6	9.8	8.8	9.4	8.7	5.6	7.3	---	---	---	9.6	8.6	8.9
7	9.6	8.9	9.4	7.0	6.3	6.7	---	---	---	11.0	9.6	10.3
8	9.6	8.7	9.2	8.5	7.0	7.7	---	---	---	11.8	10.7	11.3
9	9.1	8.4	8.7	10.6	8.1	9.2	12.0	11.8	12.0	12.2	11.7	11.9
10	8.6	7.7	8.1	11.7	9.2	10.4	11.8	10.4	11.0	12.2	11.5	11.9
11	8.1	7.7	7.9	12.7	10.2	11.3	10.7	10.2	10.4	12.9	11.8	12.4
12	8.2	7.5	7.9	13.4	10.7	11.7	11.5	10.7	11.0	12.9	11.8	12.4
13	8.1	7.5	7.9	13.0	10.5	11.4	12.0	11.5	11.8	12.9	11.4	12.2
14	8.1	7.3	7.6	14.3	10.9	12.4	12.0	11.8	11.9	---	---	---
15	8.7	7.6	8.1	14.9	12.0	13.2	11.8	11.7	11.8	11.9	11.1	11.4
16	9.7	8.4	8.8	13.6	10.6	12.2	11.8	11.5	11.7	12.5	11.6	12.0
17	9.4	8.8	9.1	11.4	10.6	10.9	11.5	11.2	11.4	12.2	11.8	12.0
18	10.3	9.3	9.7	11.3	9.5	10.2	11.7	11.3	11.5	11.9	11.1	11.5
19	10.4	9.6	10.1	9.5	7.6	8.3	12.0	11.7	11.8	11.7	10.8	11.3
20	10.7	9.7	10.2	8.9	7.2	8.3	12.5	12.0	12.2	12.6	11.7	12.1
21	10.8	9.4	10.3	---	---	---	12.9	12.5	12.8	13.0	12.5	12.7
22	10.8	9.4	10.2	---	---	---	13.1	12.8	13.0	13.2	12.6	12.9
23	11.4	9.5	10.2	---	---	---	13.0	12.3	12.8	13.2	12.7	13.0
24	11.9	9.9	10.6	---	---	---	12.3	11.4	11.8	13.4	12.9	13.2
25	12.0	9.4	10.9	10.0	9.5	9.8	12.0	11.5	11.7	13.2	11.3	12.0
26	10.9	8.3	9.8	10.5	10.0	10.3	12.6	11.8	12.2	11.3	11.0	11.1
27	9.2	8.4	8.7	10.5	10.3	10.4	12.9	12.0	12.5	11.1	10.9	11.0
28	10.7	8.8	9.9	10.3	9.9	10.0	13.1	12.4	12.8	12.1	11.1	11.6
29	11.8	10.7	11.1	10.2	9.8	10.1	12.8	11.8	12.5	12.8	12.1	12.5
30	12.1	10.5	11.5	10.8	9.9	10.5	12.0	11.4	11.7	12.9	12.6	12.8
31	12.1	10.6	11.5	---	---	---	---	---	---	13.1	12.8	12.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.7	13.0	13.3	12.0	11.3	11.8	10.1	9.1	9.6	---	---	---
2	13.4	13.0	13.2	11.3	10.4	10.8	11.3	9.8	10.6	---	---	---
3	13.1	12.6	12.8	---	---	---	11.9	10.6	11.2	---	---	---
4	13.0	12.6	12.8	---	---	---	11.9	10.6	11.3	---	---	---
5	13.0	12.4	12.7	---	---	---	12.3	10.4	11.4	9.6	9.0	9.3
6	12.4	11.1	11.8	---	---	---	13.2	10.6	11.7	9.1	8.4	8.8
7	11.1	10.5	10.7	---	---	---	---	---	---	8.6	8.0	8.3
8	11.3	10.5	10.9	---	---	---	11.0	9.3	10.3	8.5	7.6	8.0
9	11.8	11.1	11.3	---	---	---	11.5	8.9	10.1	8.5	6.3	7.9
10	12.2	11.8	12.1	---	---	---	10.8	8.5	9.6	8.5	7.2	7.9
11	12.1	12.0	12.1	---	---	---	10.6	8.9	9.8	8.5	7.1	7.9
12	12.1	11.9	12.0	11.3	11.1	11.2	10.8	9.4	10.0	8.5	6.0	7.6
13	12.1	11.9	12.1	11.2	11.0	11.1	10.4	9.5	9.7	8.3	6.6	7.5
14	12.1	11.8	12.0	11.6	10.7	10.9	10.8	9.6	10.3	7.6	6.6	7.1
15	11.8	11.6	11.7	10.7	10.2	10.4	11.5	10.8	11.2	7.8	5.6	7.2
16	11.9	11.7	11.8	10.2	9.9	10.1	11.8	11.0	11.4	8.6	6.8	7.7
17	12.3	11.9	12.1	10.1	9.3	9.6	---	---	---	8.5	5.9	7.8
18	12.5	12.3	12.4	10.1	9.5	9.8	---	---	---	7.6	6.7	7.3
19	12.6	12.4	12.5	10.5	9.9	10.2	---	---	---	7.6	6.6	7.1
20	12.4	12.0	12.2	10.5	10.0	10.3	---	---	---	7.7	6.6	7.2
21	12.0	11.7	11.8	10.2	9.7	10.0	---	---	---	7.7	4.8	7.0
22	11.7	11.6	11.7	11.0	10.0	10.4	---	---	---	7.1	6.0	6.8
23	11.7	11.1	11.5	11.9	10.7	11.3	9.0	7.4	8.1	7.2	6.1	6.7
24	11.7	10.6	11.5	12.1	11.3	11.7	8.9	7.0	8.1	7.0	6.1	6.5
25	11.5	11.0	11.3	12.1	11.1	11.6	8.4	6.7	7.6	6.7	5.2	6.3
26	11.5	11.1	11.3	11.7	10.7	11.2	7.8	6.8	7.3	---	---	---
27	12.0	11.5	11.7	11.3	9.8	10.6	7.9	7.3	7.6	---	---	---
28	12.3	12.0	12.1	11.6	9.2	10.2	8.8	7.8	8.2	---	---	---
29	12.3	12.0	12.1	11.3	8.8	10.0	9.0	8.1	8.6	6.8	6.2	6.5
30	---	---	---	9.7	8.0	8.7	8.5	8.0	8.2	7.2	6.4	6.7
31	---	---	---	9.2	7.7	8.4	---	---	---	6.8	6.1	6.5
MONTH	13.7	10.5	12.0	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.5	5.9	6.2	7.5	7.1	7.3	---	---	---	---	---	---
2	7.3	6.1	6.7	---	---	---	---	---	---	6.7	6.2	6.4
3	7.2	6.0	6.8	---	---	---	---	---	---	7.3	6.0	6.7
4	7.2	6.0	6.7	---	---	---	---	---	---	7.6	6.6	6.9
5	7.6	6.0	6.8	---	---	---	---	---	---	7.7	6.8	7.0
6	7.7	6.4	7.1	---	---	---	7.7	6.5	7.0	7.2	6.5	6.9
7	7.7	6.1	6.9	---	---	---	8.2	6.7	7.4	7.0	6.6	6.7
8	8.2	5.3	7.3	---	---	---	8.6	7.1	7.7	6.9	6.2	6.6
9	8.1	5.3	7.6	7.0	6.5	6.8	8.3	7.0	7.8	7.3	6.8	7.1
10	8.2	6.8	7.4	7.0	6.7	6.9	8.7	7.3	8.0	7.7	7.3	7.5
11	8.0	6.6	7.2	6.9	6.5	6.7	8.8	7.3	7.9	7.7	6.7	7.6
12	8.0	6.4	7.0	7.0	6.5	6.7	7.9	6.8	7.3	7.7	7.4	7.5
13	7.1	6.1	6.5	7.1	6.6	6.8	7.9	6.3	7.2	7.7	7.3	7.5
14	7.7	6.1	6.7	7.1	6.4	6.8	8.5	7.0	7.6	7.8	7.2	7.5
15	7.1	6.2	6.5	7.3	6.6	7.0	8.8	7.3	8.1	7.8	6.5	7.4
16	6.7	5.9	6.2	7.5	6.9	7.2	8.9	7.4	8.2	7.4	6.8	7.1
17	7.0	5.5	6.3	7.7	5.1	7.2	8.9	7.3	8.2	---	---	---
18	6.7	5.8	6.3	7.5	6.3	7.0	9.8	7.9	8.5	---	---	---
19	7.4	6.0	6.6	6.7	6.1	6.4	10.0	7.7	8.5	---	---	---
20	7.3	6.2	6.7	7.1	5.9	6.7	9.2	7.1	8.0	---	---	---
21	7.4	6.0	6.7	7.7	5.5	6.9	---	---	---	---	---	---
22	6.9	5.1	5.9	7.7	5.5	6.9	---	---	---	---	---	---
23	6.6	5.3	5.9	---	---	---	---	---	---	8.3	8.1	8.2
24	6.5	5.3	6.1	---	---	---	---	---	---	8.1	7.9	8.0
25	6.6	0.3	2.1	---	---	---	---	---	---	8.0	7.7	7.8
26	6.7	6.4	6.6	---	---	---	---	---	---	8.0	7.6	7.7
27	6.8	6.3	6.6	---	---	---	---	---	---	7.7	7.6	7.6
28	7.4	6.7	7.2	---	---	---	7.4	6.3	6.8	7.8	7.5	7.6
29	7.6	5.5	7.4	---	---	---	7.3	6.2	6.8	8.0	7.5	7.7
30	7.6	7.1	7.3	---	---	---	---	---	---	8.3	7.6	8.0
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	8.2	0.3	6.6	---	---	---	---	---	---	---	---	---

MOBILE RIVER BASIN
2004 Water Year

02387010 CONASAUGA RIVER AT SLOAN BRIDGE, BELOW DALTON, GA

LOCATION.—Lat 34°37'45", Long 84°55'02", referenced to North American Datum (NAD) of 1927, Whitfield-Murray County Line, Hydrologic Unit 03150101, 2.7 miles southeast of Tilton, located on downstream right bank pier at Sloan Bridge.

DRAINAGE AREA.—695 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1937 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 622.28 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair. Station is auxiliary gage for 02387000 Conasauga River at Tilton.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.58 feet, September 19; minimum gage-height recorded, 0.29 feet, November 12-15.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387010 CONASAUGA RIVER AT SLOAN BRIDGE, BELOW DALTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 343745 LONGITUDE 0845502 NAD27 DRAINAGE AREA 695.00 CONTRIBUTING DRAINAGE AREA 695* DATUM 618.95 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.69	0.36	2.58	2.48	---	2.49	2.72	1.36	1.63	4.26	1.41	0.65
2	0.59	0.34	1.94	2.17	---	2.45	2.03	2.47	1.16	5.81	1.24	0.54
3	0.53	0.35	1.61	2.02	---	3.32	1.78	4.37	0.74	4.40	1.03	0.42
4	0.50	0.34	2.11	1.94	---	3.51	1.72	3.18	0.60	3.08	1.04	0.39
5	0.61	0.33	5.74	3.37	---	3.01	1.57	2.26	0.55	2.37	0.88	0.38
6	0.60	1.00	4.76	8.87	---	6.89	1.40	1.78	0.53	2.00	0.73	0.37
7	0.46	0.99	2.97	9.00	---	11.85	1.34	1.50	0.48	3.47	0.60	1.60
8	0.45	0.72	2.32	4.48	---	13.11	1.32	1.30	0.46	3.58	0.54	3.34
9	0.46	0.53	1.96	3.58	---	7.20	1.32	1.17	0.51	2.47	0.50	2.62
10	0.48	0.45	3.40	3.45	---	3.97	1.33	1.08	0.56	1.70	0.47	2.45
11	0.59	0.37	7.17	2.89	---	3.29	1.32	1.06	0.51	1.47	0.42	1.71
12	0.62	0.30	6.62	2.52	---	2.84	1.38	1.00	0.44	1.38	0.58	1.26
13	0.56	0.29	3.65	2.32	---	2.67	2.22	1.22	0.39	1.36	1.07	1.01
14	0.46	0.29	3.04	2.14	4.37	2.47	3.27	1.06	0.38	1.24	0.77	0.78
15	0.46	0.30	3.72	2.00	4.48	2.36	2.76	0.98	0.39	1.15	0.56	0.59
16	0.37	0.32	3.19	1.90	7.13	2.74	2.32	0.97	0.62	1.23	0.47	1.82
17	0.39	0.37	3.58	1.82	5.76	3.80	2.05	0.94	0.55	0.99	0.39	15.62
18	0.40	0.66	4.32	1.89	4.24	3.07	1.86	1.27	0.76	2.13	0.37	18.18
19	0.45	5.76	3.41	2.05	3.60	2.54	1.63	1.14	0.61	1.71	0.37	21.07
20	0.43	7.02	2.83	2.04	3.22	2.35	1.41	1.05	0.47	1.07	0.62	20.74
21	0.34	3.48	2.44	---	3.03	2.25	1.31	0.90	0.68	0.81	4.00	---
22	0.34	2.07	2.17	---	2.84	2.24	1.40	0.83	1.17	0.68	3.00	---
23	0.32	1.57	1.99	---	2.57	2.05	1.38	0.86	2.54	0.60	2.04	---
24	0.31	1.46	2.70	---	2.40	1.93	1.28	0.83	3.53	0.53	1.28	---
25	0.30	1.77	3.43	---	2.41	1.89	1.24	0.64	6.24	0.63	1.18	---
26	0.30	1.78	2.82	---	2.59	1.87	1.55	0.54	8.81	2.07	1.16	---
27	0.33	1.82	2.43	---	3.40	1.87	2.46	0.51	8.59	5.28	0.83	---
28	0.31	3.06	2.18	---	3.23	1.87	2.01	0.47	3.69	3.94	0.66	---
29	0.42	4.72	2.03	---	2.73	1.78	1.62	0.45	3.14	1.94	0.73	---
30	0.45	4.04	2.38	---	---	2.47	1.36	0.52	3.12	1.30	0.73	---
31	0.39	---	2.81	---	---	3.58	---	1.26	---	1.15	0.71	---
MEAN	0.45	1.56	3.17	---	---	3.54	1.75	1.26	1.79	2.12	0.98	---
MAX	0.69	7.02	7.17	---	---	13.11	3.27	4.37	8.81	5.81	4.00	---
MIN	0.30	0.29	1.61	---	---	1.78	1.24	0.45	0.38	0.53	0.37	---

2004 Water Year

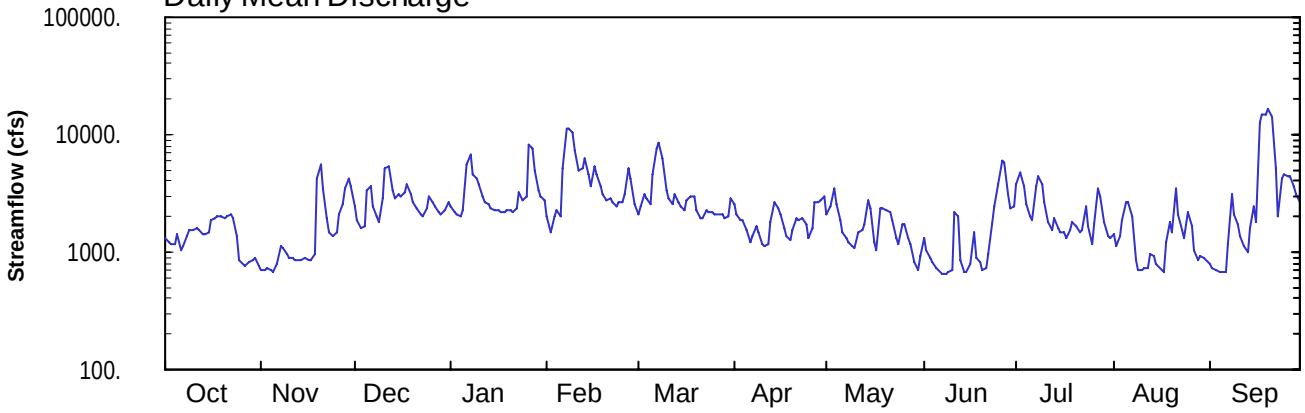
MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA

Latitude: 34°34'37" Longitude: 084°56'30" Hydrologic Unit Code: 03150103

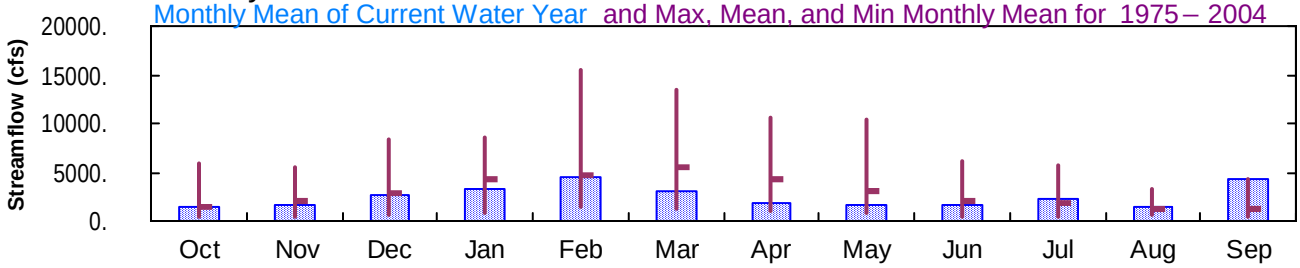
Gordon County Datum: 604.14 feet Drainage Area: 1602. mi²

Daily Mean Discharge

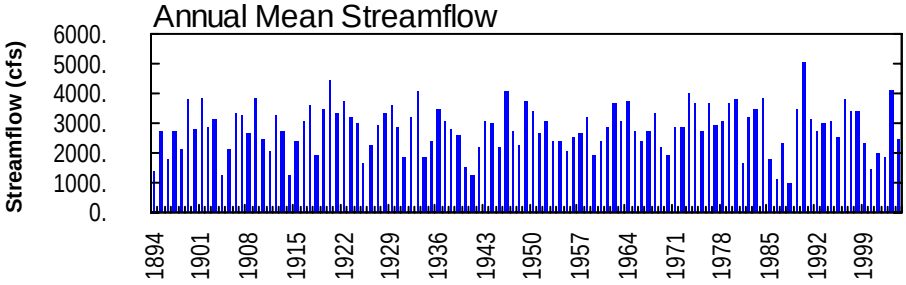


Monthly Statistics

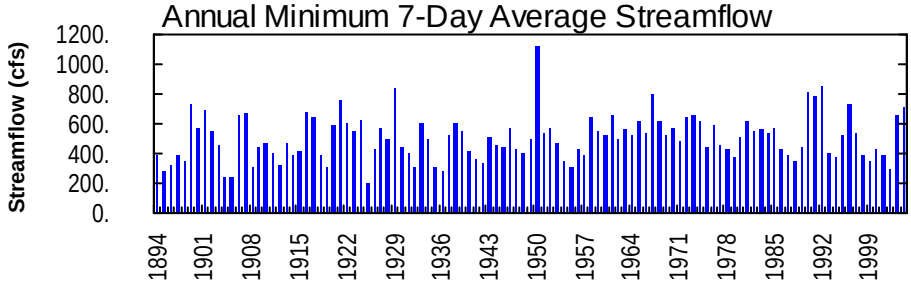
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1975 – 2004



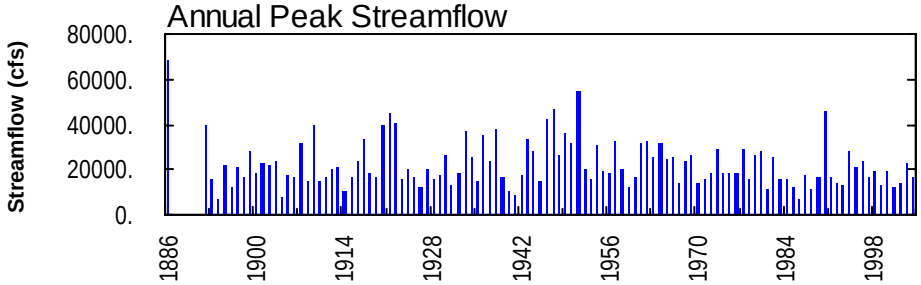
Annual Mean Streamflow

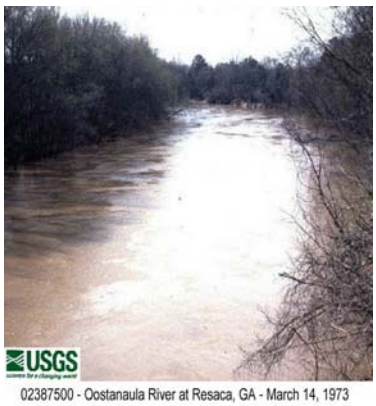


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02387500 - Oostanaula River at Resaca, GA - March 14, 1973

MOBILE RIVER BASIN
2004 Water Year

02387500 OOSTANAULA RIVER AT RESACA, GA

LOCATION.—Lat 34°34'42", long 84°56'29", referenced to North American Datum (NAD) of 1983, Gordon County, Hydrologic Unit 03150103, on downstream side of center pier of bridge on US 41 at Resaca, 200 feet downstream from Nashville, Chattanooga, & St. Louis Railway bridge, 0.8 miles upstream from Camp Creek, and 3.5 miles downstream from confluence of Conasauga and Coosawattee Rivers.

DRAINAGE AREA.—1,602 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1892 to current year. Monthly discharge only for October 1892, published in WSP 1304.

REVISED RECORDS.—WSP 697: 1896-1928. WSP 1504: 1897-1903, 1905-07, 1909, 1912-13, 1914-15(M), 1916-18, 1919(M), 1920-22. 1923(M), 1924, 1927, 1929-30, 1932, 1933(M), 1936(M), 1938(M), 1946- 47(M). WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 604.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Since June 1, 1979, an auxiliary water-stage recorder has been located at Calhoun waterworks intake 6.5 miles downstream. From October 28, 1948, to May 31, 1979, a non-recording auxiliary gage was located at GA 136 connector 7.1 miles downstream.

REMARKS.—Records good. Flow regulated by Carters Lake and re-regulation dam. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1834, 36.6 feet, April 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 cfs.

02387500 OOSTANAULA RIVER AT RESACA, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1892 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 604.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Since June 1, 1979, an auxiliary water-stage recorder has been located at Calhoun waterworks intake 6.5 miles downstream. From October 28, 1948, to May 31, 1979, a non-recording auxiliary gage was located at GA 136 connector 7.1 miles downstream.

REMARKS.—Records good. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.14 feet, September 20; minimum gage-height recorded, 2.27 feet, June 7, 8, September 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387500 OOSTANAULA RIVER AT RESACA, GA SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343437.6 LONGITUDE 0845630.67 NAD83 DRAINAGE AREA 1602.00 CONTRIBUTING DRAINAGE AREA 1602* DATUM 604.14 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1320	707	2480	2440	2060	2080	2510	2070	1300	3800	1420	803
2	1230	716	1900	2220	1490	2450	2090	2460	1050	4830	1100	746
3	1170	727	1620	2140	2040	3050	1880	3540	875	3580	1390	696
4	1160	690	1670	2020	2230	2910	1890	2540	818	2520	1900	684
5	1430	671	3300	2270	1980	2510	1520	1850	746	2000	2690	673
6	1030	794	3640	5570	5110	4530	1200	1500	703	1850	2670	674
7	1110	1110	2470	6870	11400	7760	1390	1300	649	3670	2020	1180
8	1380	1080	1990	4560	11400	8420	1670	1220	658	4430	857	3080
9	1510	976	1800	4290	10400	6360	1480	1120	675	3840	712	2090
10	1530	895	2820	3720	7230	3330	1160	1080	717	2620	700	1760
11	1590	884	5250	2980	5030	2830	1110	1490	2210	1810	731	1390
12	1540	862	5280	2650	5220	2550	1160	1560	1990	1510	740	1120
13	1430	857	3370	2540	6160	3120	1830	1740	858	1920	951	995
14	1410	871	2820	2400	4590	2640	2600	2810	680	1590	918	1590
15	1460	897	3100	2280	3620	2490	2400	2370	666	1490	795	2500
16	1840	868	2960	2230	5330	2270	2060	1200	796	1460	745	1790
17	1950	869	3200	2220	4610	2810	1630	1040	1450	1330	685	12400
18	2020	951	3720	2200	3560	2990	1380	2350	882	1560	1200	14500
19	2000	4230	3150	2300	3050	2960	1280	2400	829	1820	1780	14600
20	1920	5530	2680	2260	2810	2260	1530	2230	700	1630	1500	16300
21	1990	3490	2350	2230	2870	1920	1930	2170	735	1480	3460	14300
22	2060	1930	2120	2320	2680	1910	1890	1870	979	1510	2100	5070
23	1940	1500	2020	3230	2450	2250	1930	1290	1750	2430	1540	1990
24	1380	1350	2400	2810	2610	2200	1720	1180	2420	1670	1330	4200
25	842	1510	3000	3010	2610	2170	1330	1710	3830	1180	2150	4530
26	789	2060	2660	8110	3090	2130	1620	1750	5940	1720	1680	4400
27	759	2580	2420	7670	5060	2110	2700	1310	5800	3430	1050	4360
28	807	3520	2190	4890	4170	2080	2680	1160	3130	3000	864	3630
29	865	4230	2070	3390	2520	1970	2720	812	2340	1830	918	3140
30	882	3640	2280	3000	---	2030	3010	696	2450	1370	893	2660
31	767	---	2620	2710	---	2830	---	909	---	1330	842	---
TOTAL	43111	50995	85350	103530	127380	93920	55300	52727	48626	70210	42331	127851
MEAN	1391	1700	2753	3340	4392	3030	1843	1701	1621	2265	1366	4262
MAX	2060	5530	5280	8110	11400	8420	3010	3540	5940	4830	3460	16300
MIN	759	671	1620	2020	1490	1910	1110	696	649	1180	685	673
CFSM	0.87	1.06	1.72	2.08	2.74	1.89	1.15	1.06	1.01	1.41	0.85	2.66
IN.	1.00	1.18	1.98	2.40	2.96	2.18	1.28	1.22	1.13	1.63	0.98	2.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	1370	2005	2941	4288	4776	5509	4340	3004	2012	1763	1257	1268
MAX	5843	5560	8388	8517	15450	13530	10630	10330	6110	5764	3317	4262
(WY)	1990	1978	1983	1982	1990	1980	1977	2003	1989	2003	2003	2004
MIN	396	462	629	830	1435	1314	1060	751	397	452	511	449
(WY)	1979	1988	1988	1981	2000	1988	1986	1988	1988	1988	1986	1993

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	1407456		901331			
ANNUAL MEAN	3856		2463		2868	
HIGHEST ANNUAL MEAN					5056	1990
LOWEST ANNUAL MEAN					978	1988
HIGHEST DAILY MEAN	22100	May 10	16300	Sep 20	44400	Feb 18 1990
LOWEST DAILY MEAN	671	Nov 5	649	Jun 7	280	Aug 15 2002
ANNUAL SEVEN-DAY MINIMUM	725	Oct 31	709	Jun 4	292	Aug 9 2002
MAXIMUM PEAK FLOW			16600	Sep 20	45500	Feb 18 1990
MAXIMUM PEAK STAGE			21.14	Sep 20	32.59	Feb 18 1990
ANNUAL RUNOFF (CFSM)	2.41		1.54		1.79	
ANNUAL RUNOFF (INCHES)	32.68		20.93		24.33	
10 PERCENT EXCEEDS	8410		4410		6340	
50 PERCENT EXCEEDS	2820		2000		1790	
90 PERCENT EXCEEDS	1170		816		598	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387500 OOSTANAULA RIVER AT RESACA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343437.6 LONGITUDE 0845630.67 NAD83 DRAINAGE AREA 1602.00 CONTRIBUTING DRAINAGE AREA 1602* DATUM 604.14 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.75	2.47	5.56	5.51	4.94	4.98	5.60	4.96	3.73	7.28	3.92	2.69
2	3.59	2.49	4.71	5.19	4.06	5.52	5.00	5.44	3.22	8.50	3.34	2.56
3	3.48	2.52	4.27	5.07	4.93	6.33	4.68	6.96	2.86	7.00	3.88	2.44
4	3.46	2.43	4.36	4.89	5.21	6.15	4.70	5.64	2.73	5.62	4.70	2.41
5	3.96	2.38	6.63	5.25	4.84	5.61	4.11	4.63	2.56	4.86	5.85	2.39
6	3.19	2.67	7.07	9.31	8.74	8.07	3.52	4.08	2.46	4.63	5.82	2.39
7	3.34	3.35	5.54	10.89	16.35	12.04	3.88	3.73	2.33	7.12	4.87	3.33
8	3.86	3.28	4.85	8.18	16.34	12.88	4.36	3.56	2.35	8.04	2.81	6.37
9	4.11	3.08	4.56	7.87	15.27	10.34	4.04	3.38	2.39	7.32	2.48	4.99
10	4.15	2.90	5.97	7.18	11.36	6.69	3.45	3.29	2.49	5.75	2.45	4.49
11	4.25	2.88	8.96	6.24	8.72	6.04	3.35	4.07	5.15	4.58	2.53	3.89
12	4.17	2.83	8.99	5.80	8.93	5.66	3.44	4.17	4.83	4.09	2.55	3.36
13	3.97	2.82	6.74	5.65	9.96	6.43	4.58	4.46	2.80	4.74	3.02	3.12
14	3.93	2.85	6.03	5.44	8.21	5.79	5.73	6.01	2.40	4.23	2.95	4.21
15	4.02	2.91	6.40	5.28	7.05	5.58	5.45	5.39	2.37	4.07	2.67	5.59
16	4.73	2.84	6.22	5.21	9.06	5.27	4.96	3.51	2.67	4.02	2.56	4.34
17	4.90	2.84	6.53	5.18	8.23	6.01	4.28	3.19	3.96	3.78	2.42	17.21
18	5.02	3.02	7.18	5.16	6.98	6.26	3.88	5.38	2.87	4.14	3.51	19.29
19	4.98	7.81	6.46	5.31	6.34	6.21	3.69	5.44	2.75	4.58	4.52	19.38
20	4.84	9.27	5.83	5.25	6.01	5.24	4.13	5.21	2.45	4.29	4.06	20.86
21	4.96	6.87	5.37	5.20	6.10	4.74	4.77	5.12	2.53	4.05	6.86	19.38
22	5.09	4.76	5.05	5.33	5.84	4.73	4.70	4.66	3.08	4.09	5.00	9.08
23	4.88	4.08	4.89	6.56	5.52	5.23	4.76	3.70	4.44	5.49	4.13	4.84
24	3.85	3.82	5.44	6.00	5.74	5.16	4.43	3.49	5.46	4.33	3.78	7.76
25	2.78	4.09	6.26	6.16	5.75	5.12	3.79	4.42	7.29	3.48	5.08	8.15
26	2.66	4.96	5.82	12.48	6.37	5.06	4.26	4.48	9.71	4.43	4.36	8.01
27	2.59	5.70	5.48	11.92	8.76	5.02	5.86	3.74	9.56	6.81	3.23	7.95
28	2.70	6.93	5.15	8.55	7.73	4.99	5.83	3.45	6.40	6.26	2.83	7.07
29	2.83	7.80	4.97	6.78	5.61	4.82	5.90	2.71	5.36	4.60	2.94	6.45
30	2.87	7.08	5.27	6.27	---	4.90	6.27	2.44	5.51	3.85	2.90	5.81
31	2.61	---	5.75	5.88	---	6.04	---	2.92	---	3.77	2.78	---
MEAN	3.86	4.12	5.88	6.61	7.89	6.22	4.58	4.31	3.96	5.15	3.70	7.33
MAX	5.09	9.27	8.99	12.48	16.35	12.88	6.27	6.96	9.71	8.50	6.86	20.86
MIN	2.59	2.38	4.27	4.89	4.06	4.73	3.35	2.44	2.33	3.48	2.42	2.39

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387500 OOSTANAULA RIVER AT RESACA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343437.6 LONGITUDE 0845630.67 NAD83 DRAINAGE AREA 1602.00 CONTRIBUTING DRAINAGE AREA 1602* DATUM 604.14 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	2.24	0.12	0.00
2	0.00	0.00	0.00	0.00	0.27	0.37	0.00	1.14	0.00	0.40	0.00	0.00
3	0.00	0.00	0.12	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00
4	0.00	0.01	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
5	0.00	0.05	0.02	0.70	0.01	0.00	0.00	0.00	0.00	0.00	0.54	0.00
6	0.01	0.19	0.00	0.00	1.99	1.04	0.00	0.00	0.00	0.41	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	2.30
8	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
9	0.01	0.00	0.00	0.24	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
10	0.06	0.00	0.94	0.00	0.01	0.00	0.02	0.01	0.00	0.48	0.00	0.00
11	0.00	0.00	0.00	0.00	0.06	0.00	0.15	0.00	0.00	0.00	0.00	0.00
12	0.00	0.09	0.00	0.00	0.49	0.00	0.30	0.00	0.00	0.13	0.49	0.00
13	0.00	0.01	0.12	0.00	0.00	0.00	0.73	0.00	0.00	0.02	0.00	0.00
14	0.00	0.00	0.21	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00
15	0.00	0.00	0.00	0.00	0.68	0.12	0.00	0.00	0.42	0.00	0.00	0.00
16	0.00	0.00	0.30	0.00	0.00	0.20	0.00	0.00	0.11	0.00	0.00	3.47
17	0.04	0.01	0.12	0.05	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.50
18	0.00	2.71	0.02	0.19	0.00	0.00	0.00	0.25	0.03	0.00	0.00	0.00
19	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	3.29	0.00
21	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.30	0.00	0.23	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.25	0.00	0.00	0.00
23	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
24	0.00	0.32	0.01	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
25	0.00	0.00	0.00	1.80	0.08	0.00	0.24	0.00	0.91	1.11	0.81	0.00
26	0.01	0.00	0.00	0.00	0.39	0.00	0.90	0.00	0.01	0.96	0.00	0.00
27	0.24	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.03	0.00	0.06
28	0.00	0.24	0.00	0.02	0.00	0.00	0.00	0.00	0.17	0.00	0.21	0.00
29	0.00	0.00	0.19	0.00	0.00	0.04	0.00	0.01	0.01	0.00	0.01	0.00
30	0.00	0.00	0.25	0.00	---	0.98	0.20	0.20	0.55	0.00	0.00	0.00
31	0.00	---	0.01	0.00	---	0.24	---	0.84	---	1.57	0.00	---
TOTAL	0.43	4.55	3.17	3.01	4.01	3.03	2.55	3.28	3.64	7.45	5.70	6.34

MOBILE RIVER BASIN
2004 Water Year

02387520 OOSTANAULA RIVER AT CALHOUN, GA

LOCATION.—Lat 34°31'08", long 84°57'16", referenced to North American Datum (NAD) of 1983, Gordon County, Hydrologic Unit 03150103, 6.5 miles downstream of base gage, 5.5 miles below confluence of Coosawattee River and Conasauga River.

DRAINAGE AREA.—1,624 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1892 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 604.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good. Station is auxiliary gage for 02387500 Oostanaula River at Resaca.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.55 feet, September 20; minimum gage-height recorded, 3.24 feet, September 5-7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 15, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387520 OOSTANAULA RIVER AT CALHOUN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343108 LONGITUDE 0845716 NAD83 DRAINAGE AREA 1624.00 CONTRIBUTING DRAINAGE AREA 1624* DATUM 620.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.44	3.49	6.38	6.26	5.82	5.76	6.46	6.06	4.49	8.04	4.72	3.48
2	4.41	3.46	5.51	5.92	4.85	6.25	5.80	6.37	4.07	9.70	4.11	3.36
3	4.24	3.44	5.02	5.79	5.63	7.12	5.43	8.09	3.70	8.12	4.48	3.26
4	4.21	3.41	5.06	5.61	6.00	7.07	5.46	6.61	3.56	6.51	5.23	3.25
5	4.70	3.39	7.24	5.90	5.61	6.44	4.96	5.49	3.46	5.64	6.48	3.25
6	3.99	3.48	8.03	10.19	9.91	8.77	4.31	4.91	3.42	5.25	6.50	3.24
7	4.09	4.08	6.37	12.25	18.16	13.51	4.59	4.53	3.40	7.70	5.75	4.05
8	4.52	4.05	5.61	9.41	18.33	14.49	5.06	4.37	3.38	8.90	3.72	7.30
9	4.82	3.85	5.29	8.83	17.17	12.40	4.87	4.19	3.37	8.36	3.33	5.82
10	4.86	3.69	6.65	8.16	13.33	7.81	4.26	4.09	3.36	6.65	3.32	5.24
11	4.96	3.65	10.04	7.05	10.01	6.96	4.13	4.73	5.54	5.39	3.32	4.68
12	4.91	3.61	10.22	6.57	10.20	6.48	4.22	4.91	5.75	4.78	3.34	4.14
13	4.72	3.59	7.73	6.41	11.42	7.24	5.24	5.09	3.80	5.46	3.71	3.86
14	4.65	3.62	6.85	6.19	9.64	6.63	6.44	6.66	3.40	4.96	3.75	4.74
15	4.72	3.68	7.18	6.02	8.07	6.41	6.26	6.29	3.39	4.78	3.47	6.20
16	5.32	3.62	7.05	5.93	10.23	6.06	5.73	4.45	3.47	4.75	3.35	5.20
17	5.60	3.62	7.33	5.91	9.59	6.76	5.12	3.91	4.68	4.50	3.27	18.50
18	5.72	3.88	8.10	5.88	8.06	7.04	4.66	5.96	3.70	4.68	4.05	21.01
19	5.69	8.73	7.34	6.04	7.28	7.04	4.46	6.20	3.59	5.36	5.16	20.96
20	5.55	10.56	6.63	5.98	6.87	6.14	4.80	5.96	3.34	5.00	4.78	22.19
21	5.66	7.99	6.13	5.92	6.93	5.52	5.46	5.87	3.38	4.76	7.57	21.61
22	5.80	5.60	5.79	6.00	6.69	5.46	5.42	5.50	3.84	4.71	5.86	11.97
23	5.61	4.84	5.63	7.26	6.33	5.94	5.49	4.53	4.96	6.09	4.93	5.58
24	4.70	4.58	6.12	6.84	6.50	5.93	5.24	4.24	6.06	5.21	4.48	8.14
25	3.61	4.79	7.01	7.07	6.54	5.86	4.57	5.07	7.84	4.23	5.69	8.99
26	3.52	5.61	6.60	14.21	7.00	5.80	4.98	5.23	10.78	5.02	5.26	8.83
27	3.52	6.41	6.22	13.74	9.80	5.77	6.56	4.58	10.81	7.37	4.08	8.79
28	3.52	7.73	5.89	10.00	8.93	5.72	6.62	4.25	7.66	7.16	3.63	7.92
29	3.60	8.74	5.69	7.77	6.62	5.59	6.59	3.69	6.09	5.45	3.67	7.16
30	3.65	8.07	5.97	7.15	---	5.59	7.08	3.48	6.18	4.61	3.70	6.51
31	3.53	---	6.48	6.72	---	6.78	---	3.67	---	4.46	3.56	---
MEAN	4.61	4.98	6.68	7.52	9.02	7.11	5.34	5.13	4.82	5.92	4.46	8.31
MAX	5.80	10.56	10.22	14.21	18.33	14.49	7.08	8.09	10.81	9.70	7.57	22.19
MIN	3.52	3.39	5.02	5.61	4.85	5.46	4.13	3.48	3.34	4.23	3.27	3.24

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387520 OOSTANAULA RIVER AT CALHOUN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343108 LONGITUDE 0845716 NAD83 DRAINAGE AREA 1624.00 CONTRIBUTING DRAINAGE AREA 1624* DATUM 620.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.81	0.08	0.00
2	0.00	0.00	0.00	0.00	0.25	0.46	0.00	1.73	0.00	0.67	0.00	0.00
3	0.00	0.00	0.18	0.00	0.02	0.01	0.00	0.01	0.00	0.01	0.00	0.00
4	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
5	0.00	0.29	0.01	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
6	0.00	0.20	0.00	0.00	1.78	0.86	0.00	0.00	0.00	0.66	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	2.97
8	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
9	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00
10	0.04	0.00	0.94	0.00	0.02	0.00	0.01	0.00	0.66	0.11	0.00	0.00
11	0.00	0.00	0.00	0.00	0.10	0.00	0.16	0.00	0.00	0.00	0.00	0.00
12	0.00	0.11	0.00	0.00	0.50	0.00	0.51	0.00	0.00	0.04	0.51	0.00
13	0.00	0.01	0.21	0.00	0.00	0.00	0.91	0.00	0.54	0.00	0.00	0.00
14	0.00	0.00	0.14	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.60	0.05	0.00	0.00	0.32	0.00	0.00	0.00
16	0.00	0.00	0.37	0.00	0.00	0.36	0.00	0.00	0.16	0.00	0.00	3.47
17	0.02	0.00	0.08	0.10	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.36
18	0.00	2.98	0.00	0.19	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
19	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	1.77	0.00
21	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.50	0.00	0.10	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
23	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00
24	0.00	0.26	0.01	0.01	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
25	0.00	0.00	0.00	1.85	0.07	0.00	0.35	0.00	0.43	0.81	1.57	0.00
26	0.03	0.00	0.00	0.00	0.53	0.00	1.30	0.00	0.00	0.83	0.00	0.00
27	0.21	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.08	0.00	0.07
28	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.47	0.00
29	0.00	0.00	0.33	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.01	0.00
30	0.00	0.00	0.06	0.00	---	0.78	0.06	0.08	0.44	0.02	0.00	0.00
31	0.00	---	0.00	0.00	---	0.19	---	1.00	---	0.48	0.00	---
TOTAL	0.30	5.05	3.09	3.10	3.88	2.94	3.30	4.85	4.87	4.63	4.52	6.90

MOBILE RIVER BASIN
2004 Water Year

02388010 ARMUCHEE CREEK ABOVE REGAL SPRING, NEAR ARMUCHEE, GA

LOCATION.—Lat 34°29'16", long 85°10'31", referenced to North American Datum (NAD) of 1927, Chattooga County, Hydrologic Unit 03150103, 0.30 miles downstream of the confluence of East and West Armuchee Creeks, 0.10 miles upstream of Regal Spring, 2.7 miles north of Dry Creek Road, 8.3 miles north of GA 156.

DRAINAGE AREA.—99.5 square miles.

COOPERATION.—Chattooga County Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—February 12, 2002 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 660.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1, effective October 1, 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/09/03	4.21	21.2
12/02/03	4.46	40.6
04/26/04	4.50	50.7
06/29/04	4.39	39.8

MOBILE RIVER BASIN
2004 Water Year

02388011 REGAL SPRING NEAR ARMUCHEE, GA

LOCATION.—Lat 34°29'13", long 85°10'29", referenced to North American Datum (NAD) of 1927, Chattooga County, Hydrologic Unit 03150103, 0.30 miles downstream of the confluence of East and West Armuchee Creeks, 2.7 miles north of Dry Creek Road, 8.3 miles north of GA 156.

DRAINAGE AREA.—Indeterminant.

COOPERATION.—Chattooga County Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—February 12, 2002 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 650.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1 is effective from October 1, 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/09/03	2.42	21.4
12/02/03	2.65	19.9
04/26/04	2.72	21.9
06/29/04	2.60	20.2

02388012 ARMUCHEE CREEK BELOW REGAL SPRING, NEAR ARMUCHEE, GA

LOCATION.—Lat 34°29'10", long 85°10'32", referenced to North American Datum (NAD) of 1927, Chattooga County, Hydrologic Unit 03150103, 0.40 miles downstream of the confluence of East and West Armuchee Creeks, 0.10 miles downstream of Regal Spring, 2.7 miles north of Dry Creek Road, 8.3 miles north of GA 156.

DRAINAGE AREA.—99.5 square miles.

COOPERATION.—Chattooga County Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—February 12, 2002 to current year.

GAGE.--Standard USGS vertical staff gage. Datum of gage 660.00 feet (revised) above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1 is effective from October 1, 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/09/03	0.59	48.2
12/02/03	0.82	61.6
04/26/04	0.88	72.5
06/29/04	0.76	59.6

2004 Water Year

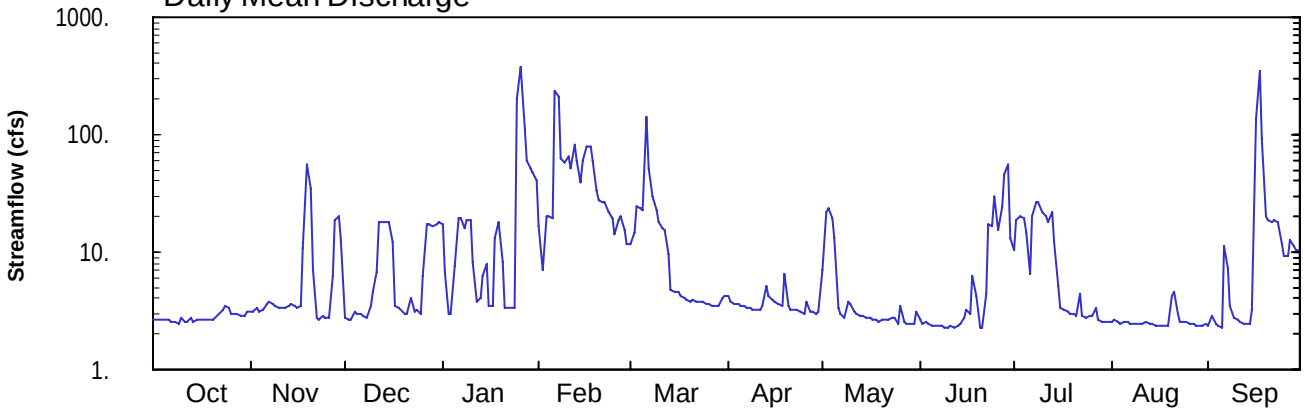
MOBILE RIVER BASIN

02388320 HEATH CREEK NEAR ARMUCHEE, GA

Latitude: 34°22'18" Longitude: 085°15'50" Hydrologic Unit Code: 03150103

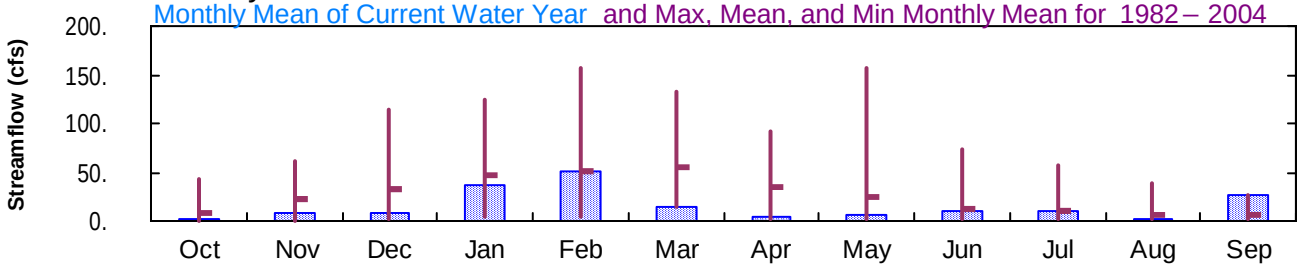
Floyd County Datum: 637.01 feet Drainage Area: 16.6 mi²

Daily Mean Discharge

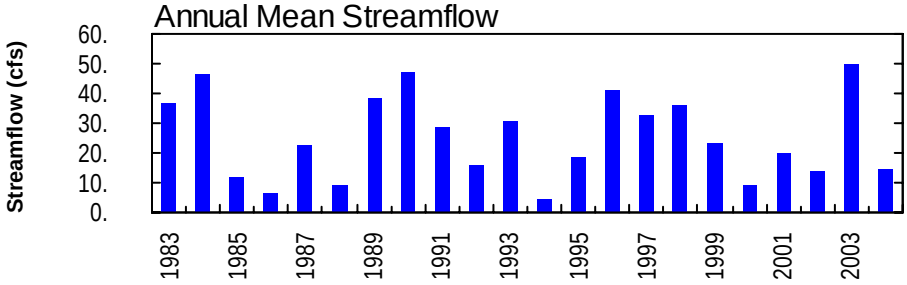


Monthly Statistics

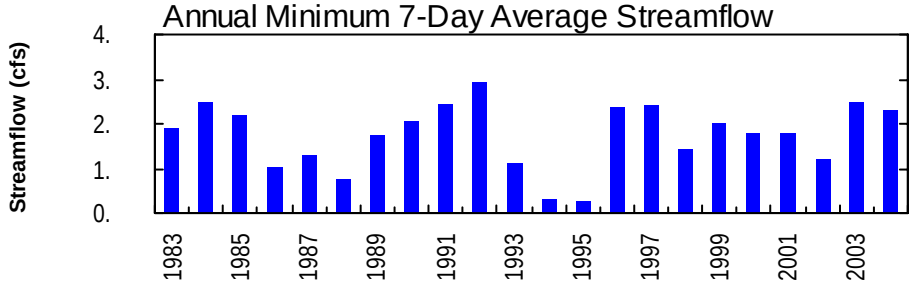
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1982 – 2004



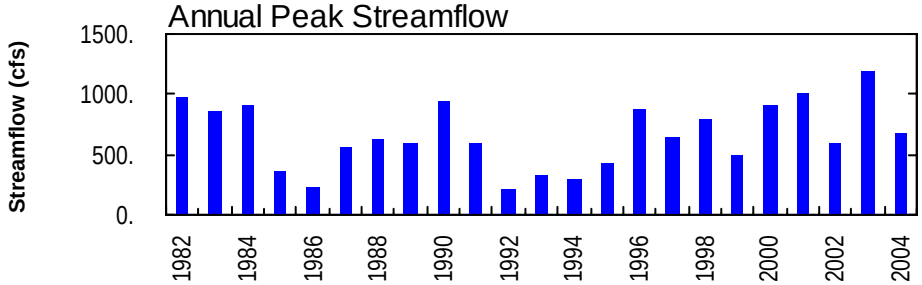
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02388320 HEATH CREEK NEAR ARMUCHEE, GA

LOCATION.—Lat 34°22'18", long 85°15'50", referenced to North American Datum (NAD) of 1983, Floyd County, Hydrologic Unit 03150103, on right bank, 3.4 miles upstream from Little Armuchee Creek, 5.2 miles west of Armuchee, and 9.7 miles northwest of Rome.

DRAINAGE AREA.—16.6 square miles.

COOPERATION.—Oglethorpe Power Corporation.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.—March 1982 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 637.01 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Power Company).

REMARKS.—Records fair. Peak flow regulated by Oglethorpe Power Corporation since November 1991.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1982 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 637.01 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Power Company).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.82 feet, September 16; minimum gage-height recorded, 1.17 feet, September 4,5.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388320 HEATH CREEK NEAR ARMUCHEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 342218 LONGITUDE 0851550 NAD83 DRAINAGE AREA 16.60 CONTRIBUTING DRAINAGE AREA 16.60* DATUM 637.01 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.1	2.8	17	17	12	4.2	7.0	2.7	11	2.6	e2.4
2	2.7	3.1	2.7	6.7	7.1	15	3.8	21	2.5	19	2.7	2.9
3	2.7	3.4	2.7	3.0	20	25	3.7	23	2.5	20	2.6	2.4
4	2.7	3.2	3.1	2.9	20	23	3.6	20	2.4	19	2.5	2.3
5	2.6	3.3	3.0	7.6	19	22	3.5	13	2.4	15	2.5	2.3
6	2.6	3.6	2.9	19	238	142	3.4	3.3	2.4	6.4	2.6	11
7	2.6	3.8	2.8	19	206	52	3.4	3.0	2.3	20	2.5	7.3
8	2.6	3.6	2.8	16	64	30	3.4	2.8	2.3	27	2.4	3.4
9	e2.5	3.5	3.5	19	59	22	3.2	3.8	2.3	26	2.5	2.7
10	e2.7	3.3	4.6	18	66	18	3.2	3.6	2.3	22	2.4	2.7
11	e2.5	3.3	6.8	8.2	51	16	3.3	3.1	2.3	20	2.4	2.5
12	e2.5	3.4	18	3.8	81	15	3.4	3.0	2.3	18	2.6	2.4
13	e2.7	3.5	18	4.1	59	9.6	5.1	2.9	2.3	22	2.5	2.5
14	e2.6	3.6	18	6.1	40	4.7	4.2	2.8	2.4	12	2.4	2.5
15	2.7	3.5	18	8.0	61	4.6	3.9	2.8	2.8	5.1	2.4	3.2
16	2.6	3.4	12	3.5	79	4.6	3.8	2.8	3.2	3.3	2.4	139
17	2.6	3.4	3.5	3.4	79	4.3	3.6	2.7	3.0	3.2	2.4	350
18	2.7	11	3.3	13	60	4.1	3.5	2.6	6.3	3.2	2.4	94
19	2.7	56	3.2	18	33	4.0	6.4	2.6	4.3	3.0	2.3	21
20	2.6	35	3.0	8.1	28	3.8	3.5	2.7	2.3	2.9	4.3	19
21	2.7	7.0	2.9	3.4	27	3.9	3.2	2.7	2.3	2.9	e4.5	18
22	2.9	2.7	4.0	3.3	26	3.8	3.2	e2.7	4.4	4.4	3.0	18
23	3.2	2.6	3.0	3.3	22	3.8	3.2	e2.8	18	2.9	2.6	18
24	3.5	2.8	3.2	3.3	20	3.7	3.0	e2.7	17	2.7	e2.6	12
25	3.3	2.8	2.9	201	14	3.6	3.0	2.5	30	2.8	e2.6	9.2
26	3.0	2.8	6.2	377	19	3.6	3.8	3.5	16	2.9	e2.5	9.2
27	3.0	6.3	17	112	20	3.5	3.1	e2.6	25	3.3	e2.5	13
28	2.9	19	17	61	15	3.5	3.1	e2.5	46	2.6	e2.4	11
29	2.9	20	17	51	11	3.5	3.0	2.4	55	2.5	e2.4	11
30	2.9	13	17	48	---	4.2	3.1	2.5	13	2.5	e2.4	11
31	3.1	---	18	41	---	4.2	---	3.1	---	2.5	e2.5	---
TOTAL	85.9	239.0	242.9	1108.7	1461.1	473.0	107.8	158.5	282.0	310.1	81.4	805.9
MEAN	2.77	7.97	7.84	35.8	50.4	15.3	3.59	5.11	9.40	10.0	2.63	26.9
MAX	3.5	56	18	377	238	142	6.4	23	55	27	4.5	350
MIN	2.5	2.6	2.7	2.9	7.1	3.5	3.0	2.4	2.3	2.5	2.3	2.3
CFSM	0.17	0.48	0.47	2.15	3.04	0.92	0.22	0.31	0.57	0.60	0.16	1.62
IN.	0.19	0.54	0.54	2.48	3.27	1.06	0.24	0.36	0.63	0.69	0.18	1.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	8.33	21.9	31.9	47.1	50.4	54.5	34.6	24.6	12.0	10.8	5.97	6.18
MAX	42.5	60.9	115	125	157	132	91.3	157	73.3	58.1	39.1	26.9
(WY)	1998	1990	1984	1996	1990	1990	1998	2003	1989	2003	1984	2004
MIN	0.93	0.73	1.31	3.49	3.62	14.0	2.72	1.78	1.39	1.52	1.26	1.24
(WY)	1994	1994	1994	2000	2000	1994	1995	1995	1988	1988	1988	1993

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	14157.0		5356.3			
ANNUAL MEAN	38.8		14.6		25.5	
HIGHEST ANNUAL MEAN					50.0	2003
LOWEST ANNUAL MEAN					4.36	1994
HIGHEST DAILY MEAN	759	May 7	377	Jan 26	762	Feb 16 1990
LOWEST DAILY MEAN	2.5	Oct 9	2.3	Jun 7 a	0.19	Nov 4 1994
ANNUAL SEVEN-DAY MINIMUM	2.6	Oct 6	2.3	Jun 7	0.27	Nov 3 1994
MAXIMUM PEAK FLOW			673	Sep 16	1180	May 6 2003
MAXIMUM PEAK STAGE			6.82	Sep 16	8.66	May 6 2003
ANNUAL RUNOFF (CFSM)	2.34		0.882		1.53	
ANNUAL RUNOFF (INCHES)	31.73		12.00		20.85	
10 PERCENT EXCEEDS	83		26		60	
50 PERCENT EXCEEDS	13		3.5		6.2	
90 PERCENT EXCEEDS	2.8		2.5		2.0	

e Estimated
a Also Jun 8-13,20,21, Aug 19, Sep 4,5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388320 HEATH CREEK NEAR ARMUCHEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 342218 LONGITUDE 0851550 NAD83 DRAINAGE AREA 16.60 CONTRIBUTING DRAINAGE AREA 16.60* DATUM 637.01 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.33	1.36	1.31	1.82	1.77	1.65	1.37	1.47	1.28	1.55	1.20	---
2	1.33	1.36	1.31	1.45	1.48	1.73	1.35	1.90	1.27	1.77	1.21	1.21
3	1.34	1.38	1.31	1.33	1.86	1.96	1.34	1.93	1.27	1.81	1.20	1.19
4	1.34	1.36	1.33	1.32	1.86	1.93	1.34	1.86	1.27	1.80	1.19	1.18
5	1.33	1.37	1.33	1.49	1.85	1.91	1.33	1.68	1.26	1.68	1.20	1.18
6	1.33	1.39	1.32	1.86	4.08	3.32	1.33	1.32	1.26	1.37	1.20	1.51
7	1.33	1.40	1.31	1.86	3.96	2.38	1.33	1.31	1.26	1.80	1.19	1.39
8	1.33	1.39	1.31	1.78	2.51	2.08	1.33	1.29	1.26	1.96	1.19	1.25
9	---	1.38	1.35	1.85	2.45	1.91	1.32	1.34	1.26	1.95	1.19	1.21
10	---	1.37	1.41	1.85	2.55	1.82	1.32	1.34	1.26	1.86	1.19	1.20
11	---	1.37	1.47	1.51	2.37	1.78	1.32	1.31	1.26	1.82	1.19	1.19
12	---	1.38	1.83	1.37	2.73	1.75	1.33	1.31	1.26	1.74	1.20	1.19
13	---	1.38	1.83	1.38	2.46	1.57	1.42	1.30	1.26	1.85	1.19	1.19
14	---	1.39	1.83	1.46	2.21	1.40	1.37	1.29	1.27	1.59	1.19	1.19
15	1.33	1.38	1.83	1.52	2.49	1.39	1.36	1.29	1.29	1.33	1.18	1.22
16	1.33	1.38	1.65	1.35	2.72	1.39	1.35	1.29	1.31	1.25	1.18	2.86
17	1.33	1.38	1.36	1.35	2.72	1.37	1.34	1.29	1.30	1.24	1.18	5.01
18	1.33	1.55	1.35	1.68	2.48	1.36	1.33	1.28	1.41	1.24	1.18	2.86
19	1.34	2.44	1.34	1.83	2.08	1.36	1.45	1.28	1.33	1.23	1.18	1.82
20	1.33	2.10	1.32	1.51	2.03	1.35	1.33	1.28	1.26	1.22	1.27	1.78
21	1.34	1.47	1.32	1.35	2.00	1.35	1.32	1.28	1.26	1.22	---	1.77
22	1.35	1.31	1.37	1.34	2.00	1.35	1.32	---	1.33	1.29	1.22	1.78
23	1.37	1.30	1.33	1.35	1.91	1.35	1.32	---	1.81	1.22	1.20	1.77
24	1.38	1.32	1.34	1.34	1.85	1.35	1.31	---	1.79	1.21	---	1.58
25	1.37	1.31	1.32	3.51	1.73	1.34	1.31	1.27	2.04	1.21	---	1.51
26	1.36	1.31	1.44	5.28	1.83	1.34	1.35	1.33	1.68	1.22	---	1.51
27	1.35	1.44	1.82	3.04	1.86	1.34	1.31	---	1.90	1.24	---	1.61
28	1.35	1.85	1.81	2.50	1.75	1.34	1.31	---	2.27	1.20	---	1.57
29	1.35	1.87	1.81	2.38	1.65	1.33	1.31	1.27	2.40	1.20	---	1.55
30	1.35	1.68	1.82	2.34	---	1.37	1.31	1.27	1.61	1.19	---	1.55
31	1.36	---	1.83	2.23	---	1.37	---	1.31	---	1.19	---	---
MEAN	---	1.48	1.49	1.88	2.25	1.62	1.34	---	1.46	1.47	---	---
MAX	---	2.44	1.83	5.28	4.08	3.32	1.45	---	2.40	1.96	---	---
MIN	---	1.30	1.31	1.32	1.48	1.33	1.31	---	1.26	1.19	---	---

2004 Water Year

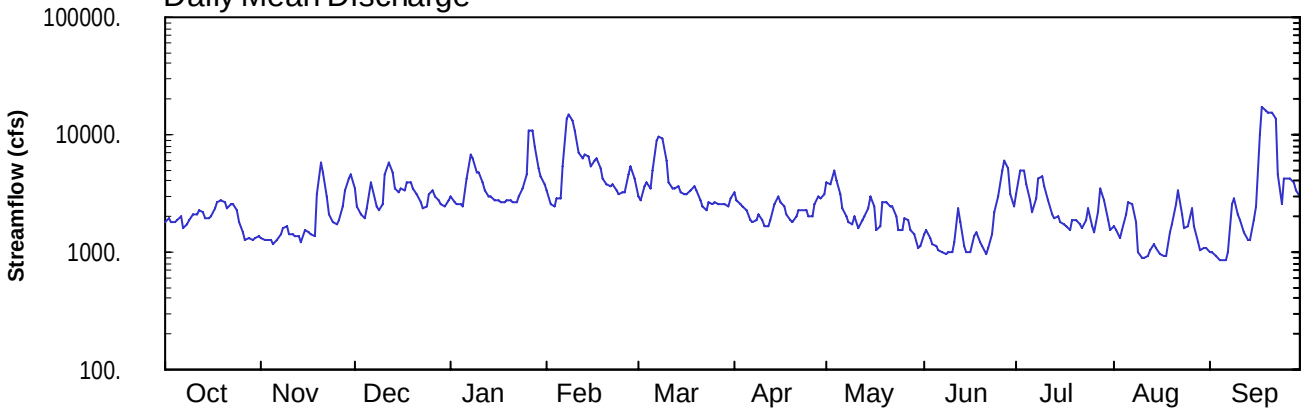
MOBILE RIVER BASIN

02388500 OOSTANAULA RIVER NEAR ROME, GA

Latitude: 34°17'54" Longitude: 085°08'17" Hydrologic Unit Code: 03150103

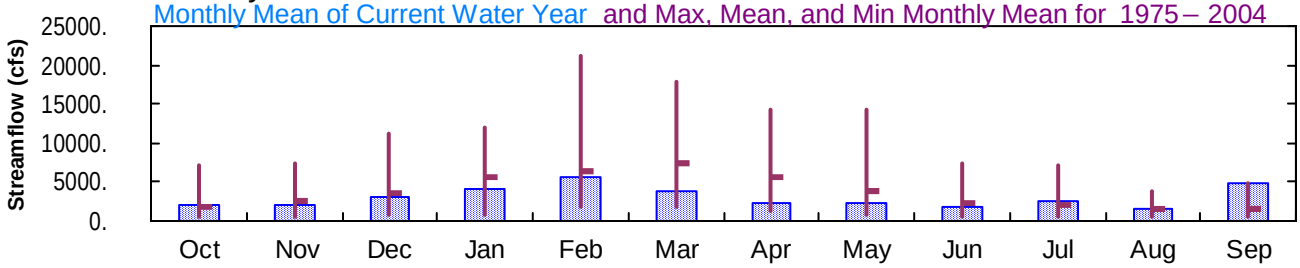
Floyd County Datum: 561.70 feet Drainage Area: 2115. mi²

Daily Mean Discharge

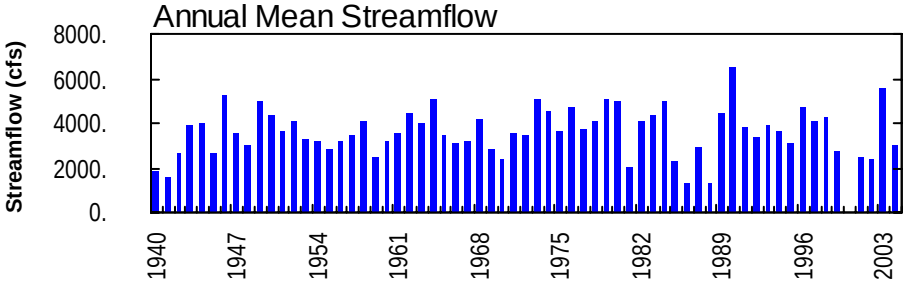


Monthly Statistics

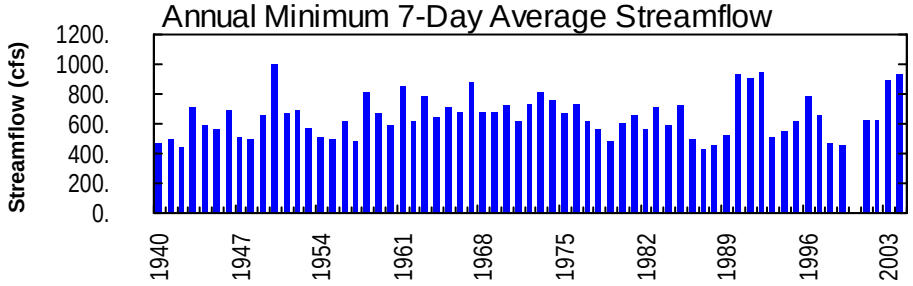
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1975 – 2004



Annual Mean Streamflow

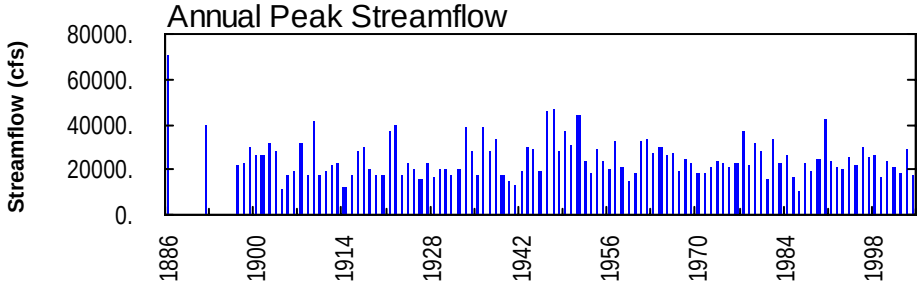


Annual Minimum 7-Day Average Streamflow



02388500 - Oostanaula River near Rome, GA - March 13, 1973

Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02388500 OOSTANAULA RIVER NEAR ROME, GA

LOCATION.—Lat 34°18'02", long 85°08'30", referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150103, on left bank 1.2 miles upstream from Dry Creek, 4.5 miles north of Rome, 4.5 miles upstream from confluence with Etowah River, and 6.5 miles downstream from Armuchee Creek.

DRAINAGE AREA.—2,115 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1939 to current year. Gage-height records collected at site 4.2 miles downstream since 1890 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 561.70 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1939, to December 7, 1950, water-stage recorder was located at site 3.2 miles downstream at same datum. Since May 24, 1979, auxillary water-stage recorder has been located at US 27 (Turner-McCall Boulevard) at same datum as previous location. From October 1, 1939 to May 24, 1979, the auxiliary water-stage recorder was located at Fifth Avenue Bridge, 4.2 miles downstream. Non-recording gage was located at site of auxiliary gage used as base gage for records published as Coosa River at Rome, January 1, 1897, to December 31, 1903.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor. Flow regulated by Carters Lake and Carters Re-regulation Dam since 1975. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1834, 40.3 feet in April 1886, at site of present auxiliary gage, from information by Georgia Department of Archives.

02388500 OOSTANAULA RIVER NEAR ROME, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1939 to current year. Gage-height records collected at site 4.2 miles downstream since 1890 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 561.70 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1939, to December 7, 1950, water-stage recorder was located at site 3.2 miles downstream at same datum. Since May 24, 1979, auxillary water-stage recorder has been located at US 27 (Turner-McCall Boulevard) at same datum as previous location. From October 1, 1939 to May 24, 1979, the auxiliary water-stage recorder was located at Fifth Avenue Bridge, 4.2 miles downstream. Non-recording gage was located at site of auxiliary gage used as base gage for records published as Coosa River at Rome, January 1, 1897, to December 31, 1903.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.97 feet, September 18; minimum gage-height recorded, 4.43 feet, September 5, 6.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388500 OOSTANAULA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341754.0 LONGITUDE 0850817 NAD27 DRAINAGE AREA 2115.00 CONTRIBUTING DRAINAGE AREA 2115* DATUM 561.70 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1820	1340	3430	2950	3410	2950	3220	3990	1420	3050	1630	1010
2	1930	1240	2500	2660	2590	2790	2790	3730	1520	4990	1530	993
3	1830	1270	2060	2540	2410	3580	2570	5020	1320	4950	1300	940
4	1790	1250	1930	2580	2870	3960	2450	4140	1190	3820	1570	867
5	1860	1170	2340	2500	2830	3540	2310	3090	1110	2790	2140	844
6	2000	1250	3850	4180	5360	4890	1840	2400	1050	2160	2640	852
7	1600	1400	3370	6780	13800	8800	1830	2030	981	2830	2570	1010
8	1700	1600	2470	6310	14800	9500	1900	1780	955	4290	1800	2560
9	1890	1640	2260	4710	13000	9400	2080	1700	986	4440	991	2870
10	2060	1420	2550	4720	10900	5990	1900	1990	1000	3600	902	2110
11	2100	1440	4640	3930	7070	3990	1680	1610	1200	2770	899	1900
12	2260	1360	5700	3300	6230	3540	1650	1900	2330	2090	914	1490
13	2170	1370	4730	3000	6830	3540	1850	1980	1830	1970	1030	1290
14	1920	1210	3510	2950	6560	3670	2520	2320	1120	2020	1180	1260
15	1930	1530	3210	2760	5370	3280	3010	2970	992	1780	1070	1890
16	1990	1460	3420	2720	6110	3160	2680	2420	1000	1720	949	2430
17	2370	1410	3390	2680	6380	3060	2470	1530	1350	1660	924	9970
18	2610	1390	3940	2680	5110	3410	2080	1670	1490	1540	929	17400
19	2720	3140	3850	2760	4280	3570	1890	2680	1200	1860	1450	15800
20	2650	5810	3500	2720	3830	3360	1770	2610	1100	1870	1720	15100
21	2400	4810	3090	2610	3690	2720	2050	2450	975	1720	2570	15600
22	2510	2970	2640	2630	3730	2450	2260	2410	1080	1610	3300	13600
23	2530	2060	2370	2950	3360	2310	2310	2020	1410	1840	2100	4630
24	2310	1780	2490	3510	3120	2670	2280	1530	2170	2340	1620	2520
25	1830	1750	3100	4640	3250	2580	2000	1540	3010	1680	1680	4200
26	1450	1870	3300	11000	3280	2640	2020	1970	4880	1480	2340	4270
27	e1290	2430	2930	10700	4520	2580	2580	1880	5920	2180	1660	4170
28	e1310	3310	2800	7890	5290	2540	3010	1550	5170	3450	1190	3980
29	1270	4310	2520	5080	4220	2510	2890	1400	3090	2710	1030	3360
30	1340	4560	2480	4320	---	2490	3110	1090	2460	1870	1090	2990
31	1380	---	2730	3840	---	2820	---	1150	---	1530	1060	---
TOTAL	60820	63550	97100	128600	164200	118290	69000	70550	55309	78610	47778	141906
MEAN	1962	2118	3132	4148	5662	3816	2300	2276	1844	2536	1541	4730
MAX	2720	5810	5700	11000	14800	9500	3220	5020	5920	4990	3300	17400
MIN	1270	1170	1930	2500	2410	2310	1650	1090	955	1480	899	844
CFSM	0.93	1.00	1.48	1.96	2.68	1.80	1.09	1.08	0.87	1.20	0.73	2.24
IN.	1.07	1.12	1.71	2.26	2.89	2.08	1.21	1.24	0.97	1.38	0.84	2.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	1687	2478	3664	5569	6315	7347	5653	3757	2347	2091	1479	1492
MAX	7212	7437	11120	12030	21170	17900	14380	14290	7410	7073	3926	4730
(WY)	1990	1978	1983	1982	1990	1980	1977	2003	1989	2003	1984	2004
MIN	476	549	758	868	1736	1814	1217	797	544	584	592	528
(WY)	1999	1988	2000	1981	2000	1988	1986	1986	1988	1988	1986	1998

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	1860460		1095713			
ANNUAL MEAN	5097		2994		3644	
HIGHEST ANNUAL MEAN					6472	1990
LOWEST ANNUAL MEAN					1301	1988
HIGHEST DAILY MEAN	28300	May 8	17400	Sep 18	42300	Feb 20 1990
LOWEST DAILY MEAN	1110	Sep 20	844	Sep 5	390	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	1170	Sep 15	931	Sep 1	428	Oct 3 1986
MAXIMUM PEAK FLOW			18000	Sep 18	42600	Feb 20 1990
MAXIMUM PEAK STAGE			22.97	Sep 18	36.47	Mar 18 1990
ANNUAL RUNOFF (CFSM)	2.41		1.42		1.72	
ANNUAL RUNOFF (INCHES)	32.72		19.27		23.41	
10 PERCENT EXCEEDS	10700		4960		8260	
50 PERCENT EXCEEDS	3480		2460		2110	
90 PERCENT EXCEEDS	1610		1190		708	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388500 OOSTANAULA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341754.0 LONGITUDE 0850817 NAD27 DRAINAGE AREA 2115.00 CONTRIBUTING DRAINAGE AREA 2115* DATUM 561.70 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.18	5.60	8.90	8.78	8.79	8.14	8.81	9.34	5.85	9.25	6.03	5.12
2	6.27	4.67	8.63	8.16	7.57	8.25	8.23	9.04	6.43	11.24	5.85	5.13
3	6.12	4.75	7.72	8.25	7.50	9.26	7.60	10.59	5.73	11.76	5.87	4.99
4	5.98	5.73	7.60	7.41	8.11	9.49	7.22	9.56	5.25	9.26	6.33	4.54
5	5.77	6.00	8.35	7.44	7.98	8.95	7.14	8.15	5.27	7.86	7.25	4.49
6	5.99	5.93	10.38	10.33	11.25	10.55	6.98	7.17	4.78	7.64	7.83	4.55
7	5.97	6.35	9.42	12.82	20.74	14.61	6.47	6.55	4.65	9.14	7.68	4.91
8	5.97	6.26	8.36	12.65	20.39	15.31	6.76	6.30	5.01	10.50	6.30	7.81
9	6.61	5.40	7.89	10.85	18.83	15.27	7.09	6.23	5.33	10.74	5.00	8.86
10	6.89	5.26	7.96	10.45	17.43	11.94	6.42	6.79	5.38	9.54	4.92	7.61
11	6.74	6.11	10.77	9.39	13.58	9.92	5.97	6.53	5.63	7.82	4.94	6.48
12	6.41	6.22	12.07	8.65	13.06	9.16	5.96	6.87	7.75	6.80	5.11	6.33
13	6.44	6.41	11.12	8.71	14.40	9.00	7.07	6.70	6.88	7.31	6.24	5.53
14	6.71	6.48	9.77	8.18	13.74	8.92	8.74	7.39	4.94	7.23	5.79	5.90
15	6.70	5.97	9.36	8.01	11.96	8.44	8.33	8.36	4.68	6.85	4.98	6.97
16	6.93	5.36	9.77	7.85	13.08	8.30	7.92	7.14	5.21	6.44	4.73	8.35
17	7.45	4.99	9.52	7.55	13.58	8.40	7.29	5.70	5.83	6.17	5.05	17.23
18	7.24	5.81	10.30	7.54	12.22	8.84	6.65	6.54	6.66	5.89	5.16	22.50
19	7.10	9.74	10.16	7.66	10.89	8.92	6.32	7.63	6.02	6.69	6.19	21.07
20	7.01	12.76	9.04	7.67	10.09	8.56	6.37	7.62	4.90	6.68	6.64	20.54
21	7.44	12.12	8.13	7.83	9.74	7.61	6.76	7.50	4.64	6.52	7.47	20.93
22	7.69	10.39	7.78	7.49	9.06	7.26	7.18	7.28	5.42	6.44	8.56	19.18
23	7.79	8.98	8.31	7.99	8.73	7.70	7.04	6.70	5.58	6.66	6.99	10.17
24	7.78	8.62	8.43	8.75	8.70	7.91	7.03	6.19	7.08	7.41	6.26	9.68
25	6.69	8.79	8.69	10.12	8.79	7.71	6.51	6.29	8.25	6.11	6.14	12.22
26	5.06	8.20	8.70	17.41	9.05	7.49	6.55	6.72	10.40	5.80	7.46	12.36
27	5.03	8.51	8.32	17.39	10.65	7.41	7.86	6.74	11.63	7.49	6.46	12.29
28	---	9.36	7.99	14.66	11.45	7.35	8.39	5.92	11.12	9.14	5.52	12.14
29	6.01	10.46	7.55	11.74	9.93	7.30	8.17	5.73	8.63	8.27	4.89	11.48
30	6.25	10.11	8.32	10.10	---	7.59	8.39	4.87	8.29	6.79	5.02	11.04
31	6.00	---	8.92	9.22	---	8.24	---	5.19	---	6.12	5.05	---
MEAN	---	7.38	8.98	9.71	11.77	9.15	7.24	7.08	6.44	7.79	6.06	10.35
MAX	---	12.76	12.07	17.41	20.74	15.31	8.81	10.59	11.63	11.76	8.56	22.50
MIN	---	4.67	7.55	7.41	7.50	7.26	5.96	4.87	4.64	5.80	4.73	4.49

MOBILE RIVER BASIN
2004 Water Year

02388525 OOSTANAULA RIVER AT US 27, AT ROME, GA

LOCATION.—Lat 34°15'38", long 85°10'15", referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150103, on downstream side of US 27 bridge (Turner-McCall Boulevard), 0.3 miles above confluence with the Etowah River.

DRAINAGE AREA.—2,149 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1974 to current year.

GAGE.—Satellite telemetry with a water-stage recorder with satellite telemetry. Datum of gage is 561.7 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Station is auxiliary gage for 02388500 Oostanaula River at Rome.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.29 feet, September 18; minimum gage-height recorded, 2.82 feet, September 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 17, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388525 OOSTANAULA RIVER AT US 27, AT ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341538 LONGITUDE 0851015 NAD27 DRAINAGE AREA 2149.00 CONTRIBUTING DRAINAGE AREA 2149* DATUM 561.70 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.66	4.55	6.37	6.86	6.24	5.74	6.56	6.30	4.43	7.36	4.03	3.85
2	4.65	3.15	7.19	6.21	5.31	6.20	6.16	6.19	5.14	8.47	3.91	3.93
3	4.56	3.36	6.34	---	5.47	6.86	5.39	7.22	4.42	9.32	4.50	3.82
4	4.40	4.82	6.33	4.98	5.81	6.76	4.90	6.61	3.92	6.36	4.75	3.00
5	3.75	5.31	6.95	---	5.63	6.36	5.00	5.53	4.11	5.30	5.33	2.92
6	3.89	5.11	8.40	---	8.49	7.46	5.55	4.91	3.29	5.93	5.45	3.25
7	4.66	5.48	7.39	9.23	17.38	10.53	4.69	4.41	3.17	7.43	5.31	3.54
8	4.50	5.13	6.78	9.67	16.31	11.06	5.07	4.51	3.97	7.94	4.17	5.77
9	5.22	3.66	6.33	8.23	14.77	11.29	5.33	4.54	4.41	8.16	3.74	6.94
10	5.36	3.75	6.05	7.46	13.87	8.79	4.51	4.98	4.42	7.13	3.80	5.94
11	5.12	5.13	8.12	6.58	---	7.48	4.04	5.15	4.49	5.22	3.83	4.31
12	4.16	5.38	9.23	6.10	10.39	6.73	4.13	5.23	5.98	4.56	4.11	4.90
13	4.49	5.58	8.68	6.68	12.01	6.42	5.65	4.84	5.38	---	5.49	3.95
14	5.25	5.87	7.79	5.79	11.21	6.04	7.31	5.46	3.46	5.51	4.64	4.60
15	5.24	4.79	7.46	5.78	9.38	5.75	5.99	6.10	3.34	5.25	3.43	5.22
16	5.48	3.98	7.89	5.55	10.54	5.70	5.77	4.79	4.22	4.68	3.23	6.68
17	5.78	3.35	7.53	4.99	11.10	6.05	5.02	3.90	4.54	4.31	3.97	14.33
18	5.17	4.79	8.16	5.01	10.05	6.35	4.57	5.10	5.53	3.97	4.11	17.91
19	4.61	8.42	8.04	5.08	8.74	6.24	4.30	5.27	5.01	4.88	4.74	16.10
20	4.52	10.53	6.55	5.17	7.95	5.86	4.64	5.35	3.43	4.83	4.99	15.31
21	5.72	10.28	5.48	5.72	7.53	5.14	4.82	5.37	3.28	4.81	4.80	15.48
22	5.97	9.21	5.52	4.99	6.27	4.96	5.15	5.06	4.37	4.85	5.70	14.29
23	6.10	8.06	6.85	5.39	6.21	5.96	4.81	4.76	4.02	4.79	4.91	7.10
24	6.36	7.84	6.89	5.94	6.51	5.76	4.84	4.76	5.13	5.22	4.56	8.57
25	5.42	8.10	6.51	7.22	6.49	5.57	4.35	4.90	5.79	4.03	4.16	10.68
26	3.34	7.26	6.23	13.79	6.90	5.03	4.49	4.87	7.04	3.99	5.31	10.83
27	3.67	7.07	6.08	13.94	8.13	4.96	5.84	5.06	7.95	5.68	4.82	10.80
28	5.04	7.31	5.70	11.64	8.64	4.92	6.09	4.32	8.13	6.61	4.14	10.74
29	5.23	8.01	5.32	9.33	7.21	4.89	5.88	4.27	6.33	6.16	3.24	10.29
30	5.47	7.04	6.72	7.37	---	5.49	5.94	3.35	6.58	5.01	3.31	9.99
31	5.09	---	7.34	6.42	---	6.14	---	3.90	---	4.48	3.58	---
MEAN	4.93	6.08	6.97	---	---	6.53	5.23	5.06	4.84	---	4.39	8.17
MAX	6.36	10.53	9.23	---	---	11.29	7.31	7.22	8.13	---	5.70	17.91
MIN	3.34	3.15	5.32	---	---	4.89	4.04	3.35	3.17	---	3.23	2.92

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388525 OOSTANAULA RIVER AT US 27, AT ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341538 LONGITUDE 0851015 NAD27 DRAINAGE AREA 2149.00 CONTRIBUTING DRAINAGE AREA 2149* DATUM 561.70 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.30	0.00	0.00
2	0.00	0.00	0.00	0.00	0.15	0.55	0.00	1.25	0.00	0.39	0.00	0.01
3	0.00	0.00	0.20	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02
4	0.00	0.02	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
5	0.00	0.01	---	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00
6	0.01	0.05	---	0.00	1.67	0.80	0.00	0.00	0.00	0.95	0.00	0.00
7	0.02	0.00	---	0.00	0.00	0.00	0.00	0.00	0.07	0.11	0.00	3.13
8	0.04	0.01	---	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
9	0.00	0.00	---	0.24	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
10	0.01	0.00	0.82	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.12	0.00
11	0.00	0.00	0.00	0.00	0.19	0.00	0.23	0.00	0.00	0.00	0.00	0.00
12	0.00	0.04	0.00	0.00	0.62	0.00	0.63	0.09	0.00	0.23	1.16	0.00
13	0.00	0.01	0.30	0.00	0.00	0.00	0.23	0.00	1.38	0.00	0.00	0.00
14	0.06	0.00	0.10	0.00	0.10	0.00	0.01	0.00	0.10	0.00	0.00	0.00
15	0.00	0.00	0.00	0.01	0.47	0.02	0.00	0.00	0.15	0.00	0.00	0.00
16	0.00	0.00	0.37	0.00	0.00	0.22	0.00	0.04	0.55	0.00	0.00	3.85
17	0.06	0.00	0.05	0.14	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
18	0.00	3.12	0.02	0.22	0.00	0.00	0.00	0.07	0.00	0.24	0.00	0.00
19	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.59	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.38	0.00	0.00	0.00
23	0.00	0.00	0.48	0.00	0.00	0.00	0.00	---	0.14	---	0.00	0.00
24	0.00	0.28	0.00	0.08	0.00	0.00	0.00	---	0.12	---	0.00	0.00
25	0.00	0.00	0.00	2.49	0.13	0.00	0.18	0.00	0.15	---	0.23	0.00
26	0.01	0.00	0.00	0.00	0.37	0.00	0.85	0.00	0.49	---	0.00	0.00
27	0.07	0.70	0.01	0.01	0.00	0.00	0.00	0.00	0.44	---	0.00	0.00
28	0.00	0.41	0.00	0.00	0.01	0.00	0.00	0.01	0.57	---	0.00	0.00
29	0.00	0.00	0.49	0.00	0.00	0.12	0.00	0.04	0.00	0.00	0.00	0.00
30	0.00	0.00	0.03	0.00	---	0.76	0.53	0.02	0.24	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.10	---	1.14	---	0.00	0.01	---
TOTAL	0.28	4.69	---	3.82	3.76	2.61	2.66	---	4.79	---	3.83	7.07

MOBILE RIVER BASIN
2004 Water Year

02388900 ETOWAH RIVER AT GA 9, NEAR DAHLONEGA, GA

LOCATION.—Lat 34°30'56", long 84°03'40", referenced to North American Datum (NAD) of 1927, Lumpkin County, Hydrologic Unit 03150104, 8.0 miles north on GA 9 from the intersection of GA 136 and GA 9.

DRAINAGE AREA.—69.7 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

MISCELLANEOUS MEASURMENTS

PERIOD OF RECORD.—January 14, 1949 to August 5, 1988, July 22, 2004 to September 30, 2004

GAGE.—Standard USGS reference mark. Datum of gage is 980.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Crest-stage gage was installed from January 14, 1949 to August 5, 1988 at same datum.

RATING.—None.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
07/22/04	2.95	90.8
08/05/04	3.01	101
08/31/04	3.04	102
09/07/04	3.63	225

2004 Water Year

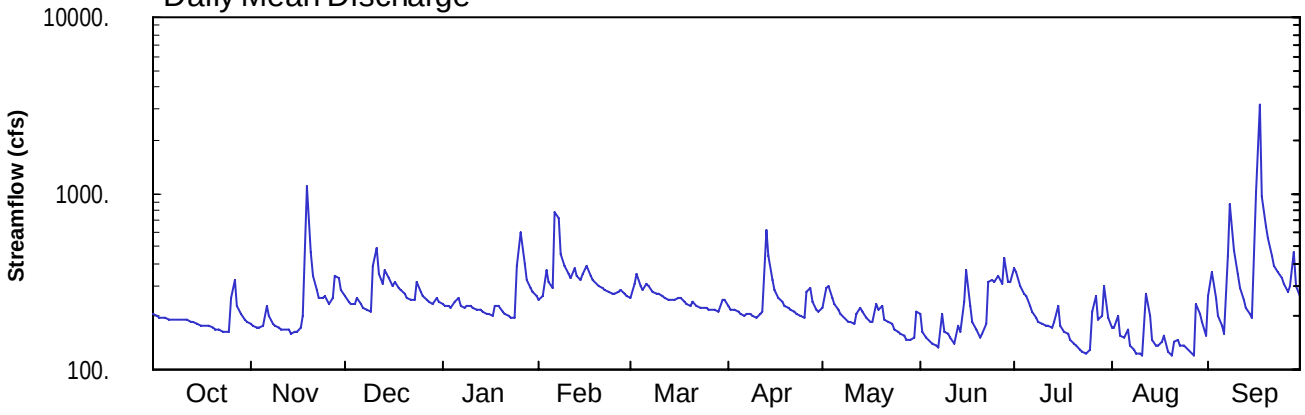
MOBILE RIVER BASIN

02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA

Latitude: 34°21'26" Longitude: 084°06'49" Hydrologic Unit Code: 03150104

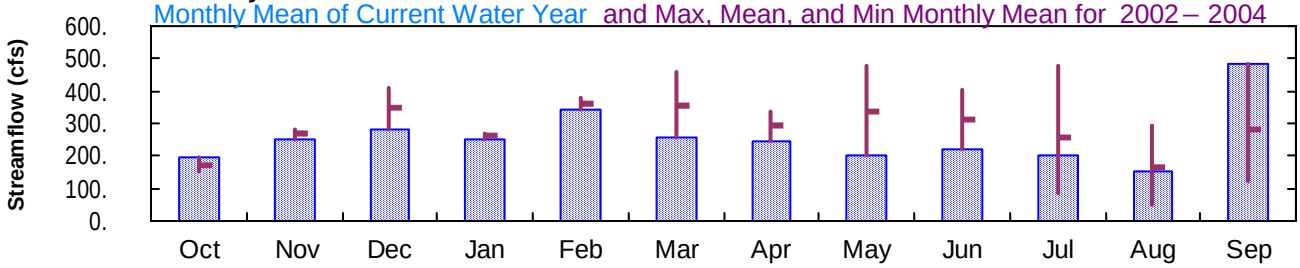
Dawson County Datum: 1022.00 feet Drainage Area: 131. mi²

Daily Mean Discharge

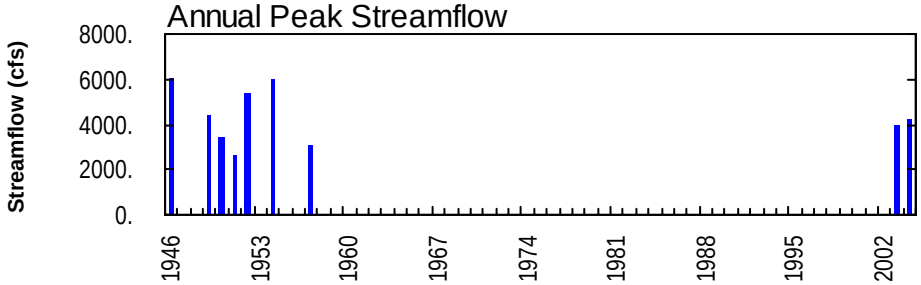


Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2002 – 2004



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

MOBILE RIVER BASIN
2004 Water Year

02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA

LOCATION.—Lat 34°21'26", long 84°06'49", referenced to North American Datum (NAD) of 1927, Dawson County, Hydrologic Unit 03150104, at bridge at GA 9, 6.5 miles upstream of confluence with Amicalola Creek

DRAINAGE AREA.—131 square miles.

COOPERATION.—Etowah Water and Sewer Authority.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 12, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1022 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair, except for estimated periods of record, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 12, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1022 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.75 feet, September 16; minimum gage-height recorded, 4.18 feet, August 20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 18, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 085
LATITUDE 342126 LONGITUDE 0840649 NAD27 DRAINAGE AREA 131.00 CONTRIBUTING DRAINAGE AREA 131* DATUM 1022.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	206	180	261	234	249	255	227	221	209	374	173	259
2	202	177	245	230	263	304	220	287	163	359	173	357
3	195	175	233	228	364	346	216	295	151	297	200	257
4	195	175	238	226	311	302	211	253	148	266	157	203
5	195	178	257	239	289	286	205	234	141	260	153	177
6	194	227	238	256	775	303	203	219	136	229	168	160
7	193	200	227	230	724	299	205	205	134	214	138	445
8	191	183	219	224	454	279	206	195	209	198	128	869
9	194	175	214	e232	384	271	203	188	165	187	123	477
10	194	171	386	e230	349	267	198	188	161	181	122	348
11	193	170	485	e224	327	259	208	184	153	176	121	290
12	192	170	349	e220	373	255	212	205	138	175	270	247
13	187	168	304	e218	344	249	618	227	175	172	200	223
14	185	161	367	211	323	245	438	210	164	188	149	210
15	182	162	334	209	350	247	324	196	244	231	135	199
16	176	163	301	205	384	258	281	186	366	179	136	1030
17	176	174	314	203	340	252	256	189	232	163	142	3160
18	178	202	294	230	320	240	242	234	185	160	155	957
19	176	1090	284	229	306	236	232	220	167	149	125	659
20	172	462	268	210	297	230	224	229	153	141	119	560
21	170	340	256	205	293	243	218	191	161	136	145	446
22	169	281	251	201	280	228	211	185	182	131	149	392
23	165	254	250	198	273	224	205	184	317	127	137	356
24	165	254	313	195	271	224	201	170	320	122	136	328
25	164	259	277	391	269	222	197	163	314	131	134	305
26	256	234	260	603	275	220	277	158	337	215	127	279
27	319	252	251	392	280	219	293	154	308	262	120	300
28	232	338	244	326	266	217	240	148	428	190	234	466
29	205	335	239	291	259	215	220	146	317	202	207	299
30	191	285	257	274	---	249	212	151	310	299	187	262
31	185	---	243	261	---	249	---	215	---	194	154	---
TOTAL	5997	7595	8659	7825	9992	7893	7403	6230	6588	6308	4817	14520
MEAN	193	253	279	252	345	255	247	201	220	203	155	484
MAX	319	1090	485	603	775	346	618	295	428	374	270	3160
MIN	164	161	214	195	249	215	197	146	134	122	119	160
MED	191	192	257	229	311	249	217	195	178	188	145	317
AC-FT	11900	15060	17180	15520	19820	15660	14680	12360	13070	12510	9550	28800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	172	268	346	262	362	358	291	338	313	256	167	282
MAX	193	284	413	272	380	462	335	476	406	476	293	484
(WY)	2004	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2004
MIN	150	253	279	252	345	255	247	201	220	88.0	50.9	121
(WY)	2003	2004	2004	2004	2004	2004	2004	2004	2004	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	123732		93827			
ANNUAL MEAN	339		256		303	
HIGHEST ANNUAL MEAN					349	2003
LOWEST ANNUAL MEAN					256	2004
HIGHEST DAILY MEAN	2160	Mar 6	3160	Sep 17	3160	Sep 17 2004
LOWEST DAILY MEAN	161	Nov 14	119	Aug 20	30	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	166	Nov 10	134	Jul 19	32	Sep 7 2002
MAXIMUM PEAK FLOW			4190	Sep 16	4190	Sep 16 2004
MAXIMUM PEAK STAGE			15.75	Sep 16	15.75	Sep 16 2004
INSTANTANEOUS LOW FLOW			115	Aug 20	27	Sep 13 2002
ANNUAL RUNOFF (AC-FT)	245400		186100		219300	
10 PERCENT EXCEEDS	468		349		445	
50 PERCENT EXCEEDS	301		224		263	
90 PERCENT EXCEEDS	194		153		161	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 085
LATITUDE 342126 LONGITUDE 0840649 NAD27 DRAINAGE AREA 131.00 CONTRIBUTING DRAINAGE AREA 131* DATUM 1022.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.69	4.52	5.04	4.87	4.96	5.00	4.83	4.91	4.83	5.78	4.60	5.04
2	4.67	4.51	4.94	4.85	5.05	5.30	4.79	5.30	4.52	5.70	4.60	5.69
3	4.62	4.49	4.87	4.84	5.66	5.55	4.76	5.35	4.44	5.36	4.77	5.12
4	4.62	4.49	4.90	4.83	5.35	5.30	4.73	5.10	4.42	5.18	4.48	4.79
5	4.62	4.51	5.01	4.91	5.21	5.19	4.69	4.98	4.37	5.15	4.45	4.62
6	4.61	4.83	4.90	5.01	7.16	5.30	4.68	4.89	4.34	4.95	4.56	4.50
7	4.61	4.65	4.83	4.85	7.33	5.27	4.69	4.81	4.33	4.86	4.35	6.04
8	4.60	4.55	4.78	4.82	6.17	5.15	4.70	4.75	4.83	4.76	4.29	7.86
9	4.62	4.49	4.75	---	5.77	5.10	4.68	4.70	4.54	4.69	4.25	6.30
10	4.62	4.46	5.73	---	5.57	5.08	4.64	4.70	4.51	4.65	4.23	5.64
11	4.61	4.46	6.32	---	5.44	5.03	4.70	4.67	4.45	4.62	4.23	5.32
12	4.61	4.45	5.57	---	5.71	5.00	4.73	4.80	4.36	4.61	5.16	5.06
13	4.57	4.44	5.31	---	5.54	4.96	6.81	4.94	4.61	4.59	4.77	4.92
14	4.55	4.39	5.67	4.72	5.42	4.94	6.09	4.84	4.53	4.68	4.43	4.84
15	4.54	4.40	5.48	4.71	5.58	4.95	5.51	4.75	5.03	4.97	4.33	4.77
16	4.50	4.41	5.29	4.68	5.77	5.02	5.27	4.68	5.73	4.64	4.34	7.22
17	4.49	4.48	5.37	4.67	5.52	4.98	5.12	4.70	4.97	4.53	4.38	13.39
18	4.51	4.65	5.24	4.85	5.40	4.91	5.03	4.98	4.68	4.51	4.47	8.13
19	4.49	8.44	5.18	4.84	5.32	4.89	4.97	4.90	4.56	4.43	4.26	7.12
20	4.47	6.20	5.08	4.72	5.26	4.85	4.92	4.96	4.46	4.37	4.21	6.69
21	4.45	5.52	5.01	4.68	5.23	4.92	4.89	4.71	4.51	4.34	4.40	6.15
22	4.45	5.16	4.98	4.66	5.16	4.84	4.85	4.68	4.65	4.31	4.43	5.87
23	4.42	5.00	4.97	4.64	5.12	4.81	4.81	4.67	5.47	4.28	4.35	5.69
24	4.42	5.00	5.36	4.62	5.11	4.81	4.78	4.57	5.48	4.24	4.34	5.54
25	4.41	5.03	5.14	5.72	5.09	4.80	4.76	4.52	5.46	4.30	4.33	5.41
26	4.99	4.87	5.03	6.86	5.13	4.79	5.23	4.49	5.58	4.86	4.27	5.26
27	5.39	4.99	4.98	5.82	5.16	4.79	5.34	4.46	5.41	5.15	4.22	5.37
28	4.86	5.50	4.93	5.44	5.07	4.77	5.02	4.42	6.05	4.71	4.97	6.23
29	4.69	5.49	4.90	5.23	5.03	4.76	4.90	4.41	5.48	4.75	4.82	5.38
30	4.60	5.19	5.01	5.12	---	4.97	4.85	4.44	5.44	5.35	4.69	5.15
31	4.55	---	4.93	5.04	---	4.96	---	4.86	---	4.74	4.46	---
MEAN	4.61	4.92	5.15	---	5.49	5.00	4.99	4.77	4.87	4.78	4.47	5.97
MAX	5.39	8.44	6.32	---	7.33	5.55	6.81	5.35	6.05	5.78	5.16	13.39
MIN	4.41	4.39	4.75	---	4.96	4.76	4.64	4.41	4.33	4.24	4.21	4.50

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 085
LATITUDE 342126 LONGITUDE 0840649 NAD27 DRAINAGE AREA 131.00 CONTRIBUTING DRAINAGE AREA 131* DATUM 1022.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.22	0.00	0.91
2	0.00	0.00	0.00	0.00	0.59	0.45	0.00	0.70	0.00	0.03	0.40	0.56
3	0.00	0.00	0.02	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00
5	0.00	0.25	0.01	0.39	0.03	0.00	0.00	0.00	0.00	0.00	0.65	0.00
6	0.00	0.02	0.00	0.01	1.37	0.46	0.00	0.00	0.00	0.04	0.00	0.00
7	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	2.98
8	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.16
9	0.02	0.00	0.00	---	0.00	0.09	0.00	0.00	0.02	0.00	0.00	0.00
10	0.00	0.00	1.11	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.02	0.00	0.00	---	0.08	0.00	0.22	0.11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	---	0.53	0.00	0.76	0.19	0.00	0.15	2.27	0.00
13	0.01	0.00	0.41	---	0.01	0.00	0.94	0.09	0.09	0.00	0.00	0.00
14	0.12	0.00	0.21	0.00	0.16	0.00	0.00	0.00	0.25	1.12	0.00	0.00
15	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.27	0.01	0.50	0.00
16	0.00	0.00	0.12	0.00	0.00	0.31	0.00	0.00	0.06	0.00	0.01	4.28
17	0.00	0.19	0.10	0.18	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.17
18	0.00	1.79	0.02	0.25	0.00	0.00	0.00	0.58	0.02	0.00	0.00	0.00
19	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.18	0.00
21	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.03	0.00	0.12	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.35	0.00	0.00	0.00
23	0.00	0.02	0.57	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
24	0.00	0.25	0.04	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
25	0.00	0.00	0.00	1.64	0.06	0.00	0.00	0.00	0.41	0.68	0.00	0.00
26	1.43	0.00	0.00	0.00	0.31	0.00	0.64	0.00	0.01	1.11	0.00	0.00
27	0.01	0.85	0.00	0.01	0.03	0.00	0.00	0.00	0.79	0.04	0.00	1.70
28	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.01
29	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.29	0.00
30	0.00	0.00	0.08	0.00	---	0.42	0.00	0.12	0.40	0.05	0.00	0.00
31	0.00	---	0.00	0.00	---	0.01	---	0.72	---	0.00	0.00	---
TOTAL	1.66	4.31	3.01	---	3.78	1.85	2.56	3.30	4.14	4.29	5.42	10.77

MOBILE RIVER BASIN
2004 Water Year

02390050 ETOWAH RIVER AT KELLY BRIDGE ROAD, NEAR MATT, GA

LOCATION.—Lat 34°21'08", long 84°12'23", referenced to North American Datum (NAD) of 1927, Dawson County, Hydrologic Unit 03150104, 5.0 miles south of Cowart Road, at bridge and boat launch on Kelly Bridge Road.

DRAINAGE AREA.—277 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—December 1996 to current year.

GAGE.—Standard USGS reference mark. Datum of gage 980.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 5 is effective from October 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/01/03	1.58	434
12/15/03	2.26	753
03/16/04	1.84	536
07/01/04	2.23	719
08/20/04	1.05	223

02390063 YELLOW CREEK AT COWART ROAD, NEAR MATT, GA

LOCATION.—Lat 34°21'24", long 84°15'07", referenced to North American Datum (NAD) of 1927, Dawson County, Hydrologic Unit 03150104, downstream of concrete dam on Cowart Road, 0.3 miles east of Yellow Creek Road, 4.0 miles northeast of Matt.

DRAINAGE AREA.—15.1 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—December 1996 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 980.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 4 is effective from October 10, 2003 to September 30, 2004.

REMARKS.—Records good. Measurements for current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/10/03	0.76	13.7
12/05/03	0.82	14.8
03/18/04	0.96	20.8
07/16/04	0.77	14.0
08/18/04	0.72	13.5

MOBILE RIVER BASIN
2004 Water Year

02390064 YELLOW CREEK NEAR HIGHTOWER, GA

LOCATION.—Lat 34°20'45", long 84°14'29", referenced to North American Datum (NAD) of 1927, Dawson County, Hydrologic Unit 03150104, 0.5 miles east of Yellow Creek Road, 0.5 miles north of metal bridge on Hubbardsville Road.

DRAINAGE AREA.—16.0 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—December 1996 to current water year.

GAGE.—Standard USGS reference point. Datum of gage is 980.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 6 is effective from December 15, 2003 to September 30, 2004.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
12/15/03	1.36	25.0
02/13/04	1.37	27.0
03/18/04	1.28	23.4
07/16/04	1.14	17.8
08/18/04	1.15	15.4

MOBILE RIVER BASIN
2004 Water Year

02390090 ETOWAH RIVER AT OLD FEDERAL ROAD, NEAR HIGHTOWER, GA

LOCATION.—Lat 34°18'30", long 84°13'21", referenced to North American Datum (NAD) of 1927, Forsyth County, Hydrologic Unit 03150104, 8.0 miles west of GA 400, 0.2 miles west of GA 369 on Old Federal Road.

DRAINAGE AREA.—309 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—December 1996 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 960.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 03 is effective from October 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/01/03	2.01	463
10/10/03	1.95	461
12/05/03	2.44	595
03/16/04	2.37	591
07/01/04	2.77	797
08/18/04	1.46	375

02390140 SETTINGDOWN CREEK NEAR BALL GROUND, GA

LOCATION.—Lat 34°17'35", long 84°15'49", referenced to North American Datum (NAD) of 1927, Cherokee County, Hydrologic Unit 03150104, 12.0 miles west of intersection of GA 400 and GA 369 on GA 369.

DRAINAGE AREA.—49.3 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

MISCELLANEOUS MEASUREMENTS

PERIOD OF RECORD.—October 13, 1954 to August 5,1988, July 23, 2004 to September 30, 2004.

GAGE.—Standard USGS reference mark. Datum of gage is 1060.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—None.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
07/23/04	0.98	13.7
08/05/04	0.96	12.7
08/31/04	0.94	11.7
09/07/04	4.56	381

02390475 LONG SWAMP CREEK AT REAVIS MOUNTAIN ROAD, NEAR NELSON, GA

LOCATION.—Lat 34°22'29", long 84°20'51", referenced to North American Datum (NAD) of 1927, Cherokee County, Hydrologic Unit 03150104, 5.0 miles upstream of the confluence with the Etowah River, and 1.4 miles ESE from Nelson.

DRAINAGE AREA.—68.2 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

MISCELLANEOUS MEASUREMENTS

PERIOD OF RECORD.—July 22, 2004 to September 30, 2004.

GAGE.—Standard USGS reference point. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—None.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
07/22/04	3.49	63.3
08/06/04	3.26	43.1
08/31/04	3.14	34.2
09/08/04	5.04	276

02391095 ETOWAH RIVER AT COKER CHAPEL ROAD, NEAR BALLGROUND, GA

LOCATION.—Lat 34°17'45", long 84°22'34", referenced to North American Datum (NAD) of 1927, Cherokee County, Hydrologic Unit 03150104, 5.0 miles east of I-575, 1.0 mile north of Airport Road, 3.3 miles east of Old GA 5, on Cokers Chapel Road.

DRAINAGE AREA.—504 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 10, 1993 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 4 is effective from October 1, 2001 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
05/11/04	2.32	554
07/13/04	2.06	468
08/23/04	1.66	348

02391540 SHARP MOUNTAIN CREEK AT OLD GA 5, BELOW BALLGROUND, GA

LOCATION.—Lat 34°18'38", long 84°24'12", referenced to North American Datum (NAD) of 1927, Cherokee County, Hydrologic Unit 03150104, 0.9 miles upstream of the confluence with the Etowah River, and 2.4 miles southwest of Ballground.

DRAINAGE AREA.—73.2 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

MISCELLANEOUS MEASUREMENTS

PERIOD OF RECORD.—December 1913; October 1954; January 2001 to December 2001; and July 22, 2004 to September 30, 2004.

GAGE.—Standard USGS reference point. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—None.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
07/22/04	3.10	30.7
08/10/04	3.01	25.7
09/01/04	3.04	30.0
09/08/04	4.76	197

2004 Water Year

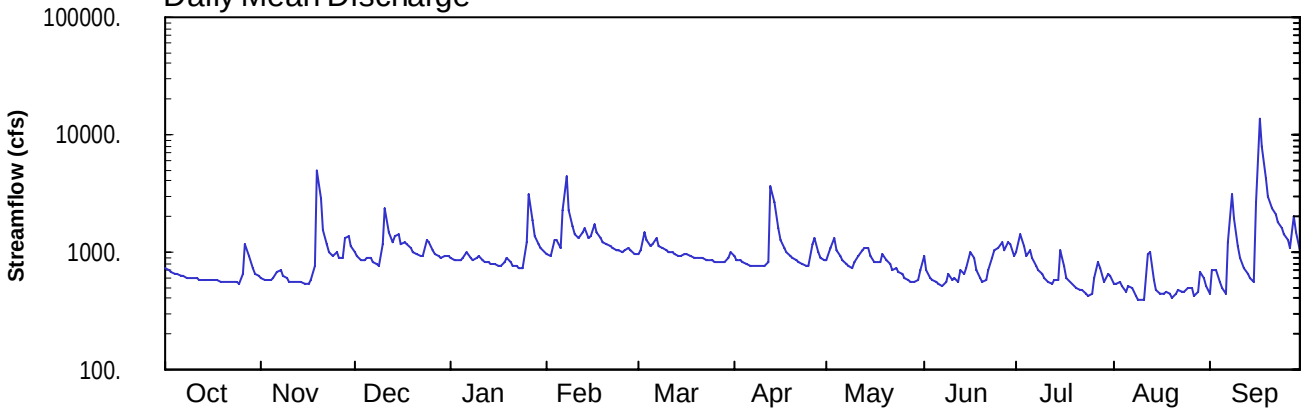
MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA

Latitude: 34°14'23" Longitude: 084°29'41" Hydrologic Unit Code: 03150104

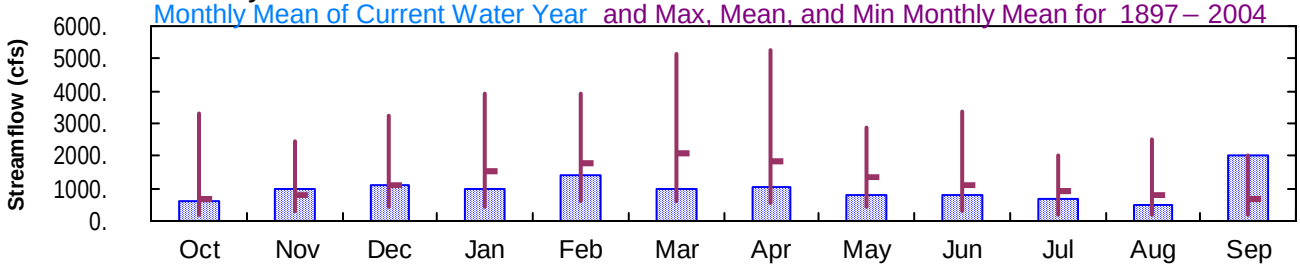
Cherokee County Datum: 844.55 feet Drainage Area: 613. mi²

Daily Mean Discharge

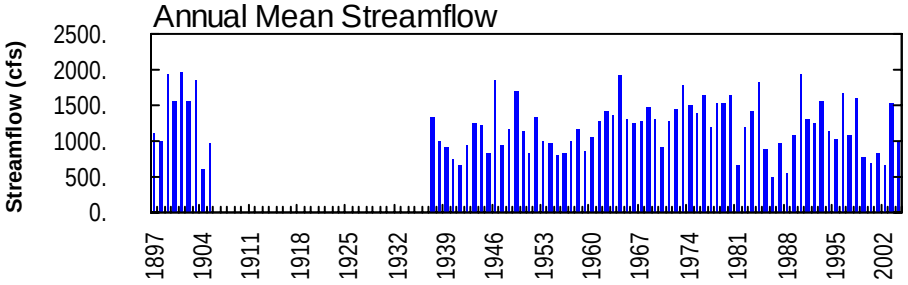


Monthly Statistics

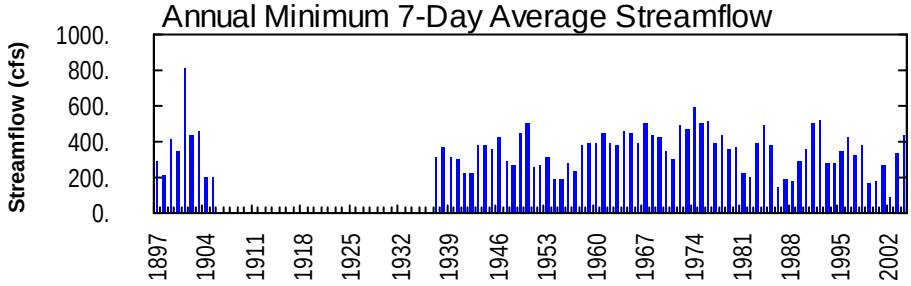
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1897 – 2004



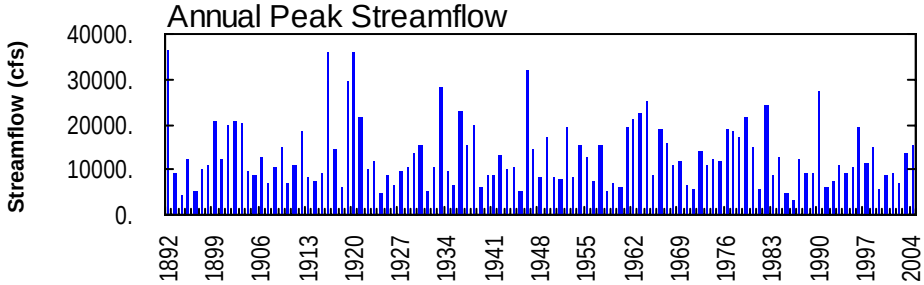
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02392000 ETOWAH RIVER AT CANTON, GA

LOCATION.—Lat 34°14'23", long 84°29'47", referenced to North American Datum (NAD) of 1927, Cherokee County, Hydrologic Unit 03150104, on left bank 100 feet downstream from bridge on GA 5 Spur and 140 at Canton, 0.8 miles upstream from Canton Creek, and 1.8 miles downstream from Hickory Log Creek.

DRAINAGE AREA.—613 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1892 to September 1905 (prior to October 1896, gage heights only), October 1936 to current year. Monthly discharge only for January to March 1896, published in WSP 1304. Gage heights collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1906: 1946(M). WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 844.55 feet above National Geodetic Vertical Datum (NGVD) of 1929. From March 1892 to December 1905, a non-recording gage was located at site 100.00 feet upstream at datum 2.00 feet higher. From March 16, 1937 to January 17, 1939, a non-recording gage was located at site 100.00 feet upstream at present datum. A water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station during periods of backwater caused by Allatoona Reservoir.

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 6,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
09/17	1645	(a)15,300*	22.39*

No other peaks above base discharge

(a) Backwater from Lake Allatoona

02392000 ETOWAH RIVER AT CANTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1892 to September 1905 (prior to October 1896, gage heights only), October 1936 to current year. Monthly discharge only for January to March 1896, published in WSP 1304. Gage heights collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1906: 1946(M). WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 844.55 feet above National Geodetic Vertical Datum (NGVD) of 1929. From March 1892 to December 1905, a non-recording gage was located at site 100.00 feet upstream at datum 2.00 feet higher. From March 16, 1937 to January 17, 1939, a non-recording gage was located at site 100.00 feet upstream at present datum. A water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station during periods of backwater caused by Allatoona Reservoir.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.39 feet, September 17; minimum gage-height recorded, 1.67 feet, August 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 20, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392000 ETOWAH RIVER AT CANTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 057
LATITUDE 341423.4 LONGITUDE 0842941.08 NAD27 DRAINAGE AREA 613.00* CONTRIBUTING DRAINAGE AREA DATUM 844.55 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e721	603	987	880	944	952	914	853	908	997	529	442
2	e699	590	915	852	923	1030	866	1060	701	1450	529	695
3	e676	578	862	847	1250	1490	841	1290	606	1150	548	713
4	e656	572	844	840	1240	1270	811	1040	574	929	507	565
5	e641	603	888	873	1070	1130	786	917	553	1020	456	489
6	e626	674	880	996	2250	1190	773	855	534	893	515	446
7	e616	696	821	895	4360	1320	772	800	525	765	492	1220
8	e610	635	791	841	2230	1140	771	771	546	702	419	3100
9	e603	595	770	885	1660	1070	771	735	653	644	396	1960
10	e598	566	1160	922	1430	1050	752	817	572	600	390	1140
11	e594	557	2370	854	1290	1010	770	939	592	566	387	880
12	e590	560	1510	816	1470	984	819	1020	555	544	964	739
13	e585	562	1200	807	1570	951	3650	1100	703	574	994	643
14	e583	552	1340	794	1320	929	2700	1090	656	568	586	591
15	e577	537	1420	779	1380	922	1590	911	733	1060	476	558
16	e575	538	1190	762	1730	948	1250	822	995	756	447	e2640
17	e573	572	1200	749	1490	976	1070	837	887	598	437	e13500
18	e571	752	1180	819	1310	917	982	830	698	567	465	e7810
19	e566	4960	1070	891	1220	900	924	945	607	532	445	e4260
20	e563	2920	1010	809	1170	878	888	839	557	493	401	e2940
21	e561	1530	951	766	1130	895	853	780	583	471	434	e2380
22	556	1160	914	753	1090	892	825	716	704	473	483	e2100
23	552	997	913	740	1050	853	797	723	905	444	459	e1780
24	547	931	1240	727	1030	846	773	668	1020	420	457	e1590
25	545	984	1210	1200	1020	840	764	645	1060	447	503	e1430
26	655	887	1040	3060	1030	833	1150	608	1220	599	494	1270
27	1170	898	972	1870	1080	828	1340	578	1030	835	432	1080
28	927	1300	930	1380	1030	823	1000	564	1220	729	458	2000
29	721	1370	901	1160	979	811	880	555	1180	555	666	1480
30	652	1120	923	1070	---	895	841	568	939	663	612	1040
31	619	---	933	1010	---	1010	---	705	---	617	515	---
TOTAL	19728	29799	33335	30647	40746	30583	31923	25581	23016	21661	15896	61481
MEAN	636	993	1075	989	1405	987	1064	825	767	699	513	2049
MAX	1170	4960	2370	3060	4360	1490	3650	1290	1220	1450	994	13500
MIN	545	537	770	727	923	811	752	555	525	420	387	442
CFSM	1.04	1.62	1.75	1.61	2.29	1.61	1.74	1.35	1.25	1.14	0.84	3.34
IN.	1.20	1.81	2.02	1.86	2.47	1.86	1.94	1.55	1.40	1.31	0.96	3.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2004, BY WATER YEAR (WY)

MEAN	700	812	1111	1521	1791	2058	1832	1364	1080	935	809	647
MAX	3302	2461	3258	3939	3933	5163	5262	2889	3391	2023	2534	2049
(WY)	1990	1978	1962	1946	1903	1980	1964	1973	1900	2003	1901	2004
MIN	214	294	415	425	612	620	542	457	280	212	163	201
(WY)	1955	1982	1956	1956	1941	1988	1986	1941	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1897 - 2004	
ANNUAL TOTAL	531670		364396			
ANNUAL MEAN	1457		996		1219	
HIGHEST ANNUAL MEAN					1979	1901
LOWEST ANNUAL MEAN					510	1986
HIGHEST DAILY MEAN	9580	Mar 6	e 13500	Sep 17 a	22700	Jan 7 1946
LOWEST DAILY MEAN	537	Nov 15	387	Aug 11	82	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	553	Nov 10	436	Aug 5	94	Sep 7 2002
MAXIMUM PEAK FLOW			e 15300	Sep 17 a	32300	Jan 7 1946
MAXIMUM PEAK STAGE			22.39	Sep 17 a	26.70	Jan 7 1946
INSTANTANEOUS LOW FLOW			376	Aug 12	82	Sep 13 2002
ANNUAL RUNOFF (CFSM)	2.38		1.62		1.99	
ANNUAL RUNOFF (INCHES)	32.26		22.11		27.01	
10 PERCENT EXCEEDS	2310		1390		2150	
50 PERCENT EXCEEDS	1210		841		918	
90 PERCENT EXCEEDS	633		533		414	

e Estimated
a Gage in backwater from Lake Allatoona Sep 16-25

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392000 ETOWAH RIVER AT CANTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 057
LATITUDE 341423.4 LONGITUDE 0842941.08 NAD27 DRAINAGE AREA 613.00* CONTRIBUTING DRAINAGE AREA DATUM 844.55 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.34	3.03	2.81	2.94	2.96	2.88	2.76	2.87	3.05	2.06	1.84
2	---	2.31	2.88	2.75	2.90	3.12	2.78	3.18	2.44	3.90	2.06	2.41
3	---	2.28	2.77	2.74	3.54	3.98	2.73	3.63	2.24	3.35	2.11	2.46
4	---	2.27	2.73	2.72	3.54	3.59	2.67	3.14	2.17	2.91	2.00	2.15
5	---	2.34	2.83	2.79	3.20	3.33	2.61	2.89	2.12	3.11	1.88	1.96
6	---	2.49	2.81	3.05	5.16	3.43	2.59	2.76	2.07	2.84	2.02	1.85
7	---	2.53	2.69	2.84	8.35	3.67	2.59	2.65	2.05	2.57	1.97	3.42
8	---	2.41	2.62	2.73	5.24	3.35	2.58	2.58	2.10	2.44	1.78	6.66
9	---	2.32	2.58	2.82	4.27	3.20	2.58	2.51	2.34	2.32	1.72	4.78
10	---	2.25	3.33	2.90	3.88	3.16	2.54	2.68	2.17	2.23	1.71	3.34
11	---	2.23	5.47	2.76	3.63	3.08	2.58	2.93	2.21	2.15	1.70	2.81
12	---	2.24	4.01	2.68	3.94	3.02	2.69	3.09	2.12	2.10	2.95	2.52
13	---	2.24	3.45	2.66	4.12	2.96	7.44	3.26	2.44	2.17	3.04	2.32
14	---	2.22	3.72	2.63	3.69	2.91	6.00	3.23	2.35	2.16	2.19	2.21
15	---	2.18	3.86	2.60	3.78	2.90	4.16	2.87	2.51	3.17	1.93	2.13
16	---	2.18	3.44	2.56	4.41	2.95	3.55	2.69	3.05	2.55	1.85	5.45
17	---	2.27	3.46	2.53	3.98	3.01	3.21	2.72	2.82	2.23	1.83	20.96
18	---	2.62	3.43	2.68	3.67	2.89	3.02	2.71	2.43	2.15	1.90	17.28
19	---	9.06	3.21	2.83	3.50	2.85	2.90	2.95	2.25	2.07	1.85	8.53
20	---	6.31	3.08	2.66	3.40	2.81	2.83	2.73	2.13	1.97	1.73	7.07
21	---	4.04	2.96	2.58	3.33	2.84	2.75	2.60	2.18	1.91	1.82	6.26
22	2.23	3.39	2.88	2.54	3.24	2.84	2.70	2.47	2.45	1.92	1.94	5.89
23	2.22	3.05	2.88	2.52	3.16	2.75	2.64	2.48	2.86	1.85	1.88	5.61
24	2.20	2.92	3.53	2.49	3.12	2.74	2.59	2.37	3.10	1.78	1.88	4.90
25	2.20	3.03	3.48	3.40	3.10	2.73	2.57	2.33	3.18	1.85	1.99	4.17
26	2.44	2.83	3.13	6.60	3.13	2.71	3.34	2.25	3.50	2.22	1.97	3.59
27	3.41	2.85	3.00	4.63	3.22	2.70	3.71	2.18	3.13	2.71	1.81	3.23
28	2.97	3.63	2.91	3.79	3.12	2.69	3.06	2.15	3.49	2.50	1.88	4.85
29	2.58	3.78	2.85	3.39	3.01	2.67	2.81	2.13	3.41	2.12	2.37	3.96
30	2.44	3.31	2.90	3.20	---	2.84	2.73	2.16	2.93	2.35	2.25	3.15
31	2.37	---	2.92	3.07	---	3.08	---	2.45	---	2.26	2.02	---
MEAN	---	3.00	3.19	3.00	3.78	3.02	3.13	2.69	2.57	2.42	2.00	4.93
MAX	---	9.06	5.47	6.60	8.35	3.98	7.44	3.63	3.50	3.90	3.04	20.96
MIN	---	2.18	2.58	2.49	2.90	2.67	2.54	2.13	2.05	1.78	1.70	1.84

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392000 ETOWAH RIVER AT CANTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 057
LATITUDE 341423.4 LONGITUDE 0842941.08 NAD27 DRAINAGE AREA 613.00* CONTRIBUTING DRAINAGE AREA DATUM 844.55 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.15	0.00	0.08
2	0.00	0.00	0.00	0.00	0.47	0.45	0.00	0.56	0.00	0.48	0.01	0.08
3	0.00	0.00	0.07	0.00	0.05	0.01	0.00	0.00	0.00	0.15	0.00	0.00
4	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
5	0.00	0.39	0.03	0.46	0.01	0.00	0.00	0.00	0.00	0.01	0.16	0.00
6	0.03	0.08	0.00	0.00	1.45	0.44	0.00	0.00	0.00	0.83	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.00	3.89
8	0.01	0.00	0.00	0.04	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.09
9	0.03	0.00	0.00	0.27	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	1.24	0.00	0.06	0.00	0.00	0.04	0.00	0.01	0.00	0.00
11	0.00	0.00	0.00	0.00	0.12	0.00	0.30	0.09	0.00	0.00	0.00	0.00
12	0.00	0.01	0.00	0.00	0.57	0.00	2.25	1.26	0.04	0.00	1.89	0.00
13	0.02	0.00	0.35	0.00	0.00	0.00	1.24	0.52	0.81	0.00	0.00	0.00
14	0.01	0.00	0.28	0.00	0.17	0.00	0.00	0.01	0.03	0.07	0.00	0.00
15	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.10	0.00	0.00	0.00
16	0.00	0.01	0.23	0.00	0.00	0.20	0.00	0.00	0.01	0.00	0.00	5.32
17	0.06	0.35	0.19	0.22	0.00	0.00	0.00	0.33	0.01	0.24	0.00	0.26
18	0.00	2.88	0.02	0.17	0.00	0.00	0.00	0.37	0.13	0.00	0.00	0.00
19	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.08	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.19	0.00	0.00	0.00
23	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.01	0.00
24	0.00	0.31	0.02	0.01	0.01	0.00	0.00	0.00	0.81	0.00	0.12	0.00
25	0.00	0.00	0.00	1.94	0.12	0.00	0.62	0.00	0.57	1.52	0.19	0.00
26	1.21	0.00	0.00	0.01	0.40	0.00	1.13	0.00	0.00	0.17	0.00	0.00
27	0.01	0.98	0.00	0.01	0.01	0.00	0.01	0.00	0.78	0.02	0.00	0.98
28	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.28	0.00	0.01	0.00
29	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.01	0.01	0.00	1.63	0.00
30	0.00	0.00	0.08	0.00	---	0.75	0.00	0.02	0.37	0.00	0.00	0.01
31	0.00	---	0.00	0.00	---	0.09	---	0.77	---	0.01	0.00	---
TOTAL	1.39	6.17	3.46	3.13	3.80	2.13	5.57	4.33	4.80	3.72	4.13	10.71

02392780 LITTLE RIVER AT GA 5, NEAR WOODSTOCK, GA

LOCATION.—Lat 34°07'20", long 84°30'16", referenced to North American Datum (NAD) of 1927, Cherokee County, Hydrologic Unit 03150104, 7.7 miles upstream from Allatoona Lake, and 1.7 miles northeast of Woodstock.

DRAINAGE AREA.—139.0 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

MISCELLANEOUS MEASUREMENTS

PERIOD OF RECORD.—October 1952, October 1954, July 1986, August 1988; January 1996 to December 1996; January 2000 to current year.

GAGE.—Standard USGS reference point. Datum of gage is 860.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—None.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
07/23/04	1.24	76.3
08/10/04	1.13	56.2
09/01/04	1.24	74.5
09/08/04	4.77	795

2004 Water Year

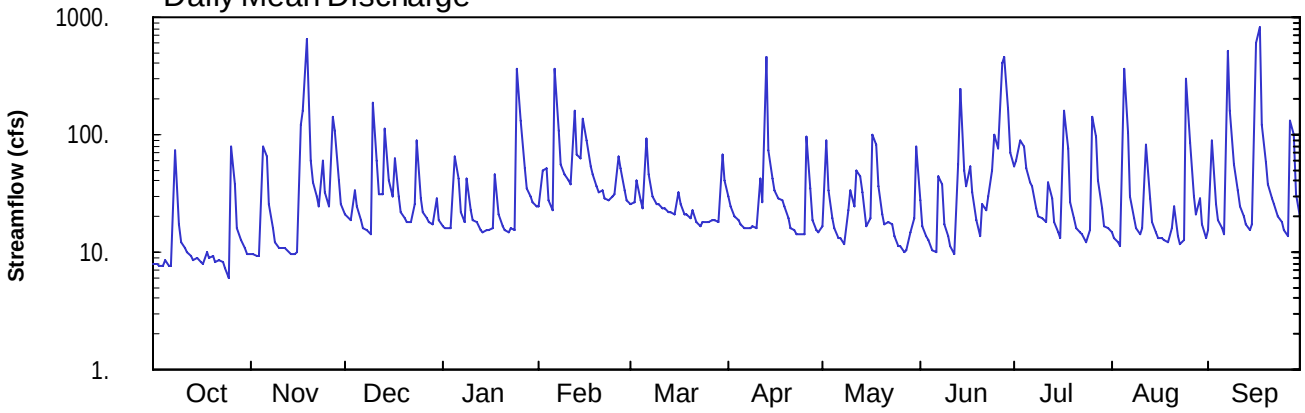
MOBILE RIVER BASIN

02392950 NOONDAY CREEK AT HAWKINS STORE RD, NR WOODSTOCK,GA

Latitude: 34°03'23" Longitude: 084°32'08" Hydrologic Unit Code: 03150104

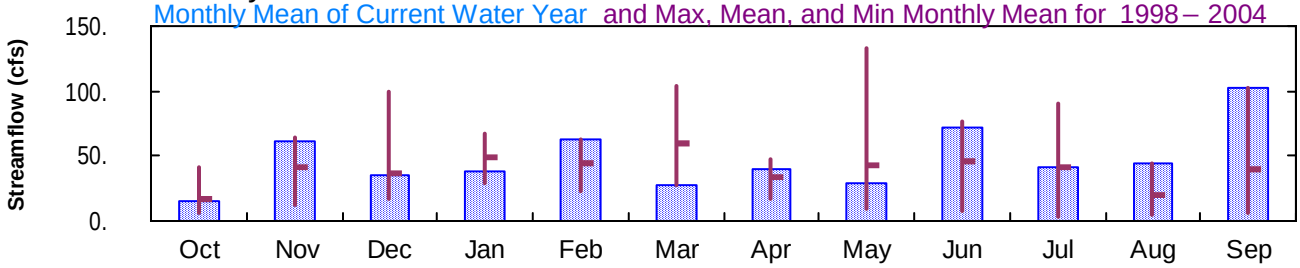
Cobb County Datum: 895.00 feet Drainage Area: 24.3 mi^2

Daily Mean Discharge

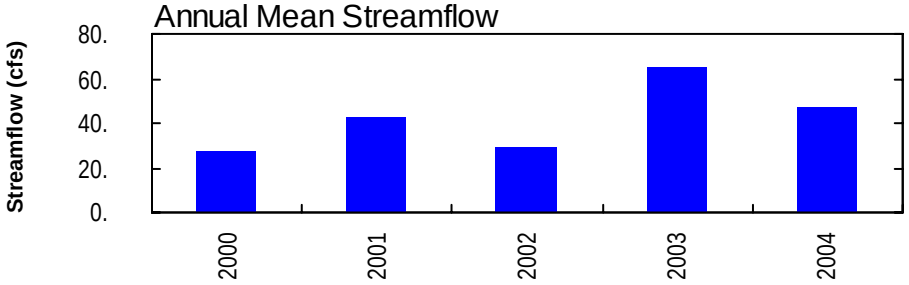


Monthly Statistics

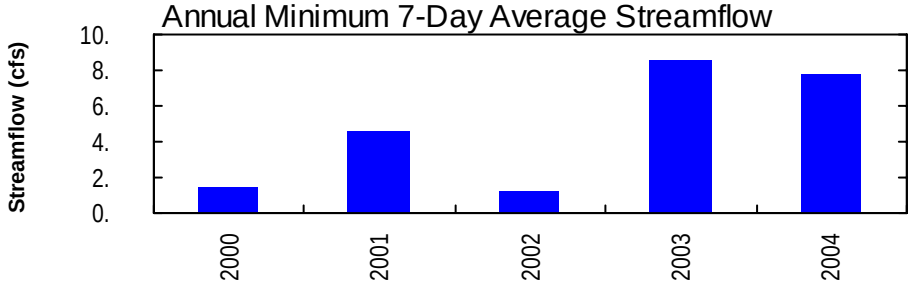
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1998 – 2004



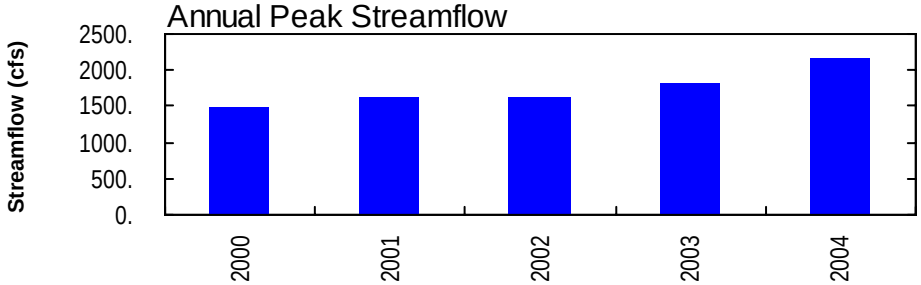
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02392950 NOONDAY CREEK AT HAWKINS STORE ROAD, NEAR WOODSTOCK, GA

LOCATION.—Lat 34°03'23", long 84°32'08", referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130104, on the right upstream bridge abutment of Hawkins Store Road bridge, 0.3 miles upstream from Little Noonday Creek, 3.1 miles south of Woodstock, and 9.6 miles above mouth.

DRAINAGE AREA.—24.3 square miles.

COOPERATION.—Cobb County Water System.

WATER–DISCHARGE RECORDS

PERIOD OF RECORD.—July 14, 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 895.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for those periods of estimated daily discharge, which are fair.

WATER–STAGE RECORDS

PERIOD OF RECORD.—August 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 895.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.45 feet, September 16; minimum gage-height recorded, 1.76 feet, October 25.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392950 NOONDAY CREEK AT HAWKINS STORE RD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340323 LONGITUDE 0843208 NAD83 DRAINAGE AREA 24.3 CONTRIBUTING DRAINAGE AREA 24.3* DATUM 895.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	9.6	21	16	24	25	e30	17	27	54	15	15
2	7.8	9.5	19	16	49	26	e25	89	17	60	13	87
3	7.6	9.3	18	16	52	41	e20	33	13	90	12	25
4	7.7	9.2	34	16	28	27	e19	20	13	79	11	19
5	8.5	78	25	66	23	24	e17	e16	10	52	360	16
6	7.6	65	18	42	366	94	e16	e13	10	40	103	14
7	7.5	26	16	21	107	45	e16	13	44	37	30	506
8	73	e16	15	18	56	30	e16	12	38	23	19	160
9	17	e12	14	42	46	25	16	23	17	20	16	57
10	12	11	189	23	41	26	16	34	14	19	14	34
11	e11	11	59	18	37	23	42	24	11	18	16	25
12	e10	11	31	18	e160	23	26	50	9.8	39	83	21
13	9.1	10	31	15	67	22	453	44	56	29	28	17
14	8.6	9.5	112	15	63	21	73	32	247	18	18	15
15	8.8	9.7	e40	16	137	21	42	17	49	15	15	17
16	8.3	10	e30	16	89	32	34	19	36	13	13	612
17	8.0	e120	63	16	54	25	28	98	54	162	13	809
18	10	e160	30	45	e45	21	28	81	33	77	13	122
19	9.1	e650	22	21	36	21	24	36	19	26	12	57
20	9.2	e60	20	16	33	20	19	21	14	19	16	38
21	8.4	39	18	15	33	22	16	17	25	16	25	28
22	8.5	30	18	15	28	18	15	18	23	15	14	25
23	8.1	25	25	16	27	17	14	17	30	14	12	20
24	7.2	61	91	15	30	18	14	13	49	12	13	18
25	6.0	32	28	359	31	18	14	11	101	15	298	15
26	79	24	21	134	65	18	97	11	75	e140	84	13
27	38	144	19	52	51	18	35	9.9	408	e95	29	130
28	16	109	18	36	33	19	19	11	461	40	21	100
29	13	40	18	30	28	18	15	14	166	23	28	31
30	11	26	29	27	---	67	15	19	71	16	17	21
31	9.7	---	18	25	---	e40	---	78	---	16	13	---
TOTAL	453.6	1826.8	1110	1196	1839	865	1214	910.9	2140.8	1292	1374	3067
MEAN	14.6	60.9	35.8	38.6	63.4	27.9	40.5	29.4	71.4	41.7	44.3	102
MAX	79	650	189	359	366	94	453	98	461	162	360	809
MIN	6.0	9.2	14	15	23	17	14	9.9	9.8	12	11	13
CFSM	0.60	2.51	1.47	1.59	2.61	1.15	1.67	1.21	2.94	1.72	1.82	4.21
IN.	0.69	2.80	1.70	1.83	2.82	1.32	1.86	1.39	3.28	1.98	2.10	4.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	17.0	40.9	36.0	48.4	43.8	59.1	33.7	43.3	45.6	41.4	19.2	40.4
MAX	41.8	64.4	99.7	67.0	63.4	103	47.9	133	76.2	90.3	44.3	102
(WY)	2003	2003	2003	2002	2004	2001	2003	2003	2003	2003	2004	2004
MIN	6.48	12.3	16.3	28.8	22.9	27.9	16.5	8.89	7.10	3.51	4.17	6.12
(WY)	1999	2002	2000	2003	2002	2004	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	20625.1		17289.1			
ANNUAL MEAN	56.5		47.2		39.4	
HIGHEST ANNUAL MEAN					64.5	2003
LOWEST ANNUAL MEAN					25.5	1999
HIGHEST DAILY MEAN	1160	May 6	809	Sep 17	1160	May 6 2003
LOWEST DAILY MEAN	6.0	Oct 25	6.0	Oct 25	1.0	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	7.8	Oct 1	7.8	Oct 1	1.2	Sep 6 2002
MAXIMUM PEAK FLOW			2160	Sep 16	2160	Sep 16 2004
MAXIMUM PEAK STAGE			11.45	Sep 16	11.45	Sep 16 2004
INSTANTANEOUS LOW FLOW			5.6	Oct 25	0.73	Sep 13 2002
ANNUAL RUNOFF (CFSM)	2.33		1.94		1.62	
ANNUAL RUNOFF (INCHES)	31.57		26.47		22.04	
10 PERCENT EXCEEDS	106		90		78	
50 PERCENT EXCEEDS	29		22		16	
90 PERCENT EXCEEDS	9.6		11		5.2	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392950 NOONDAY CREEK AT HAWKINS STORE RD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340323 LONGITUDE 0843208 NAD83 DRAINAGE AREA 24.3 CONTRIBUTING DRAINAGE AREA 24.3* DATUM 895.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.85	1.90	2.17	2.08	2.22	2.14	---	2.03	2.20	2.51	1.99	1.98
2	1.85	1.90	2.14	2.08	2.45	2.15	---	2.81	2.03	2.57	1.95	2.74
3	1.84	1.89	2.12	2.07	2.55	2.33	---	2.27	1.95	2.81	1.92	2.17
4	1.84	1.89	2.35	2.08	2.27	2.17	---	2.08	1.93	2.73	1.89	2.06
5	1.87	2.43	2.22	2.55	2.21	2.12	---	---	1.87	2.49	3.67	2.01
6	1.84	2.67	2.12	2.44	4.12	2.77	---	---	1.86	2.35	2.90	1.97
7	1.83	2.24	2.07	2.18	2.94	2.38	---	1.94	2.22	2.32	2.24	4.83
8	2.63	---	2.05	2.11	2.50	2.21	---	1.90	2.32	2.15	2.08	3.30
9	2.09	---	2.04	2.43	2.38	2.14	1.98	2.07	2.04	2.09	2.02	2.54
10	1.96	1.95	3.34	2.20	2.33	2.14	1.97	2.24	1.96	2.08	1.98	2.29
11	---	1.94	2.61	2.12	2.29	2.11	2.30	2.15	1.90	2.05	2.01	2.17
12	---	1.94	2.31	2.11	---	2.11	2.14	2.32	1.85	2.28	2.69	2.10
13	1.89	1.92	2.30	2.06	2.60	2.09	4.68	2.39	2.50	2.22	2.22	2.03
14	1.87	1.90	3.03	2.05	2.56	2.08	2.67	2.25	3.59	2.05	2.05	1.99
15	1.89	1.91	---	2.06	3.08	2.08	2.38	2.03	2.44	1.99	1.99	2.04
16	1.86	1.92	---	2.06	2.79	2.21	2.29	2.04	2.30	1.95	1.95	4.86
17	1.85	---	2.64	2.07	2.48	2.14	2.22	2.72	2.48	2.88	1.95	6.09
18	1.91	---	2.31	2.47	---	2.07	2.22	2.76	2.27	2.70	1.93	3.11
19	1.89	---	2.18	2.17	2.28	2.07	2.17	2.31	2.07	2.19	1.91	2.57
20	1.89	---	2.15	2.08	2.24	2.05	2.08	2.12	1.96	2.08	1.96	2.37
21	1.86	2.41	2.12	2.06	2.25	2.09	2.01	2.04	2.11	2.02	2.15	2.25
22	1.87	2.30	2.11	2.04	2.18	2.02	2.00	2.04	2.14	1.98	1.96	2.21
23	1.86	2.23	2.18	2.07	2.17	1.99	1.97	2.04	2.19	1.96	1.91	2.12
24	1.83	2.59	2.84	2.05	2.20	2.01	1.97	1.95	2.41	1.91	1.92	2.08
25	1.78	2.33	2.28	4.16	2.21	2.01	1.96	1.89	2.89	1.98	3.58	2.03
26	2.64	2.23	2.18	3.17	2.57	2.01	2.82	1.89	2.70	---	2.77	1.98
27	2.38	2.99	2.14	2.55	2.43	2.02	2.30	1.85	4.07	---	2.23	2.73
28	2.07	3.01	2.12	2.37	2.24	2.03	2.07	1.87	4.75	2.36	2.11	2.89
29	1.99	2.42	2.11	2.30	2.18	2.01	2.00	1.93	3.34	2.15	2.21	2.29
30	1.93	2.25	2.28	2.26	---	2.56	1.98	2.07	2.69	2.02	2.04	2.13
31	1.91	---	2.12	2.23	---	---	---	2.63	---	2.01	1.95	---
MEAN	---	---	---	2.28	---	---	---	---	2.43	---	2.20	2.60
MAX	---	---	---	4.16	---	---	---	---	4.75	---	3.67	6.09
MIN	---	---	---	2.04	---	---	---	---	1.85	---	1.89	1.97

2004 Water Year

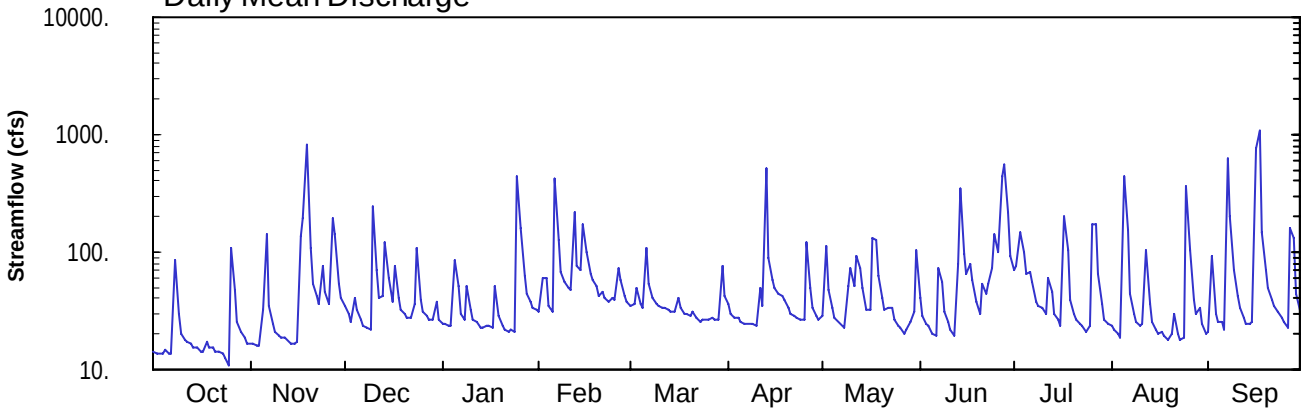
MOBILE RIVER BASIN

02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NR WOODSTOCK,GA

Latitude: 34°04'06" Longitude: 084°32'08" Hydrologic Unit Code: 03150104

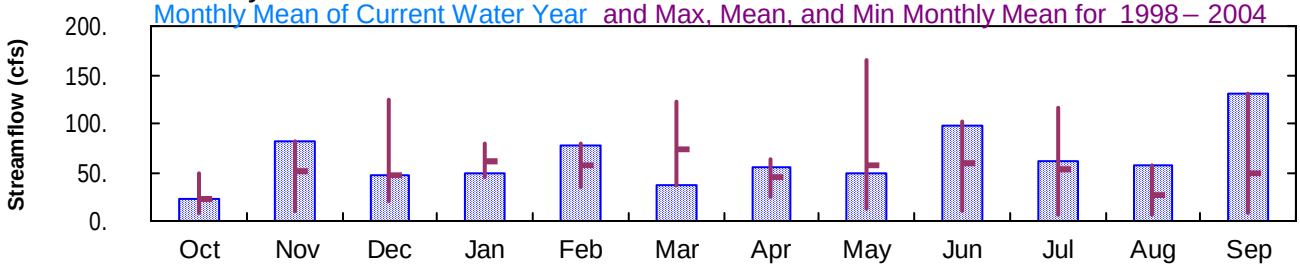
Cobb County Datum: 890.00 feet Drainage Area: 33.6 mi^2

Daily Mean Discharge

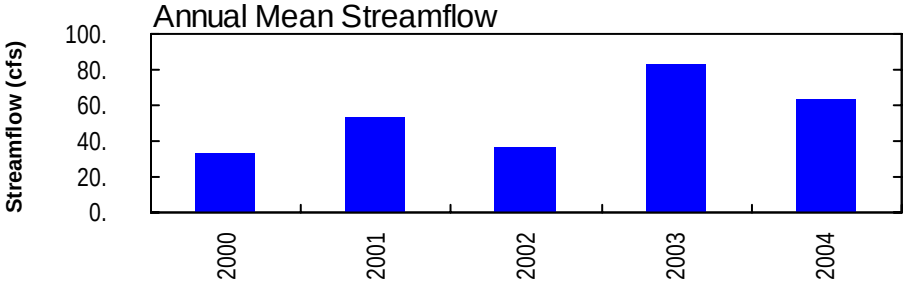


Monthly Statistics

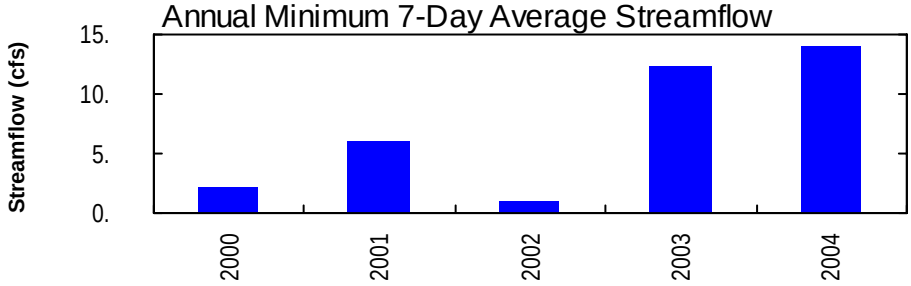
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1998 – 2004



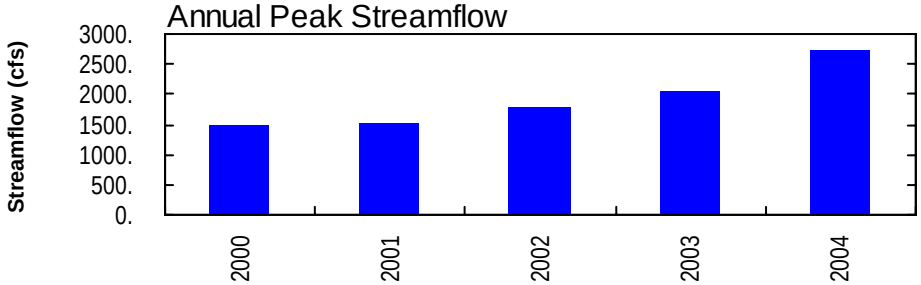
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NEAR WOODSTOCK, GA

LOCATION.—Lat 34°04'06", long 84°32'08", referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130104, on the right upstream bridge abutment of Shallowford Road bridge, 0.5 miles downstream from Little Noonday Creek, 2.5 miles southwest of Woodstock, and 8.7 miles above mouth.

DRAINAGE AREA.—33.6 square miles.

COOPERATION.—Cobb County Water System.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 14, 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

WATER–STAGE RECORDS

PERIOD OF RECORD.—August 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.— Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.77 feet, September 16; minimum gage-height recorded, 1.46 feet, October 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 18, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340406 LONGITUDE 0843208 NAD83 DRAINAGE AREA 33.6 CONTRIBUTING DRAINAGE AREA 33.6* DATUM 890.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	16	e35	25	31	35	36	29	41	71	23	21
2	14	16	e30	24	61	36	30	112	29	76	21	91
3	14	16	26	24	59	49	28	48	25	146	20	30
4	13	16	41	24	35	36	27	33	24	99	19	26
5	15	32	33	85	30	33	25	28	20	66	434	25
6	14	e140	26	51	423	109	25	26	19	69	152	21
7	14	35	24	30	127	53	25	25	73	56	44	625
8	86	24	23	26	68	40	25	23	55	38	30	202
9	30	21	22	51	56	36	24	51	31	35	26	70
10	20	19	242	32	50	35	24	74	25	33	24	42
11	18	19	71	27	47	33	49	51	22	e30	24	34
12	17	19	41	26	221	33	35	92	20	e60	103	28
13	16	17	43	23	77	32	521	72	79	e45	36	25
14	16	16	e120	23	72	31	90	50	342	30	25	25
15	16	17	e60	24	176	31	58	33	98	26	22	26
16	14	17	37	24	102	41	49	33	66	24	20	747
17	14	138	77	23	e65	34	43	133	80	199	21	1060
18	17	190	41	52	e58	30	42	127	58	106	19	150
19	16	825	32	29	e51	30	39	62	38	39	18	70
20	16	107	30	23	e43	28	33	41	30	30	21	49
21	14	54	28	22	e45	31	30	33	54	26	30	39
22	14	43	27	21	e40	27	29	e33	44	24	20	36
23	14	37	36	22	e37	26	27	e34	53	23	18	30
24	13	78	110	21	e40	27	27	26	73	21	19	28
25	11	45	38	441	e39	27	26	23	144	24	361	25
26	106	36	31	163	73	27	124	22	101	174	105	23
27	48	193	29	62	57	27	50	20	435	171	39	162
28	25	140	27	45	42	27	33	22	566	64	30	130
29	21	54	26	38	37	26	29	25	218	37	34	44
30	18	40	38	34	---	76	27	31	92	26	24	32
31	17	---	27	32	---	43	---	103	---	25	20	---
TOTAL	695	2420	1471	1547	2262	1149	1630	1515	2955	1893	1802	3916
MEAN	22.4	80.7	47.5	49.9	78.0	37.1	54.3	48.9	98.5	61.1	58.1	131
MAX	106	825	242	441	423	109	521	133	566	199	434	1060
MIN	11	16	22	21	30	26	24	20	19	21	18	21
CFSM	0.67	2.40	1.41	1.49	2.32	1.10	1.62	1.45	2.93	1.82	1.73	3.88
IN.	0.77	2.68	1.63	1.71	2.50	1.27	1.80	1.68	3.27	2.10	2.00	4.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	21.5	50.9	46.8	61.2	57.7	74.2	45.2	56.3	58.5	52.6	26.4	49.1
MAX	48.8	82.6	124	80.4	79.8	122	62.7	166	103	117	58.1	131
(WY)	2003	2003	2003	2002	2003	2001	2003	2003	2003	2003	2004	2004
MIN	8.69	11.0	20.1	44.4	33.8	37.1	23.5	12.6	10.2	5.37	5.21	7.49
(WY)	2001	2002	2000	2003	2002	2004	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	27341		23255			
ANNUAL MEAN	74.9		63.5		50.4	
HIGHEST ANNUAL MEAN					83.8	2003
LOWEST ANNUAL MEAN					31.8	1999
HIGHEST DAILY MEAN	1360	May 6	1060	Sep 17	1360	May 6 2003
LOWEST DAILY MEAN	11	Sep 19	11	Oct 25	0.77	Sep 5 2002
ANNUAL SEVEN-DAY MINIMUM	12	Sep 15	14	Oct 1	0.92	Sep 4 2002
MAXIMUM PEAK FLOW			2740	Sep 16	2740	Sep 16 2004
MAXIMUM PEAK STAGE			13.77	Sep 16	13.77	Sep 16 2004
ANNUAL RUNOFF (CFSM)	2.23		1.89		1.50	
ANNUAL RUNOFF (INCHES)	30.27		25.75		20.37	
10 PERCENT EXCEEDS	138		121		100	
50 PERCENT EXCEEDS	42		33		26	
90 PERCENT EXCEEDS	16		19		7.2	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340406 LONGITUDE 0843208 NAD83 DRAINAGE AREA 33.6 CONTRIBUTING DRAINAGE AREA 33.6* DATUM 890.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.57	1.63	---	1.83	1.95	1.88	1.89	1.77	1.97	2.35	1.66	1.66
2	1.56	1.63	---	1.82	2.25	1.89	1.80	2.73	1.77	2.41	1.62	2.50
3	1.56	1.61	1.85	1.81	2.33	2.07	1.75	2.06	1.69	2.93	1.58	1.84
4	1.55	1.61	2.10	1.81	2.01	1.90	1.74	1.85	1.67	2.61	1.56	1.77
5	1.59	1.76	1.97	2.42	1.94	1.85	1.70	1.75	1.59	2.29	3.76	1.76
6	1.55	---	1.86	2.22	4.33	2.64	1.69	1.72	1.57	2.28	3.01	1.67
7	1.55	2.01	1.81	1.94	2.87	2.13	1.68	1.69	2.12	2.16	2.05	5.36
8	2.50	1.82	1.79	1.86	2.31	1.96	1.69	1.65	2.14	1.92	1.85	3.40
9	1.92	1.74	1.77	2.22	2.16	1.89	1.68	1.96	1.80	1.88	1.77	2.37
10	1.73	1.71	3.49	1.96	2.10	1.88	1.66	2.28	1.70	1.85	1.72	2.03
11	1.67	1.69	2.45	1.87	2.05	1.84	2.04	2.10	1.63	---	1.74	1.92
12	1.66	1.69	2.11	1.85	3.46	1.84	1.87	2.32	1.58	---	2.57	1.81
13	1.63	1.65	2.11	1.79	2.41	1.82	5.00	2.33	2.39	---	1.94	1.75
14	1.60	1.63	---	1.78	2.35	1.81	2.55	2.09	4.02	1.78	1.75	1.75
15	1.60	1.64	---	1.81	3.14	1.81	2.19	1.84	2.56	1.72	1.69	1.77
16	1.57	1.65	2.05	1.80	2.65	1.96	2.08	1.82	2.28	1.67	1.65	5.28
17	1.56	2.92	2.50	1.78	---	1.86	2.00	2.75	2.41	2.85	1.67	7.18
18	1.65	2.93	2.10	2.24	---	1.79	1.98	2.84	2.18	2.63	1.62	3.09
19	1.61	6.28	1.97	1.91	---	1.79	1.93	2.24	1.92	1.93	1.59	2.38
20	1.61	2.78	1.93	1.80	---	1.76	1.85	1.96	1.79	1.79	1.63	2.13
21	1.57	2.28	1.89	1.77	---	1.81	1.79	1.84	2.09	1.72	1.84	2.00
22	1.57	2.13	1.88	1.75	---	1.74	1.77	---	2.01	1.68	1.65	1.94
23	1.56	2.04	1.97	1.77	---	1.71	1.74	---	2.09	1.66	1.60	1.86
24	1.53	2.47	2.75	1.75	---	1.72	1.73	1.72	2.29	1.61	1.61	1.81
25	1.48	2.16	2.07	4.51	---	1.73	1.72	1.66	2.95	1.67	3.71	1.76
26	2.60	2.03	1.95	3.18	2.36	1.73	2.76	1.64	2.63	2.99	2.69	1.71
27	2.18	3.09	1.91	2.37	2.19	1.74	2.09	1.59	4.06	3.12	2.00	2.68
28	1.84	3.02	1.87	2.15	1.98	1.73	1.84	1.63	5.28	2.26	1.84	2.86
29	1.75	2.28	1.86	2.06	1.91	1.72	1.76	1.67	3.49	1.90	1.91	2.07
30	1.68	2.09	2.05	2.00	---	2.35	1.73	1.81	2.57	1.72	1.74	1.89
31	1.64	---	1.87	1.97	---	1.99	---	2.53	---	1.69	1.64	---
MEAN	1.70	---	---	2.06	---	1.88	1.99	---	2.34	---	1.96	2.47
MAX	2.60	---	---	4.51	---	2.64	5.00	---	5.28	---	3.76	7.18
MIN	1.48	---	---	1.75	---	1.71	1.66	---	1.57	---	1.56	1.66

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340406 LONGITUDE 0843208 NAD83 DRAINAGE AREA 33.6 CONTRIBUTING DRAINAGE AREA 33.6* DATUM 890.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	0.00	0.00	0.00	0.00	0.40	0.00	0.31	0.00	0.16
2	0.00	0.00	---	0.00	0.41	0.19	0.00	0.59	0.00	0.18	0.00	0.17
3	0.00	0.00	0.13	0.00	0.04	0.01	0.00	0.00	0.00	1.08	0.00	0.00
4	0.00	---	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00
5	0.01	---	0.03	0.71	0.02	0.00	0.00	0.00	0.00	0.00	1.57	0.00
6	0.01	---	0.00	0.00	1.26	0.54	0.00	0.00	0.00	1.52	0.00	0.00
7	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.01	0.00	3.25
8	0.31	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.08
9	0.00	0.00	0.00	0.23	0.00	0.03	0.00	0.85	0.01	0.15	0.00	0.00
10	0.00	0.00	1.03	0.00	0.06	0.00	0.00	0.90	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.18	0.00	0.32	0.01	0.00	---	0.00	0.00
12	0.00	0.01	0.00	0.00	0.63	0.00	1.25	0.75	0.08	0.00	0.84	0.00
13	0.00	0.00	0.17	0.00	0.00	0.00	0.93	0.07	0.97	---	0.00	0.00
14	0.04	0.00	---	0.00	0.18	0.00	0.00	0.00	0.02	0.01	0.00	0.00
15	0.00	0.00	---	0.00	0.62	0.00	0.00	0.00	0.46	0.00	0.00	0.00
16	0.00	0.15	0.23	0.00	0.00	0.21	0.02	0.00	0.35	0.00	0.00	4.02
17	0.09	0.47	0.14	0.27	---	0.00	0.00	0.66	0.01	1.33	0.44	0.12
18	0.00	---	0.02	0.07	---	0.00	0.00	0.63	0.22	0.00	0.00	0.00
19	0.00	---	0.00	0.00	---	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	0.00	---	0.00	0.00	---	0.03	0.00	0.00	0.00	0.00	0.18	0.00
21	0.00	---	0.00	0.00	---	0.00	0.00	0.00	1.18	0.00	0.13	0.00
22	0.00	---	0.00	0.00	---	0.00	0.00	---	0.11	0.00	0.00	0.00
23	0.00	---	0.64	0.00	---	0.00	0.00	---	0.52	0.00	0.00	0.00
24	0.00	---	0.04	0.00	---	0.00	0.00	0.00	0.11	0.00	0.17	0.00
25	0.00	---	0.00	2.10	---	0.00	0.01	0.00	0.25	0.80	1.54	0.00
26	1.04	---	0.00	0.01	0.46	0.00	0.94	0.00	0.03	0.85	0.00	0.00
27	0.01	---	0.00	0.01	0.01	0.00	0.00	0.00	1.46	0.00	0.00	1.45
28	0.00	---	0.00	0.00	0.01	0.00	0.00	0.03	0.74	0.00	0.06	0.05
29	0.00	---	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
30	0.00	---	0.13	0.00	---	0.59	0.00	0.02	0.25	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.15	---	0.86	---	0.16	0.00	---
TOTAL	1.78	---	---	3.44	---	1.75	3.48	---	7.40	---	4.93	9.30

02393500 ALLATOONA LAKE NEAR CARTERSVILLE, GA

LOCATION.—Lat 34°09'46", long 84°43'40", referenced to North American Datum (NAD) of 1927, Bartow County, Hydrologic Unit 03150104, at fore bay of dam on Etowah River, 2.8 miles upstream from Nashville, Chattanooga, & St. Louis Railway bridge, 4.0 miles east of Cartersville, and 6.0 miles upstream from Pumpkinvine Creek.

REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

2004 Water Year

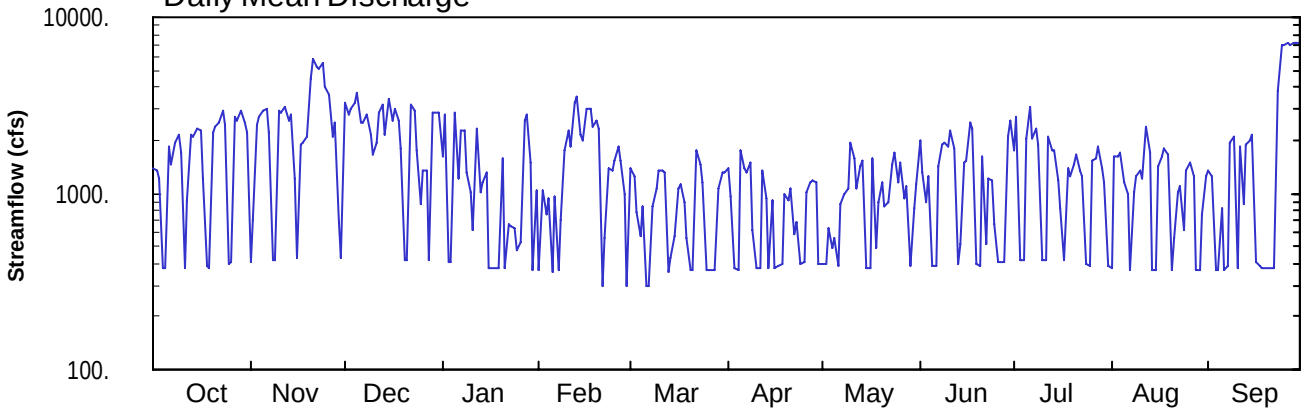
MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABV CARTERSVILLE,GA

Latitude: 34°09'47" Longitude: 084°44'28" Hydrologic Unit Code: 03150104

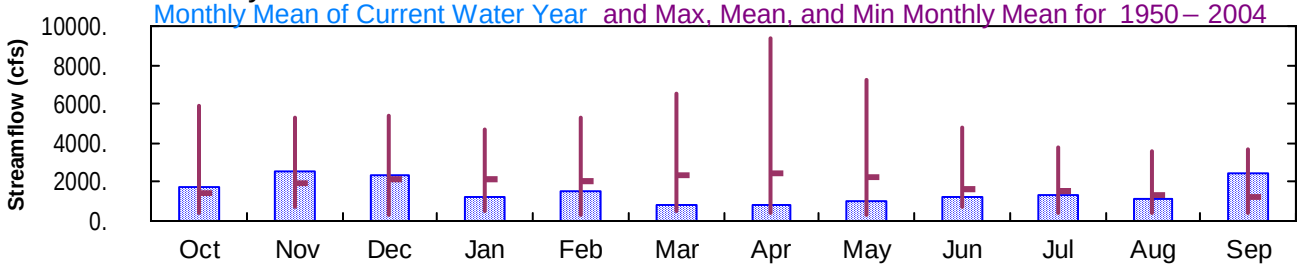
Bartow County Datum: 686.92 feet Drainage Area: 1119. mi^2

Daily Mean Discharge

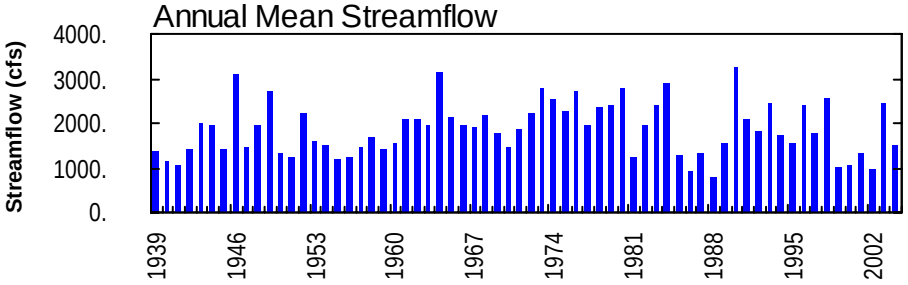


Monthly Statistics

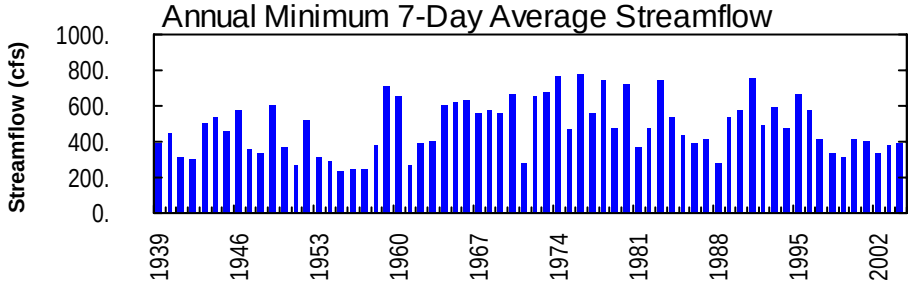
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1950 – 2004

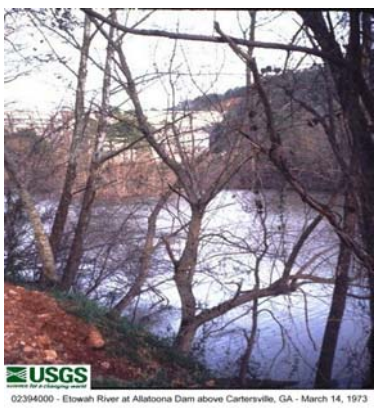


Annual Mean Streamflow

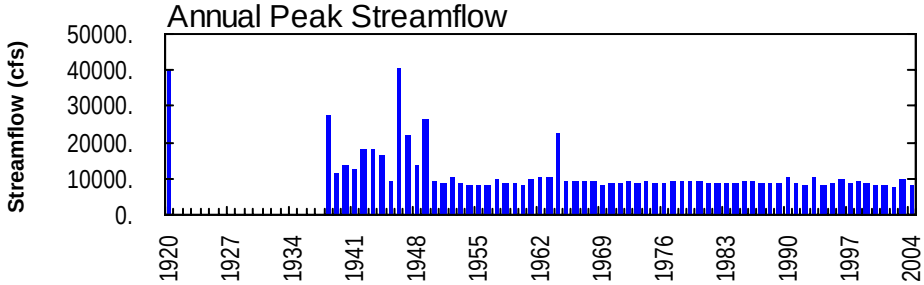


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA

LOCATION.—Lat 34°09'47", long 84°44'28", referenced to North American Datum (NAD) of 1927, Bartow County, Hydrologic Unit 03150104, on right bank 0.8 miles downstream from Allatoona Dam, 2.0 miles upstream from Nashville, Chattanooga, & St. Louis Railway bridge, and 3.0 miles east of Cartersville.

DRAINAGE AREA.—1,119 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville.

REVISED RECORDS.—WSP 1032: 1944. WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 686.92 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to December 19, 1938, a non-recording gage was located at same site and datum.

REMARKS.—Records good. Flow regulated by Allatoona Reservoir since December 1949. Statistics prior to regulation are available upon request.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 686.92 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to December 19, 1938, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.96 feet, January 2; minimum gage-height recorded, 0.96 feet, March 9.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 29, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02394000 ETOWAH RIVER AT ALLATOONA DAM, ABV CARTERSVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340947 LONGITUDE 0844428 NAD27 DRAINAGE AREA 1119 CONTRIBUTING DRAINAGE AREA 1119* DATUM 686.92 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1370	411	3240	1630	366	1400	1380	397	1980	1750	378	1350
2	1360	696	2790	2760	1050	1250	954	398	1320	2730	1610	1230
3	1220	2450	3060	411	771	777	372	635	899	416	1620	366
4	378	2720	3290	404	947	568	368	495	1250	416	1710	369
5	378	2940	3680	2870	360	842	1740	556	391	2040	1160	815
6	1830	3010	2540	1210	959	299	1370	391	391	3140	990	370
7	1460	2210	2520	2270	369	297	1320	876	1430	2060	370	391
8	1940	419	2810	2280	696	843	1490	978	1910	2340	1000	1930
9	2130	417	2160	1330	1750	1060	617	1060	1950	1910	1250	2110
10	1720	2920	1650	1010	2270	1350	376	1950	1860	419	1340	378
11	375	2910	1950	610	1830	1330	378	1580	2270	417	1220	1820
12	922	3140	2870	2350	3300	1320	1350	1060	1820	2080	2410	875
13	2160	2610	3200	1010	3540	354	939	1430	392	1760	1700	1910
14	2080	2820	2140	1140	2170	434	381	1550	517	1760	366	1980
15	2320	1210	3400	1330	2000	565	912	378	1510	1170	366	2130
16	2250	430	2580	382	2990	1080	378	377	1550	822	1430	411
17	1220	1880	3010	378	2990	1110	387	1570	2510	419	1630	387
18	387	1960	2590	378	2380	895	397	486	2310	1390	1810	379
19	381	2080	1790	378	2560	560	1000	888	392	1240	1650	378
20	2230	4460	420	1580	2310	363	908	1160	391	1440	367	378
21	2380	5760	417	378	297	366	1060	853	1620	1660	559	378
22	2540	5190	3180	661	559	1750	591	892	511	1370	1010	378
23	2970	5080	2910	652	1400	1440	680	1440	1210	1250	1110	3860
24	2480	5550	1740	641	1340	1160	402	1710	1180	393	625	7040
25	397	4010	859	471	1540	366	405	1150	661	382	1370	7000
26	404	3630	1340	533	1840	366	1010	1490	405	1550	1480	7050
27	2730	2120	1340	2580	1550	366	1140	942	407	1570	1250	7030
28	2560	2550	417	2770	992	366	1190	1100	406	1850	367	7060
29	2970	690	2830	1480	297	1070	1160	391	2120	1380	367	7060
30	2500	430	2900	366	---	1310	394	829	2590	1150	768	7100
31	2230	---	2880	1040	---	1320	---	1120	---	384	1230	---
TOTAL	52272	76703	72503	37283	45423	26577	25049	30132	38153	42658	34513	73913
MEAN	1686	2557	2339	1203	1566	857	835	972	1272	1376	1113	2464
MAX	2970	5760	3680	2870	3540	1750	1740	1950	2590	3140	2410	7100
MIN	375	411	417	366	297	297	368	377	391	382	366	366
CFSM	1.51	2.28	2.09	1.07	1.40	0.77	0.75	0.87	1.14	1.23	0.99	2.20
IN.	1.74	2.55	2.41	1.24	1.51	0.88	0.83	1.00	1.27	1.42	1.15	2.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	1479	1913	2134	2129	2034	2392	2489	2251	1618	1491	1369	1251
MAX	5880	5316	5447	4724	5256	6533	9407	7214	4847	3789	3524	3685
(WY)	1990	1978	1984	1972	1982	1990	1964	1964	1973	1989	1984	1967
MIN	448	667	332	476	268	493	360	288	710	430	423	399
(WY)	1987	1985	1955	1956	1956	2002	1988	1988	2002	1986	1986	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL TOTAL	877901		555179			
ANNUAL MEAN	2405		1517		1879	
HIGHEST ANNUAL MEAN					3233	1990
LOWEST ANNUAL MEAN					808	1988
HIGHEST DAILY MEAN	7370	Jan 3	7100	Sep 30	13600	Apr 10 1964
LOWEST DAILY MEAN	343	Feb 2	297	Feb 21 a	132	Mar 14 1993
ANNUAL SEVEN-DAY MINIMUM	379	Jan 29	384	Sep 16	235	Mar 20 1955
MAXIMUM PEAK FLOW			8250	Jan 2	22600	Mar 22 1964
MAXIMUM PEAK STAGE			6.96	Jan 2	15.00	Mar 22 1964
ANNUAL RUNOFF (CFSM)	2.15		1.36		1.68	
ANNUAL RUNOFF (INCHES)	29.18		18.46		22.81	
10 PERCENT EXCEEDS	5950		2900		4400	
50 PERCENT EXCEEDS	1920		1250		1390	
90 PERCENT EXCEEDS	385		378		274	

a Also Feb 29, Mar 7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02394000 ETOWAH RIVER AT ALLATOONA DAM, ABV CARTERSVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340947 LONGITUDE 0844428 NAD27 DRAINAGE AREA 1119 CONTRIBUTING DRAINAGE AREA 1119* DATUM 686.92 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.90	1.22	3.27	2.10	1.20	1.84	1.92	1.23	2.35	2.18	1.18	1.88
2	1.90	1.38	2.94	2.92	1.68	1.75	1.63	1.23	1.85	2.81	2.06	1.80
3	1.79	2.70	3.14	1.23	1.45	1.43	1.22	1.35	1.54	1.22	2.07	1.17
4	1.19	2.90	3.30	1.23	1.61	1.31	1.21	1.28	1.81	1.22	2.13	1.17
5	1.19	3.03	3.60	3.01	1.19	1.49	2.13	1.33	1.21	2.36	1.67	1.49
6	2.16	3.04	2.76	1.81	1.62	1.14	1.93	1.22	1.21	3.20	1.61	1.17
7	1.93	2.47	2.75	2.57	1.20	1.14	1.85	1.54	1.91	2.39	1.17	1.19
8	2.27	1.23	2.96	2.58	1.42	1.49	1.99	1.62	2.24	2.59	1.60	2.29
9	2.43	1.23	2.48	1.89	2.13	1.61	1.38	1.69	2.33	2.25	1.81	2.43
10	2.13	2.96	2.12	1.66	2.41	1.82	1.22	2.34	2.19	1.22	1.87	1.18
11	1.19	2.97	2.33	1.35	2.12	1.87	1.22	2.07	2.56	1.22	1.76	2.23
12	1.58	3.20	3.01	2.63	3.11	1.86	1.84	1.68	2.15	2.42	2.67	1.51
13	2.47	2.79	3.22	1.66	3.26	1.20	1.62	1.95	1.21	2.19	2.13	2.29
14	2.43	2.98	2.47	1.74	2.36	1.24	1.22	2.00	1.28	2.20	1.17	2.32
15	2.60	1.80	3.38	1.89	2.25	1.34	1.60	1.21	1.97	1.70	1.17	2.46
16	2.55	1.24	2.79	1.21	2.90	1.63	1.22	1.21	1.99	1.48	1.93	1.21
17	1.80	2.28	3.10	1.21	2.90	1.66	1.22	2.06	2.73	1.22	2.09	1.19
18	1.20	2.35	2.80	1.21	2.49	1.53	1.23	1.27	2.60	1.88	2.22	1.18
19	1.19	2.43	2.21	1.21	2.62	1.32	1.59	1.57	1.21	1.72	2.10	1.18
20	2.53	4.14	1.23	2.03	2.44	1.21	1.54	1.77	1.21	1.96	1.17	1.18
21	2.65	5.13	1.23	1.21	1.14	1.21	1.68	1.52	2.09	2.11	1.30	1.18
22	2.75	4.71	3.22	1.41	1.30	2.10	1.33	1.52	1.28	1.89	1.61	1.18
23	3.08	4.62	3.03	1.40	1.84	1.97	1.38	1.94	1.76	1.78	1.69	3.73
24	2.69	4.97	2.15	1.37	1.80	1.75	1.23	2.10	1.75	1.20	1.35	6.07
25	1.20	3.84	1.54	1.26	1.94	1.21	1.23	1.75	1.37	1.19	1.89	6.04
26	1.21	3.56	1.90	1.32	2.13	1.21	1.64	1.99	1.21	2.00	1.98	6.08
27	2.88	2.46	1.90	2.77	1.94	1.21	1.75	1.52	1.21	2.01	1.81	6.06
28	2.76	2.77	1.23	2.93	1.59	1.21	1.75	1.69	1.21	2.24	1.17	6.09
29	3.02	1.38	2.98	2.00	1.14	1.70	1.77	1.21	2.33	1.89	1.17	6.09
30	2.73	1.24	3.03	1.20	---	1.87	1.22	1.52	2.77	1.72	1.45	6.12
31	2.53	---	2.99	1.67	---	1.85	---	1.70	---	1.18	1.80	---
MEAN	2.13	2.77	2.61	1.80	1.97	1.52	1.53	1.62	1.82	1.89	1.70	2.71
MAX	3.08	5.13	3.60	3.01	3.26	2.10	2.13	2.34	2.77	3.20	2.67	6.12
MIN	1.19	1.22	1.23	1.20	1.14	1.14	1.21	1.21	1.21	1.18	1.17	1.17

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02394000 ETOWAH RIVER AT ALLATOONA DAM, ABV CARTERSVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340947 LONGITUDE 0844428 NAD27 DRAINAGE AREA 1119 CONTRIBUTING DRAINAGE AREA 1119* DATUM 686.92 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.06	0.00	0.10
2	0.00	0.00	0.00	0.00	0.54	0.33	0.00	0.36	0.00	0.66	0.00	0.01
3	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
4	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
5	0.00	0.16	0.00	0.50	0.01	0.00	0.00	0.00	0.00	0.21	0.24	0.00
6	0.00	0.14	0.01	0.00	1.62	0.35	0.00	0.00	0.00	1.08	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.25	0.01	0.00	3.04
8	0.00	0.00	0.00	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.11
9	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
10	0.00	0.00	0.88	0.00	0.08	0.00	0.00	0.00	0.00	0.08	0.00	0.00
11	0.00	0.00	0.00	0.00	0.16	0.00	0.38	0.01	0.00	0.00	0.00	0.00
12	0.00	0.01	0.00	0.00	0.56	0.00	1.20	0.01	0.00	0.90	2.22	0.00
13	0.00	0.00	0.17	0.00	0.00	0.00	0.49	0.37	0.15	0.00	0.00	0.00
14	0.00	0.00	0.11	0.00	0.14	0.00	0.00	0.01	0.05	0.01	0.00	0.00
15	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.17	0.00	0.00	0.00
16	0.11	0.21	0.20	0.00	0.00	0.19	0.00	0.02	0.07	0.00	0.00	3.26
17	0.21	0.13	0.11	0.16	0.00	0.00	0.00	0.07	0.00	0.20	0.00	0.11
18	0.00	2.84	0.01	0.07	0.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00
19	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.10	0.00
21	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.04	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00
23	0.00	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00
24	0.09	0.30	0.01	0.03	---	0.00	0.00	0.00	0.38	0.00	0.00	0.00
25	0.00	0.00	0.00	1.79	---	0.00	0.77	0.00	0.77	0.86	0.02	0.00
26	0.40	0.00	0.00	0.01	0.47	0.00	0.83	0.00	0.01	0.11	0.00	0.00
27	0.01	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.01	0.00	0.41
28	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.02	0.54	0.00	0.55	0.00
29	0.00	0.00	0.13	0.00	0.01	0.02	0.00	0.12	0.01	0.11	0.02	0.00
30	0.00	0.00	0.01	0.00	---	0.85	0.00	0.02	0.28	0.01	0.00	0.00
31	0.00	---	0.00	0.00	---	0.09	---	0.68	---	0.01	0.00	---
TOTAL	0.82	5.28	2.42	2.85	---	1.89	3.68	1.95	4.55	4.51	3.19	7.04

MOBILE RIVER BASIN
2004 Water Year

02394670 ETOWAH RIVER AT GA 61, NEAR CARTERSVILLE, GA

LOCATION.—Lat 34°08'34", long 84°50'20", referenced to North American Datum (NAD) of 1927, Bartow County, Hydrologic Unit 03150104, on GA 61, 3.0 miles southeast of Cartersville.

DRAINAGE AREA.—1,345 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1985 to current year (gage-heights only). Gage-height records collected from May 1937 to November 1939 at a site 200.00 feet upstream and from November 1939 until at least 1961, data collected at same site are contained in reports of National Weather Service. Gage-height records were collected at same site since December 1949 and discharge measurements for the period August 1945 to May 1975 in files of the U.S. Army Corps of Engineers.

GAGE.—Water-stage recorder with satellite telemetry. Datum of gage is 650.81 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Gage-height affected by Allatoona Reservoir Dam since December 1949.

EXTREMES FOR PERIOD OF RECORD.—Maximum recorded gage-height, 17.96 feet March 17, 1990; minimum recorded, 4.06 feet September. 10, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in April 1886 reached a gage-height of 37.0 feet, information supplied by U.S. Weather Service. Flood of December 19, 1919 reached a gage-height of 31.0 feet, information supplied by local resident. Flood of November 29, 1948 reached a gage-height of 30.0 feet, from U.S. Weather Service gage-height records. Minimum observed gage-height, 3.8 feet, September 25, 1939, from U.S. Weather Service gage-height records.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.57 feet, November 19; minimum gage-height recorded, 4.60 feet, June 14, September 6, 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 16, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02394670 ETOWAH RIVER AT GA 61, NEAR CARTERSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340834 LONGITUDE 0845020 NAD27 DRAINAGE AREA 1345.00 CONTRIBUTING DRAINAGE AREA 1345.00* DATUM 650.81 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.30	4.71	8.05	6.84	4.97	6.58	6.51	4.90	7.03	7.34	4.78	6.07
2	6.17	4.92	8.57	8.12	6.05	6.42	6.28	5.03	6.59	8.28	6.43	6.01
3	6.04	7.25	8.38	5.25	5.94	6.27	4.90	5.62	5.71	5.75	6.46	4.72
4	4.72	7.76	8.58	4.86	6.01	5.30	4.87	5.23	6.00	5.08	6.40	4.65
5	4.67	8.45	9.22	7.94	5.01	6.03	6.91	4.95	5.18	7.23	6.16	5.17
6	6.50	8.15	8.44	6.76	8.10	5.12	6.58	5.19	4.78	7.98	5.76	4.82
7	5.96	7.20	7.86	7.48	7.66	5.17	5.94	5.62	6.19	8.00	4.76	5.56
8	7.17	5.32	8.37	7.73	6.29	5.52	6.62	5.82	7.10	7.49	5.67	8.38
9	7.71	4.72	7.26	6.42	7.29	6.07	5.84	5.91	7.17	7.28	6.01	7.44
10	6.67	8.19	6.41	5.94	8.05	6.49	4.85	6.87	6.57	4.96	6.07	4.98
11	4.80	7.82	7.99	5.32	7.49	7.08	4.87	6.78	7.64	4.90	5.99	6.69
12	5.58	8.53	8.43	7.47	9.98	6.59	6.12	6.04	7.11	7.08	7.08	5.57
13	6.91	7.91	8.85	6.09	9.99	5.09	9.25	6.36	5.18	6.62	7.94	6.73
14	7.02	8.10	7.33	6.04	8.75	5.10	6.92	6.89	4.80	7.06	4.86	6.77
15	6.91	5.89	9.08	6.33	7.53	5.32	6.34	5.21	6.32	6.12	4.73	6.89
16	7.22	4.69	8.26	4.87	9.40	6.00	5.25	4.82	6.82	5.09	6.17	6.03
17	6.23	6.24	8.37	4.84	9.42	6.28	5.11	6.51	7.57	5.23	6.49	10.12
18	5.06	6.93	8.41	4.88	8.04	5.92	5.02	5.72	8.18	6.39	6.72	6.32
19	4.68	10.96	7.32	4.90	8.47	5.48	5.82	5.96	4.92	6.04	6.42	5.38
20	6.60	10.39	4.96	6.57	8.67	4.90	5.82	6.16	4.76	6.37	4.74	5.08
21	7.29	11.37	4.90	5.06	5.19	4.90	5.94	5.68	6.44	6.51	5.03	4.95
22	7.55	11.23	8.03	5.36	5.39	6.74	5.45	5.71	5.22	6.16	5.13	4.89
23	8.52	10.74	8.34	5.36	6.38	6.83	5.49	6.57	6.19	5.94	6.39	8.07
24	7.88	10.92	7.53	5.32	6.82	5.82	4.86	6.90	6.16	4.89	5.10	12.82
25	4.82	9.74	6.21	6.18	6.53	5.28	4.90	6.08	5.42	4.72	6.17	12.82
26	4.68	9.58	6.31	7.81	7.51	4.86	6.32	6.51	5.05	6.58	6.26	12.89
27	7.68	7.91	6.27	8.83	7.62	4.86	6.18	5.81	5.23	6.77	5.97	12.87
28	7.99	8.30	4.91	8.36	6.41	4.86	6.66	6.07	6.62	7.14	4.64	12.96
29	8.20	6.04	7.87	7.37	4.97	5.59	5.74	4.79	7.81	6.29	4.77	12.95
30	8.11	5.02	8.37	5.09	---	6.66	5.47	5.53	8.42	6.05	5.33	12.97
31	7.46	---	8.38	6.07	---	6.52	---	6.16	---	4.93	5.87	---
MEAN	6.55	7.83	7.65	6.31	7.24	5.80	5.89	5.85	6.27	6.33	5.82	7.72
MAX	8.52	11.37	9.22	8.83	9.99	7.08	9.25	6.90	8.42	8.28	7.94	12.97
MIN	4.67	4.69	4.90	4.84	4.97	4.86	4.85	4.79	4.76	4.72	4.64	4.65

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02394670 ETOWAH RIVER AT GA 61, NEAR CARTERSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340834 LONGITUDE 0845020 NAD27 DRAINAGE AREA 1345.00 CONTRIBUTING DRAINAGE AREA 1345.00* DATUM 650.81 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.02	0.23	0.00	1.20
2	0.00	0.00	0.00	0.00	0.55	0.22	0.00	0.46	0.01	0.66	0.06	0.00
3	0.00	0.00	0.08	0.00	0.03	0.00	0.00	0.01	0.00	0.01	0.01	0.00
4	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
5	0.00	0.00	0.03	0.63	0.00	0.00	0.01	0.00	0.00	0.00	0.31	0.00
6	0.06	0.35	0.00	0.00	2.03	0.55	0.00	0.00	0.00	0.58	0.00	0.01
7	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.01	0.00	2.76
8	0.26	0.00	0.00	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.09
9	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.08	0.00	0.03	0.00	0.01
10	0.03	0.00	0.82	0.00	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.20	0.00	0.43	0.00	0.00	0.00	0.00	0.00
12	0.00	0.05	0.00	0.00	0.56	0.00	---	0.07	0.00	0.13	1.13	0.00
13	0.01	0.01	0.25	0.00	0.01	0.00	---	0.57	0.28	0.03	0.00	0.00
14	0.02	0.00	0.10	0.00	0.15	0.00	---	0.00	0.19	0.02	0.00	0.00
15	0.00	0.00	0.00	0.00	0.34	0.00	0.01	0.00	0.09	0.01	0.00	0.00
16	0.04	0.19	0.21	0.00	0.00	0.16	0.00	0.04	0.10	0.02	0.00	2.94
17	0.20	0.11	0.11	0.19	0.00	0.00	0.00	2.20	0.01	0.01	0.00	0.11
18	0.00	3.17	0.02	0.07	0.00	0.00	0.00	0.87	0.15	0.01	0.00	0.00
19	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.01	0.11	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.02	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.01	0.00	0.00
23	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.01	0.00
24	0.00	0.47	0.01	0.04	0.01	0.00	0.00	0.00	0.76	0.00	0.01	0.00
25	0.00	0.00	0.00	2.06	0.22	0.00	0.96	0.00	1.05	1.10	0.00	0.00
26	0.22	0.00	0.00	0.00	0.62	0.00	1.15	0.00	0.03	0.04	0.00	0.00
27	0.02	1.05	0.00	0.00	0.01	0.00	0.00	0.00	0.98	0.03	0.00	0.17
28	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.04	0.56	0.01	0.05	0.00
29	0.00	0.00	0.14	0.00	0.00	0.02	0.00	0.17	0.00	0.00	0.01	0.00
30	0.00	0.00	0.02	0.00	---	0.88	0.00	0.00	0.57	0.08	0.00	0.00
31	0.00	---	0.00	0.00	---	0.18	---	0.85	---	0.07	0.00	---
TOTAL	1.16	5.85	2.50	3.30	4.82	2.11	---	5.45	6.66	3.22	1.73	7.29

MOBILE RIVER BASIN
2004 Water Year

02394820 EUHARLEE CREEK AT US 278, AT ROCKMART, GA

LOCATION.—Lat 33°59'55", long 85°03'09", referenced to North American Datum (NAD) of 1927, Polk County, Hydrologic Unit 03150104, at US 278 at Rockmart.

DRAINAGE AREA.—42.1 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1961, 1974, 1979, 1984 to current year.

GAGE.--Crest-stage partial-record gage. Datum of gage is 732.98 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 15.00 feet, March 4, 1979
DISCHARGE: 7,000 cfs, March 4, 1979

MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.55 feet, September 16
DISCHARGE: 1,860 cfs, September 16

MOBILE RIVER BASIN
2004 Water Year

02394869 EUHARLEE CREEK NEAR ARAGON, GA

LOCATION.—Lat 34°04'33", long 85°01'57", referenced to North American Datum (NAD) of 1927, Polk County, Hydrologic Unit 03150104, 0.26 miles upstream of Taylorsville Road bridge, 2.6 miles northeast of Aragon.

DRAINAGE AREA.—93.1 square miles.

COOPERATION.—Polk County Water, Sewage, and Solid Waste Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—July 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 690.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 2 is effective from October 15, 2003 to September 30, 2004.

REMARKS.—Records good. Measurements for current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/15/03	9.60	50.5
12/17/03	9.60	77.6
03/25/04	9.74	66.5

02394870 EUHARLEE CREEK AT TAYLORSVILLE ROAD, NEAR ARAGON, GA

LOCATION.—Lat 34°04'33", long 85°01'47", referenced to North American Datum (NAD) of 1927, Polk County, Hydrologic Unit 03150104, upstream of Taylorsville Road bridge, 2.6 miles northeast of Aragon.

DRAINAGE AREA.—98.1 square miles.

COOPERATION.—Polk County Water, Sewage, and Solid Waste Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—July 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 690.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 2 is effective from October 15, 2003 to September 30, 2004.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/15/03	9.60	50.5
12/17/03	9.60	77.6
03/25/04	9.74	66.5

MOBILE RIVER BASIN
2004 Water Year

02395000 ETOWAH RIVER NEAR KINGSTON, GA

LOCATION.—Lat 34°12'24", long 84°58'44", referenced to North American Datum (NAD) of 1927, Bartow County, Hydrologic Unit 03150104, on right bank 125.0 feet from the downstream side of bridge on US 411, 1.1 miles above Two Run Creek, 26.4 miles downstream from Allatoona Dam, 2.5 miles southwest of Kingston.

DRAINAGE AREA.—1,634 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1928 to December 1931; November 1936 to April 1937; June 1937 to April 1960; June 1960 to October 1995; July 2, 2001 to September 30, 2001.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 609.97 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Flow regulated by Lake Allatoona.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.40 feet, November 19; minimum gage-height recorded, 3.22 feet, September 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 2, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395000 ETOWAH RIVER NEAR KINGSTON,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 341232.2 LONGITUDE 0845843.43 NAD27 DRAINAGE AREA 1634.00 CONTRIBUTING DRAINAGE AREA 1634* DATUM 609.97 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.94	4.10	5.63	5.67	4.16	4.97	5.01	3.87	4.85	5.93	3.71	4.62
2	4.85	3.69	6.47	5.95	4.82	5.20	5.60	3.92	5.36	6.17	4.08	4.81
3	4.92	4.55	6.36	5.01	4.82	5.26	4.02	4.17	4.51	5.42	4.89	3.83
4	4.42	5.89	6.36	3.91	4.89	4.52	---	4.46	4.53	4.12	4.76	3.47
5	3.68	6.53	6.92	5.11	4.14	5.12	---	3.91	4.50	4.90	4.74	3.45
6	4.02	6.05	6.78	6.26	6.49	4.32	5.59	4.10	3.65	5.44	4.52	4.03
7	4.85	5.69	6.08	5.30	7.64	4.58	4.21	3.82	3.78	6.48	4.26	3.96
8	5.22	5.17	6.54	5.99	5.69	4.34	5.20	4.50	5.41	5.62	3.79	6.34
9	6.37	3.73	5.80	5.71	5.75	5.18	4.88	4.65	5.29	5.85	4.53	5.63
10	5.18	5.44	4.72	4.74	6.39	5.07	4.23	4.72	4.91	4.45	4.54	4.54
11	4.33	5.64	6.56	4.30	6.02	5.85	3.92	5.65	5.67	3.84	4.39	4.45
12	4.17	6.28	6.52	5.14	7.35	5.38	---	4.87	5.50	4.44	5.34	4.62
13	4.46	6.15	6.32	5.47	7.90	4.36	---	4.85	4.72	5.19	6.54	4.95
14	5.38	6.98	6.15	4.63	7.14	4.24	---	5.05	3.62	5.22	4.52	4.94
15	5.19	4.68	6.76	5.10	5.99	4.38	5.11	4.60	4.14	5.11	3.65	5.05
16	5.54	3.74	6.42	3.95	7.45	4.45	4.36	3.74	4.99	4.08	3.95	5.38
17	5.34	3.98	6.36	3.88	7.37	5.08	4.16	4.21	5.64	4.22	4.90	9.33
18	4.67	5.17	6.59	3.92	6.76	4.96	4.07	5.15	6.10	4.34	5.28	5.71
19	3.70	9.21	6.30	3.94	6.66	4.67	4.02	4.44	4.69	4.66	4.63	4.55
20	3.91	7.70	4.22	4.57	6.48	4.06	4.71	5.00	3.62	4.54	4.34	4.17
21	5.54	8.32	3.96	4.60	5.15	4.04	4.55	4.09	3.95	4.88	3.74	3.98
22	5.74	8.35	5.37	4.24	4.57	4.55	4.70	4.33	4.80	4.82	3.60	3.88
23	6.55	7.99	6.41	4.24	4.93	6.08	4.49	4.98	4.46	4.29	4.66	4.98
24	6.21	8.09	6.35	4.22	5.42	4.40	3.94	5.07	4.93	4.47	4.09	9.18
25	4.66	7.57	5.34	4.62	5.11	4.63	3.83	4.75	4.05	3.53	4.64	9.20
26	3.67	7.46	5.03	6.91	5.95	3.97	---	4.92	4.28	4.37	4.67	9.22
27	5.25	6.75	4.98	6.69	6.14	3.96	5.15	4.67	4.03	5.25	4.47	9.23
28	5.78	6.10	4.04	6.45	5.76	3.95	5.03	4.83	5.45	5.43	3.91	9.28
29	6.35	5.45	5.14	6.60	4.32	3.93	4.76	3.96	5.50	4.97	3.55	9.29
30	6.32	4.18	6.43	4.33	---	5.30	4.77	3.80	6.24	4.69	3.85	9.29
31	5.95	---	6.68	4.91	---	5.29	---	4.81	---	4.36	3.92	---
MEAN	5.07	6.02	5.92	5.04	5.91	4.71	---	4.51	4.77	4.87	4.40	5.85
MAX	6.55	9.21	6.92	6.91	7.90	6.08	---	5.65	6.24	6.48	6.54	9.33
MIN	3.67	3.69	3.96	3.88	4.14	3.93	---	3.74	3.62	3.53	3.55	3.45

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395000 ETOWAH RIVER NEAR KINGSTON,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 341232.2 LONGITUDE 0845843.43 NAD27 DRAINAGE AREA 1634.00 CONTRIBUTING DRAINAGE AREA 1634* DATUM 609.97 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	---	0.09	0.00	0.00
2	0.00	0.00	0.00	0.00	0.44	0.56	0.00	0.59	---	0.68	0.01	0.00
3	0.00	0.00	0.10	0.00	0.02	0.00	0.00	0.00	0.00	0.29	0.00	0.00
4	0.00	0.00	0.08	0.00	0.00	0.01	---	0.01	0.00	0.01	0.00	0.00
5	0.00	0.05	0.00	0.45	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00
6	0.01	0.16	0.00	0.00	2.35	0.54	0.00	0.00	0.00	0.72	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00
8	0.07	0.00	0.00	0.06	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.78	0.00	0.06	0.00	0.00	0.00	0.00	0.00	---	0.00
11	0.00	0.00	0.00	0.00	0.17	0.00	0.19	0.00	0.00	0.10	---	0.00
12	0.00	0.04	0.01	0.00	0.52	0.00	---	0.56	0.00	0.11	---	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.11	0.10	---	0.00
14	0.01	0.00	0.00	0.00	0.09	0.00	---	0.01	0.37	0.01	---	0.00
15	0.01	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.01	0.00	---	0.00
16	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.05	0.07	0.00	---	3.42
17	0.10	0.00	0.00	0.15	0.00	0.00	0.00	0.05	0.08	0.03	0.00	0.08
18	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.05	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00
23	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.01	0.39	0.00	0.00	0.00
24	0.00	0.00	0.01	0.05	0.01	0.00	0.00	0.00	0.31	0.58	0.00	0.00
25	0.00	0.00	0.00	2.58	0.18	0.00	0.25	0.01	0.65	1.18	0.00	0.00
26	0.01	0.00	0.00	0.00	0.61	0.00	---	0.01	0.29	0.11	0.00	0.00
27	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.04	0.02	0.00	0.11
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00
29	0.00	0.00	0.20	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00
30	0.00	0.00	0.06	0.02	---	0.52	0.00	0.03	0.88	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.17	---	---	---	0.31	0.00	---
TOTAL	0.22	0.25	1.79	3.64	4.78	2.09	---	---	---	4.35	---	3.61

2004 Water Year

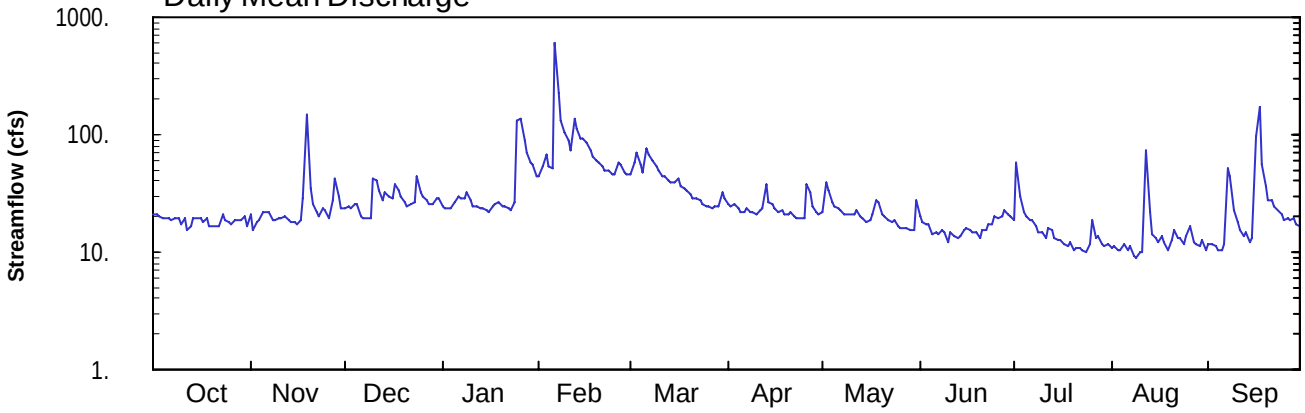
MOBILE RIVER BASIN

02395120 TWO RUN CREEK NEAR KINGSTON, GA

Latitude: 34°14'34" Longitude: 084°53'23" Hydrologic Unit Code: 03150104

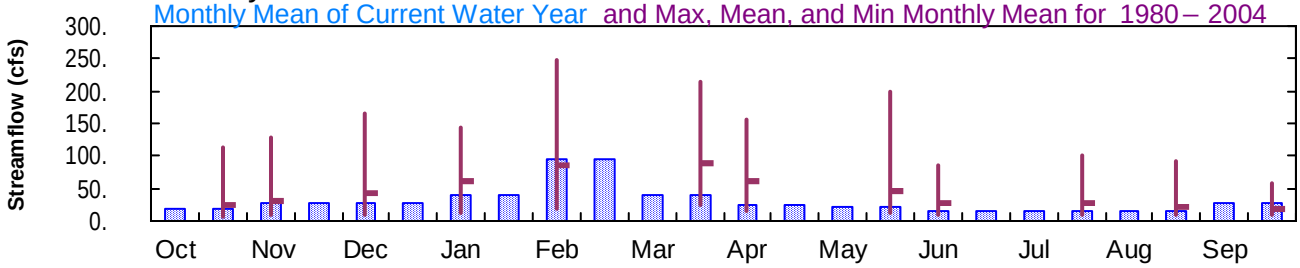
Bartow County Datum: 723.10 feet Drainage Area: 33.1 mi^2

Daily Mean Discharge

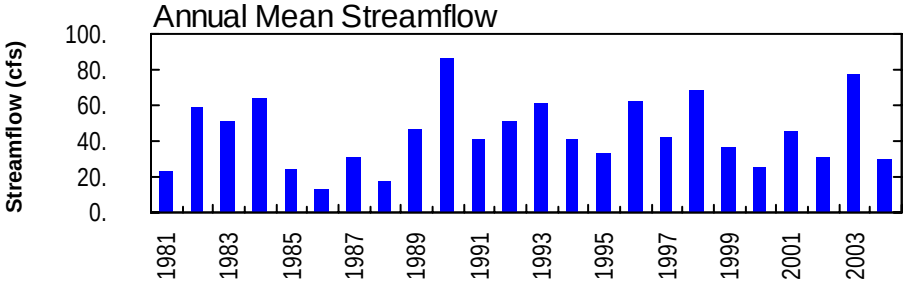


Monthly Statistics

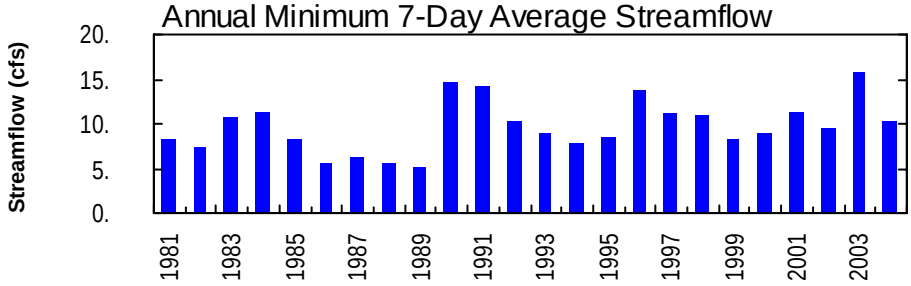
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1980 – 2004



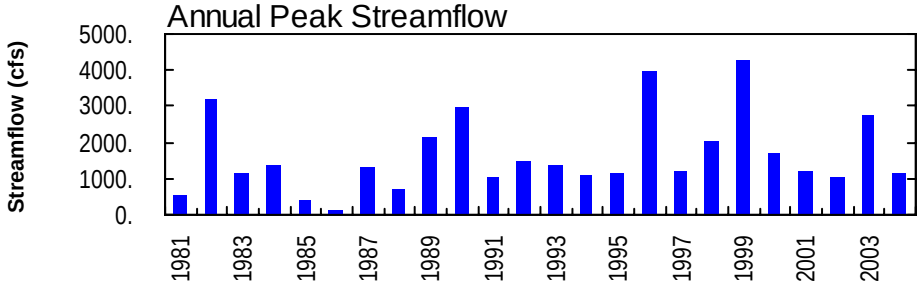
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02395120 TWO RUN CREEK NEAR KINGSTON, GA

LOCATION.—Lat 34°14'34", long 84°53'23", referenced to North American Datum (NAD) of 1983, Bartow County, Hydrologic Unit 03150104, on right bank 200.0 feet upstream from bridge on GA 293, 1.9 miles upstream from Limekiln Branch, and 3.0 miles east of Kingston.

DRAINAGE AREA.—33.1 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1980 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 723.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/06	1630	1,160*	5.97*
09/16	2330	507	4.39

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1980 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 723.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.97 feet, February 6; minimum gage-height recorded, 1.12 feet, August 8, 9.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395120 TWO RUN CREEK NEAR KINGSTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 341434 LONGITUDE 0845323 NAD83 DRAINAGE AREA 33.10 CONTRIBUTING DRAINAGE AREA 33.10* DATUM 723.10 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	21	24	24	45	46	26	21	20	19	11	12
2	21	15	24	23	53	57	24	39	18	57	11	12
3	20	18	23	24	67	71	25	33	17	30	10	11
4	19	18	25	24	53	55	24	27	17	22	10	10
5	19	22	25	27	52	48	22	25	14	20	12	10
6	20	22	20	29	595	76	22	24	15	19	11	12
7	19	22	20	29	227	67	24	23	14	19	11	52
8	20	19	19	28	134	60	22	21	16	17	9.4	45
9	20	18	20	32	104	53	22	21	15	15	9.0	23
10	17	19	43	27	89	49	21	21	12	15	10	18
11	19	20	41	25	74	45	23	21	15	13	10	16
12	15	20	34	25	136	45	23	23	13	16	72	13
13	16	18	28	24	112	41	37	20	13	16	22	15
14	20	18	33	24	92	40	27	19	14	13	14	12
15	19	18	29	22	92	39	26	18	16	13	13	13
16	20	17	28	22	85	42	23	19	16	13	12	98
17	18	18	37	24	74	36	22	21	15	12	13	174
18	19	29	34	26	66	35	23	27	15	11	12	55
19	16	148	30	27	60	34	21	26	15	12	10	36
20	16	34	26	25	59	31	21	21	13	10	13	27
21	17	25	25	25	53	29	21	20	15	11	16	27
22	17	22	26	23	50	28	20	19	15	11	13	24
23	21	20	27	23	49	27	19	18	17	11	13	22
24	19	23	44	27	46	25	19	19	17	10	12	21
25	18	23	33	133	45	25	19	17	21	12	14	19
26	18	19	30	138	57	25	38	16	19	19	16	19
27	19	28	27	88	56	24	32	16	20	13	12	19
28	18	43	26	70	48	24	24	16	23	14	12	19
29	18	30	25	59	45	25	22	15	21	12	11	18
30	20	24	29	55	---	33	21	16	20	11	13	17
31	17	---	29	43	---	28	---	27	---	12	10	---
TOTAL	576	791	884	1195	2718	1263	713	669	491	498	437.4	869
MEAN	18.6	26.4	28.5	38.5	93.7	40.7	23.8	21.6	16.4	16.1	14.1	29.0
MAX	21	148	44	138	595	76	38	39	23	57	72	174
MIN	15	15	19	22	45	24	19	15	12	10	9.0	10
CFSM	0.56	0.80	0.86	1.16	2.83	1.23	0.72	0.65	0.49	0.49	0.43	0.88
IN.	0.65	0.89	0.99	1.34	3.05	1.42	0.80	0.75	0.55	0.56	0.49	0.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	23.6	29.9	43.3	62.1	85.6	89.0	60.3	44.6	27.7	27.6	21.2	19.5
MAX	112	129	164	144	247	213	156	198	86.2	100	90.9	57.9
(WY)	1990	1993	1984	1996	1990	1990	1982	2003	2001	2003	1992	1989
MIN	7.25	9.28	8.93	11.5	18.9	24.9	15.4	11.4	7.97	8.27	7.72	8.39
(WY)	1988	1988	1989	1981	1986	1988	1986	1986	1988	1986	1988	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	24097		11104.4			
ANNUAL MEAN	66.0		30.3		44.4	
HIGHEST ANNUAL MEAN					86.2	1990
LOWEST ANNUAL MEAN					12.9	1986
HIGHEST DAILY MEAN	1290	May 18	595	Feb 6	1840	Jan 27 1996
LOWEST DAILY MEAN	15	Oct 12	9.0	Aug 9	4.5	Oct 12 1988
ANNUAL SEVEN-DAY MINIMUM	18	Oct 16	10	Aug 3	5.2	Oct 7 1988
MAXIMUM PEAK FLOW			1160	Feb 6	4300	Jul 12 1999
MAXIMUM PEAK STAGE			5.97	Feb 6	8.65	Jul 12 1999
ANNUAL RUNOFF (CFSM)	1.99		0.917		1.34	
ANNUAL RUNOFF (INCHES)	27.08		12.48		18.21	
10 PERCENT EXCEEDS	105		54		83	
50 PERCENT EXCEEDS	40		21		23	
90 PERCENT EXCEEDS	20		12		11	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395120 TWO RUN CREEK NEAR KINGSTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 341434 LONGITUDE 0845323 NAD83 DRAINAGE AREA 33.10 CONTRIBUTING DRAINAGE AREA 33.10* DATUM 723.10 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	21	24	24	45	46	26	21	20	19	11	12
2	21	15	24	23	53	57	24	39	18	57	11	12
3	20	18	23	24	67	71	25	33	17	30	10	11
4	19	18	25	24	53	55	24	27	17	22	10	10
5	19	22	25	27	52	48	22	25	14	20	12	10
6	20	22	20	29	595	76	22	24	15	19	11	12
7	19	22	20	29	227	67	24	23	14	19	11	52
8	20	19	19	28	134	60	22	21	16	17	9.4	45
9	20	18	20	32	104	53	22	21	15	15	9.0	23
10	17	19	43	27	89	49	21	21	12	15	10	18
11	19	20	41	25	74	45	23	21	15	13	10	16
12	15	20	34	25	136	45	23	23	13	16	72	13
13	16	18	28	24	112	41	37	20	13	16	22	15
14	20	18	33	24	92	40	27	19	14	13	14	12
15	19	18	29	22	92	39	26	18	16	13	13	13
16	20	17	28	22	85	42	23	19	16	13	12	98
17	18	18	37	24	74	36	22	21	15	12	13	174
18	19	29	34	26	66	35	23	27	15	11	12	55
19	16	148	30	27	60	34	21	26	15	12	10	36
20	16	34	26	25	59	31	21	21	13	10	13	27
21	17	25	25	25	53	29	21	20	15	11	16	27
22	17	22	26	23	50	28	20	19	15	11	13	24
23	21	20	27	23	49	27	19	18	17	11	13	22
24	19	23	44	27	46	25	19	19	17	10	12	21
25	18	23	33	133	45	25	19	17	21	12	14	19
26	18	19	30	138	57	25	38	16	19	19	16	19
27	19	28	27	88	56	24	32	16	20	13	12	19
28	18	43	26	70	48	24	24	16	23	14	12	19
29	18	30	25	59	45	25	22	15	21	12	11	18
30	20	24	29	55	---	33	21	16	20	11	13	17
31	17	---	29	43	---	28	---	27	---	12	10	---
TOTAL	576	791	884	1195	2718	1263	713	669	491	498	437.4	869
MEAN	18.6	26.4	28.5	38.5	93.7	40.7	23.8	21.6	16.4	16.1	14.1	29.0
MAX	21	148	44	138	595	76	38	39	23	57	72	174
MIN	15	15	19	22	45	24	19	15	12	10	9.0	10
CFSM	0.56	0.80	0.86	1.16	2.83	1.23	0.72	0.65	0.49	0.49	0.43	0.88
IN.	0.65	0.89	0.99	1.34	3.05	1.42	0.80	0.75	0.55	0.56	0.49	0.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	23.6	29.9	43.3	62.1	85.6	89.0	60.3	44.6	27.7	27.6	21.2	19.5
MAX	112	129	164	144	247	213	156	198	86.2	100	90.9	57.9
(WY)	1990	1993	1984	1996	1990	1990	1982	2003	2001	2003	1992	1989
MIN	7.25	9.28	8.93	11.5	18.9	24.9	15.4	11.4	7.97	8.27	7.72	8.39
(WY)	1988	1988	1989	1981	1986	1988	1986	1986	1988	1986	1988	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	24097		11104.4			
ANNUAL MEAN	66.0		30.3		44.4	
HIGHEST ANNUAL MEAN					86.2	1990
LOWEST ANNUAL MEAN					12.9	1986
HIGHEST DAILY MEAN	1290	May 18	595	Feb 6	1840	Jan 27 1996
LOWEST DAILY MEAN	15	Oct 12	9.0	Aug 9	4.5	Oct 12 1988
ANNUAL SEVEN-DAY MINIMUM	18	Oct 16	10	Aug 3	5.2	Oct 7 1988
MAXIMUM PEAK FLOW			1160	Feb 6	4300	Jul 12 1999
MAXIMUM PEAK STAGE			5.97	Feb 6	8.65	Jul 12 1999
ANNUAL RUNOFF (CFSM)	1.99		0.917		1.34	
ANNUAL RUNOFF (INCHES)	27.08		12.48		18.21	
10 PERCENT EXCEEDS	105		54		83	
50 PERCENT EXCEEDS	40		21		23	
90 PERCENT EXCEEDS	20		12		11	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395120 TWO RUN CREEK NEAR KINGSTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 341434 LONGITUDE 0845323 NAD83 DRAINAGE AREA 33.10 CONTRIBUTING DRAINAGE AREA 33.10* DATUM 723.10 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.24	1.27	1.29	1.30	1.43	1.44	1.31	1.27	1.26	1.24	1.17	1.18
2	1.24	1.21	1.30	1.29	1.48	1.51	1.30	1.39	1.24	1.50	1.17	1.18
3	1.23	1.24	1.29	1.29	1.56	1.58	1.30	1.36	1.23	1.34	1.16	1.17
4	1.23	1.24	1.30	1.29	1.48	1.49	1.29	1.32	1.23	1.28	1.16	1.16
5	1.22	1.28	1.30	1.31	1.48	1.45	1.28	1.30	1.20	1.26	1.17	1.16
6	1.23	1.28	1.26	1.34	4.07	1.61	1.28	1.29	1.21	1.25	1.16	1.17
7	1.22	1.28	1.26	1.33	2.56	1.56	1.29	1.29	1.20	1.25	1.17	1.45
8	1.26	1.24	1.25	1.33	1.93	1.52	1.27	1.27	1.22	1.23	1.15	1.43
9	1.26	1.24	1.25	1.35	1.77	1.48	1.28	1.26	1.21	1.21	1.14	1.28
10	1.23	1.25	1.42	1.32	1.68	1.46	1.27	1.26	1.18	1.21	1.15	1.24
11	1.24	1.26	1.41	1.30	1.60	1.44	1.28	1.27	1.21	1.19	1.16	1.22
12	1.21	1.26	1.36	1.30	1.96	1.43	1.29	1.28	1.19	1.22	1.58	1.20
13	1.22	1.24	1.32	1.29	1.81	1.41	1.39	1.26	1.19	1.21	1.27	1.21
14	1.25	1.24	1.36	1.29	1.70	1.40	1.31	1.25	1.20	1.19	1.20	1.18
15	1.25	1.24	1.34	1.28	1.70	1.40	1.31	1.24	1.22	1.19	1.19	1.19
16	1.25	1.23	1.33	1.28	1.66	1.42	1.29	1.24	1.22	1.19	1.18	1.75
17	1.24	1.24	1.38	1.29	1.60	1.38	1.28	1.26	1.21	1.18	1.20	2.22
18	1.25	1.31	1.36	1.31	1.56	1.37	1.28	1.32	1.21	1.17	1.18	1.50
19	1.22	2.07	1.34	1.31	1.53	1.36	1.27	1.31	1.21	1.18	1.16	1.38
20	1.22	1.37	1.31	1.30	1.52	1.35	1.26	1.27	1.19	1.16	1.19	1.32
21	1.23	1.30	1.30	1.30	1.48	1.33	1.27	1.25	1.21	1.17	1.22	1.32
22	1.23	1.28	1.31	1.29	1.46	1.33	1.26	1.24	1.21	1.16	1.19	1.29
23	1.27	1.26	1.31	1.28	1.46	1.32	1.25	1.24	1.23	1.16	1.19	1.28
24	1.24	1.29	1.43	1.31	1.44	1.30	1.25	1.25	1.23	1.16	1.18	1.26
25	1.24	1.29	1.36	1.97	1.44	1.30	1.25	1.22	1.26	1.18	1.20	1.25
26	1.23	1.25	1.34	1.97	1.51	1.30	1.39	1.22	1.25	1.24	1.22	1.25
27	1.25	1.32	1.32	1.68	1.50	1.29	1.35	1.22	1.26	1.19	1.18	1.25
28	1.24	1.42	1.31	1.58	1.46	1.30	1.29	1.22	1.28	1.20	1.18	1.25
29	1.24	1.34	1.30	1.52	1.44	1.30	1.28	1.21	1.27	1.18	1.17	1.23
30	1.26	1.29	1.33	1.49	---	1.36	1.27	1.22	1.26	1.17	1.19	1.22
31	1.23	---	1.33	1.43	---	1.33	---	1.31	---	1.18	1.16	---
MEAN	1.24	1.30	1.32	1.38	1.70	1.40	1.29	1.27	1.22	1.21	1.19	1.31
MAX	1.27	2.07	1.43	1.97	4.07	1.61	1.39	1.39	1.28	1.50	1.58	2.22
MIN	1.21	1.21	1.25	1.28	1.43	1.29	1.25	1.21	1.18	1.16	1.14	1.16

2004 Water Year

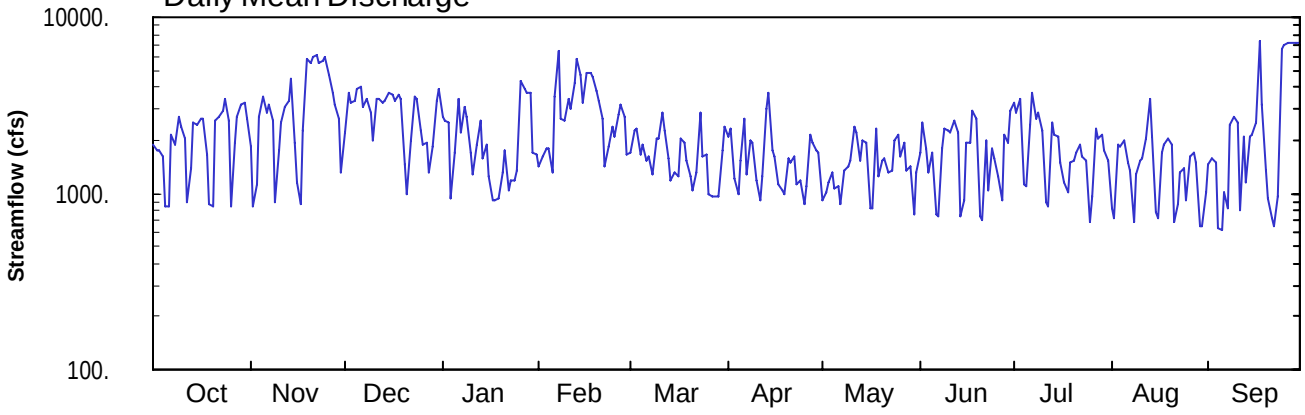
MOBILE RIVER BASIN

02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA

Latitude: 34°13'56" Longitude: 085°07'01" Hydrologic Unit Code: 03150104

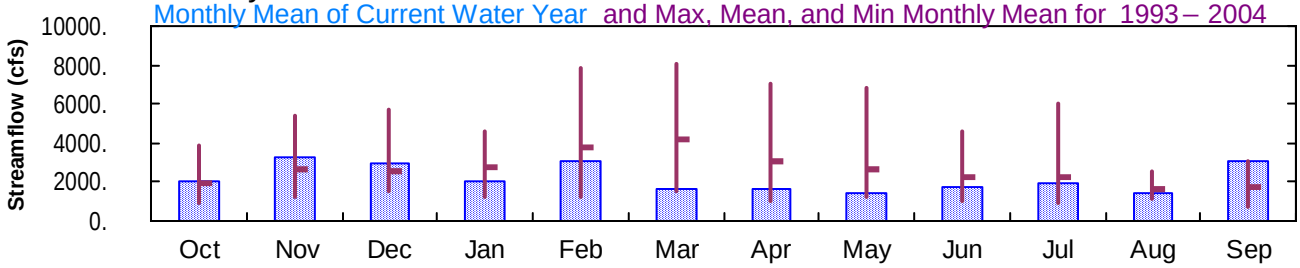
Floyd County Datum: 561.70 feet Drainage Area: 1801. mi²

Daily Mean Discharge

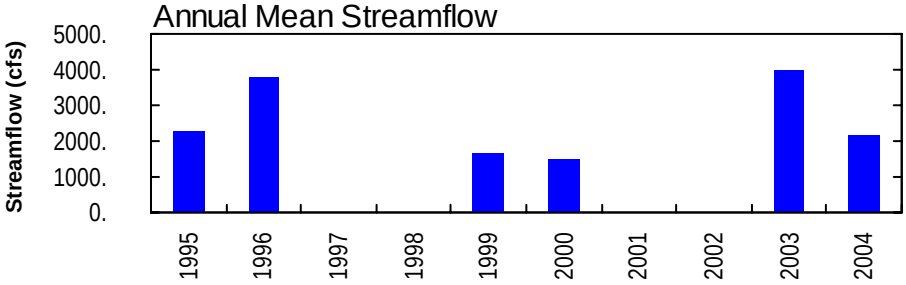


Monthly Statistics

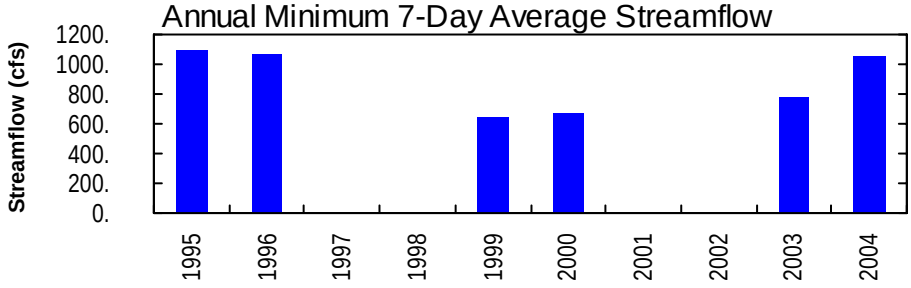
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1993 – 2004



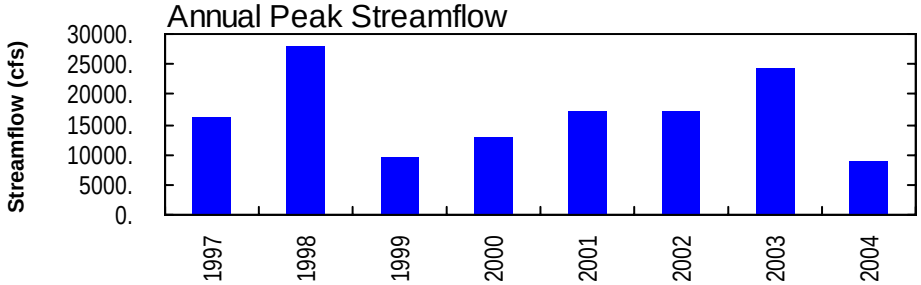
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA

LOCATION.—Lat 34°13'56", long 85°07'01", referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150104, on downstream side of center pier of Loop 1 by-pass bridge, 4.6 miles upstream from Southern Railway bridge and 6.6 miles upstream from confluence with Oostanaula River.

DRAINAGE AREA.—1,801 square miles.

COOPERATION.—U. S. Army Corp of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July to December 1903; August 1904 to June 1921, published as "near Rome"; October 1938 to September 1994, published as "at Rome" (station 02396000). October 1994 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 561.70 feet above National Geodetic Vertical Datum (NGVD) of 1929. From July 1 to December 31, 1903, a non-recording gage was located at Second Avenue Bridge, 1.0 mile downstream at different datum. From August 17, 1904 to June 30, 1921, a non-recording gage was located at Freemans Ferry, 5.0 miles upstream at different datum. From October 1, 1938 to September 30, 1994, a water-stage recorder was located at Southern Railway Bridge 4.6 miles downstream at same datum.

REMARKS.—Records good, except for those periods of estimated discharge, which are fair. Flow regulated by Allatoona Reservoir since 1949. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, December 11, 1919. Flood of April 9, 1938 reached a stage of 37.5 feet, discharge 46,500 cfs, from gage readings and discharge measurements by U.S. Army Corps of Engineers at former site (Southern Railway bridge) and datum.

02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA-continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July to December 1903; August 1904 to June 1921, published as "near Rome"; October 1938 to September 1994, published as "at Rome" (station 02396000). October 1994 to current year

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 561.70 feet above National Geodetic Vertical Datum (NGVD) of 1929. From July 1 to December 31, 1903, a non-recording gage was located at Second Avenue Bridge, 1.0 mile downstream at different datum. From August 17, 1904 to June 30, 1921, a non-recording gage was located at Freemans Ferry, 5.0 miles upstream at different datum. From October 1, 1938 to September 30, 1994, a water-stage recorder was located at Southern Railway Bridge 4.6 miles downstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.06 feet, September 17; minimum gage-height recorded, 12.67 feet, September 5.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341356 LONGITUDE 0850701 NAD27 DRAINAGE AREA 1801 CONTRIBUTING DRAINAGE AREA 1801* DATUM 561.70 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1900	1830	2200	2720	1410	1690	2100	903	1710	3290	815	1440
2	1760	855	3750	2590	1610	2240	2330	1000	2490	2890	721	1570
3	1770	1120	3250	2510	1780	2310	1210	1150	1770	3460	1870	1500
4	1630	2740	3340	935	1810	1640	981	1310	1320	1140	1850	633
5	849	3580	3930	1690	1330	1900	1520	1050	1690	1090	1980	615
6	838	2890	4050	3400	3500	1520	2650	1090	763	2430	1480	1020
7	2160	3150	3070	2190	6350	1630	1300	871	744	3760	1340	828
8	1870	2570	3460	3070	2640	1290	1980	1340	1800	2660	679	2420
9	2690	881	2900	2760	2570	2050	1930	1440	2300	2870	1270	2720
10	2360	1750	1990	1710	3400	2030	1170	1530	2280	2270	1520	2510
11	2040	2500	3420	1280	3040	2850	920	2380	2220	886	1590	810
12	880	3130	3450	1900	4270	2260	1250	2190	2620	834	2040	2090
13	1380	3340	3290	2580	5770	1580	2990	1540	2210	2500	3480	1170
14	2490	4410	3360	1580	4660	1190	3740	1970	751	2170	2090	2100
15	2450	1940	3700	1910	3250	1310	1730	1960	903	2110	776	2150
16	2670	1160	3650	1250	4790	1260	1630	824	1950	1510	715	2500
17	2620	862	3350	901	4850	2020	1120	826	1960	1150	1710	7230
18	1660	2300	3630	920	4550	1950	1040	2360	2980	1020	1920	3190
19	866	5860	3440	929	3850	1540	984	1230	2650	1490	2020	1370
20	850	5430	1480	1320	3340	1240	1590	1530	746	1560	1900	941
21	2570	e6000	983	1730	2650	1050	1490	1580	713	1720	693	730
22	2720	6050	2020	1050	1400	1300	1620	1310	2000	1910	872	650
23	2980	5560	3540	1170	1830	2830	1120	1350	1030	1630	1310	951
24	3460	5660	3420	1190	2380	1640	1170	1970	1790	1550	1380	6640
25	2570	5890	2280	1350	2110	1670	871	2160	1560	684	915	7030
26	838	4760	1870	4320	2830	987	1100	1620	1240	961	1620	7060
27	1930	3750	1950	3940	3180	971	2160	1950	923	2350	1710	7090
28	2710	3180	1310	3680	2730	965	1940	1350	2150	2030	1500	7180
29	3150	2680	1830	3750	1650	951	1740	1410	1920	2170	655	7170
30	3260	1310	3320	1700	---	1750	1720	769	2920	1770	644	7140
31	2660	---	3870	1660	---	2400	---	1320	---	1530	1010	---
TOTAL	64581	97138	91103	63685	89530	52014	49096	45283	52103	59395	44075	90448
MEAN	2083	3238	2939	2054	3087	1678	1637	1461	1737	1916	1422	3015
MAX	3460	6050	4050	4320	6350	2850	3740	2380	2980	3760	3480	7230
MIN	838	855	983	901	1330	951	871	769	713	684	644	615
CFSM	1.16	1.80	1.63	1.14	1.71	0.93	0.91	0.81	0.96	1.06	0.79	1.67
IN.	1.33	2.01	1.88	1.32	1.85	1.07	1.01	0.94	1.08	1.23	0.91	1.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	1890	2683	2592	2734	3726	4165	3055	2661	2265	2226	1633	1702
MAX	3864	5446	5755	4617	7819	8045	7032	6801	4636	5979	2570	3015
(WY)	1996	1996	2003	1998	1998	1996	1998	2003	2003	2003	2003	2004
MIN	943	1184	1507	1269	1258	1530	1011	1191	1037	926	1104	747
(WY)	2000	2002	2002	2000	2000	2000	1999	2000	2002	2000	2002	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	1379264		798451			
ANNUAL MEAN	3779		2182		2609	
HIGHEST ANNUAL MEAN					4022	2003
LOWEST ANNUAL MEAN					1491	2000
HIGHEST DAILY MEAN	17600	Mar 6	7230	Sep 17	25900	Feb 4 1998
LOWEST DAILY MEAN	838	Oct 6	615	Sep 5	481	Aug 14 2000
ANNUAL SEVEN-DAY MINIMUM	1260	Jan 29	1050	May 1	635	Sep 17 1999
MAXIMUM PEAK FLOW			9030	Sep 17	36000	Mar 4 1979
MAXIMUM PEAK STAGE			21.06	Sep 17	36.13	Mar 5 1979
ANNUAL RUNOFF (CFSM)	2.10		1.21		1.45	
ANNUAL RUNOFF (INCHES)	28.49		16.49		19.68	
10 PERCENT EXCEEDS	8150		3690		5260	
50 PERCENT EXCEEDS	2890		1870		1900	
90 PERCENT EXCEEDS	1250		884		856	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341356 LONGITUDE 0850701 NAD27 DRAINAGE AREA 1801 CONTRIBUTING DRAINAGE AREA 1801* DATUM 561.70 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.31	14.22	14.65	15.19	13.89	14.17	14.58	13.29	14.17	15.77	13.16	13.83
2	14.16	13.08	16.23	15.08	14.06	14.72	14.80	13.43	14.96	15.39	13.02	13.98
3	14.17	13.41	15.74	14.98	14.27	14.79	13.66	13.62	14.21	15.94	14.30	13.90
4	14.02	15.16	15.83	13.34	14.29	14.15	13.40	13.79	13.77	13.60	14.28	12.88
5	13.08	16.08	16.40	14.11	13.80	14.38	13.94	13.49	14.15	13.51	14.43	12.86
6	13.06	15.36	16.53	15.88	15.89	14.02	15.14	13.52	13.09	14.90	13.91	13.39
7	14.59	15.60	15.55	14.67	20.37	14.18	13.75	13.24	13.06	16.22	13.76	13.17
8	14.28	15.03	15.94	15.55	17.29	13.95	14.46	13.78	14.24	15.13	12.96	14.90
9	15.17	13.12	15.38	15.23	16.30	14.66	14.41	13.87	14.77	15.34	13.66	15.20
10	14.78	14.05	14.46	14.16	16.65	14.52	13.62	13.97	14.73	14.73	13.92	14.97
11	14.46	14.97	15.90	13.73	15.61	15.33	13.31	14.85	14.68	13.26	13.99	13.15
12	13.12	15.62	15.92	14.36	16.73	14.76	13.68	14.66	15.08	13.19	14.52	14.53
13	13.72	15.79	15.77	15.04	18.22	14.08	15.48	14.00	14.67	14.96	15.95	13.57
14	14.91	16.90	15.84	14.02	17.13	13.66	16.23	14.47	13.07	14.63	14.55	14.53
15	14.86	14.34	16.17	14.40	15.74	13.78	14.23	14.42	13.28	14.56	13.10	14.58
16	15.09	13.46	16.13	13.68	17.27	13.73	14.12	13.18	14.40	13.93	13.01	14.98
17	15.04	13.09	15.83	13.29	17.34	14.52	13.57	13.18	14.41	13.60	14.13	19.98
18	14.04	14.75	16.11	13.31	17.04	14.44	13.48	14.85	15.46	13.36	14.35	18.63
19	13.10	18.21	15.93	13.33	16.34	14.04	13.40	13.72	15.10	13.94	14.44	16.12
20	13.07	17.81	13.95	13.72	15.82	13.70	14.05	13.99	13.06	14.00	14.33	15.17
21	14.98	---	13.40	14.19	15.14	13.48	13.96	14.00	13.01	14.14	12.98	15.18
22	15.14	18.39	14.44	13.45	13.90	13.75	14.07	13.75	14.45	14.33	13.23	14.44
23	15.42	17.93	16.02	13.60	14.31	15.32	13.57	13.79	13.45	14.05	13.72	13.34
24	15.91	18.02	15.90	13.63	14.87	14.10	13.60	14.42	14.25	13.97	13.78	19.00
25	15.00	18.26	14.76	13.81	14.60	14.16	13.24	14.62	13.99	12.96	13.29	19.35
26	13.06	17.22	14.34	17.39	15.31	13.41	13.55	14.06	13.70	13.36	14.03	19.37
27	14.24	16.22	14.41	17.11	15.65	13.38	14.64	14.42	13.31	14.82	14.11	19.40
28	15.22	15.67	13.76	16.33	15.20	13.38	14.42	13.82	14.63	14.49	13.89	19.47
29	15.65	15.16	14.26	16.23	14.14	13.36	14.21	13.83	14.42	14.62	12.92	19.47
30	15.79	13.79	15.81	14.20	---	14.22	14.17	13.09	15.41	14.21	12.90	19.45
31	15.16	---	16.35	14.13	---	14.88	---	13.76	---	13.96	13.36	---
MEAN	14.47	---	15.41	14.55	15.76	14.16	14.09	13.90	14.17	14.35	13.81	15.76
MAX	15.91	---	16.53	17.39	20.37	15.33	16.23	14.85	15.46	16.22	15.95	19.98
MIN	13.06	---	13.40	13.29	13.80	13.36	13.24	13.09	13.01	12.96	12.90	12.86

02395996 ETOWAH RIVER AT COOSA VALLEY FAIRGROUNDS, AT ROME, GA

LOCATION.—Lat 34°15'23", long 85°09'02", referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150104, 6.0 miles upstream from confluence with Oostanaula River, located off of GA 293 on the Coosa Valley Fairgrounds property.

DRAINAGE AREA.—1,819 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July to December, 1903, August 1904 to June 1921, October, 1938 to September 1994, October 1994 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 584.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair. Station is auxiliary gage for 02395980 Etowah River at GA 1 Loop near Rome, GA. Stages below 4.46 feet were not recorded.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.43 feet, September 17.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395996 ETOWAH RIVER AT COOSA VALLEY F.G., AT ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341523 LONGITUDE 0850902 NAD27 DRAINAGE AREA 1819* CONTRIBUTING DRAINAGE AREA DATUM 584.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.00	7.07	7.60	8.76	7.05	6.84	7.89	6.34	6.63	9.56	5.02	6.00
2	6.82	4.91	10.03	8.21	6.58	7.92	7.82	6.43	7.81	9.50	4.80	6.23
3	6.81	5.44	9.18	8.50	7.11	8.20	6.34	7.23	6.66	10.60	6.78	6.14
4	6.56	8.05	9.33	5.65	7.19	7.46	5.64	6.96	5.91	6.70	6.82	---
5	5.01	9.24	10.06	6.43	6.65	7.36	6.26	6.03	6.52	5.88	7.19	---
6	5.01	8.39	10.67	9.90	9.46	7.83	8.20	5.79	4.72	8.00	6.55	5.27
7	7.36	8.90	9.32	9.51	17.96	10.20	6.20	5.23	---	10.0	6.29	4.98
8	6.91	8.02	9.48	10.47	16.06	10.64	7.18	6.05	6.56	9.12	4.82	7.76
9	8.07	5.05	8.78	9.34	14.56	11.09	7.25	6.22	7.42	9.35	5.75	8.69
10	7.78	6.02	7.76	7.96	14.00	9.11	5.86	6.45	7.34	8.32	6.15	8.07
11	7.45	8.00	9.69	7.01	11.10	8.94	5.24	7.65	7.30	5.67	6.27	5.12
12	5.16	8.81	10.39	7.22	11.60	8.04	5.68	7.43	8.15	5.26	6.98	7.18
13	6.15	9.02	10.10	8.52	13.61	7.29	8.51	6.40	7.55	7.94	9.23	5.67
14	7.87	10.30	9.77	6.88	12.46	6.46	10.05	7.39	4.74	7.53	7.23	7.12
15	7.82	7.16	9.84	7.27	10.43	6.43	7.10	7.50	5.03	7.33	4.85	7.33
16	8.14	5.82	10.09	6.52	12.13	6.39	7.06	5.34	6.92	6.36	4.66	8.50
17	8.15	4.90	9.59	5.57	12.54	7.47	5.92	4.97	6.95	5.73	6.48	15.66
18	6.78	7.63	10.12	5.60	11.84	7.54	5.63	7.67	8.51	5.15	6.77	17.59
19	5.30	11.90	9.93	5.65	10.61	7.02	5.43	6.22	7.99	6.56	7.06	15.51
20	5.20	12.62	7.33	6.06	9.77	6.44	6.47	6.50	4.74	6.46	6.94	14.64
21	8.03	12.77	5.98	7.21	9.02	5.81	6.39	6.74	---	6.64	5.17	14.77
22	8.30	12.65	6.97	5.71	6.87	5.99	6.64	6.18	6.98	6.91	5.87	13.68
23	8.54	11.88	9.66	6.14	7.32	8.37	5.80	6.14	5.46	6.53	6.09	7.21
24	9.30	11.93	9.53	6.47	8.17	7.02	5.91	7.00	6.77	6.53	6.10	12.99
25	8.22	12.36	8.09	7.47	7.89	6.96	5.21	7.32	6.92	4.77	5.24	13.99
26	4.94	11.05	7.38	14.10	8.77	5.68	5.63	6.52	7.15	5.24	6.64	14.07
27	6.32	9.92	7.47	14.22	9.64	5.60	7.61	7.04	7.63	7.82	6.62	14.09
28	8.42	9.31	6.68	12.32	9.48	5.58	7.41	6.06	8.65	7.72	6.16	14.13
29	8.86	9.29	6.73	10.82	7.81	5.54	7.11	6.15	7.51	7.68	---	14.03
30	9.13	7.37	9.31	8.05	---	6.91	7.06	4.74	8.85	6.80	---	13.94
31	8.30	---	10.13	7.17	---	7.91	---	5.87	---	6.33	---	---
MEAN	7.22	8.86	8.94	8.09	10.26	7.42	6.68	6.44	---	7.23	---	---
MAX	9.30	12.77	10.67	14.22	17.96	11.09	10.05	7.67	---	10.60	---	---
MIN	4.94	4.90	5.98	5.57	6.58	5.54	5.21	4.74	---	4.77	---	---

2004 Water Year

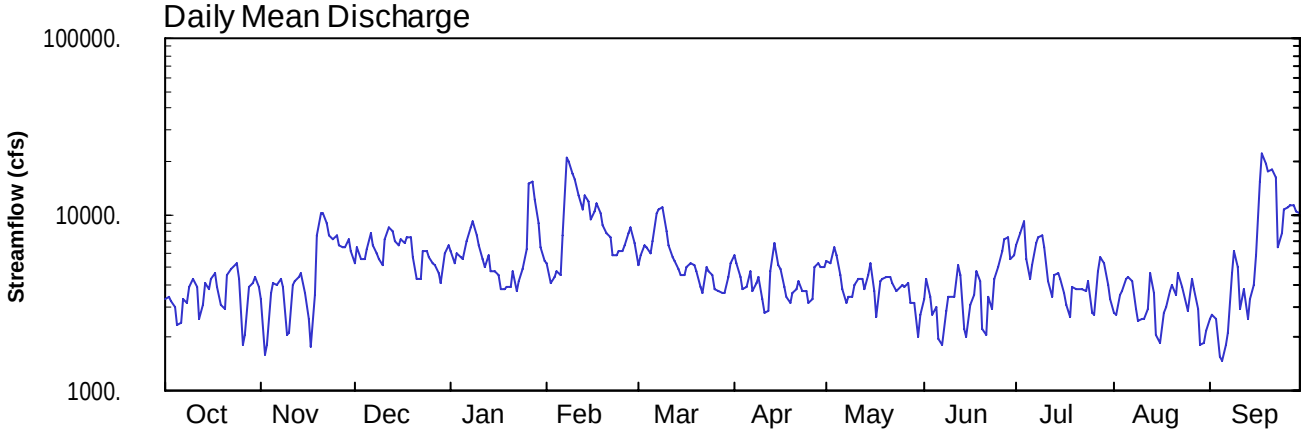
MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA

Latitude: 34°12'01" Longitude: 085°15'24" Hydrologic Unit Code: 03150105

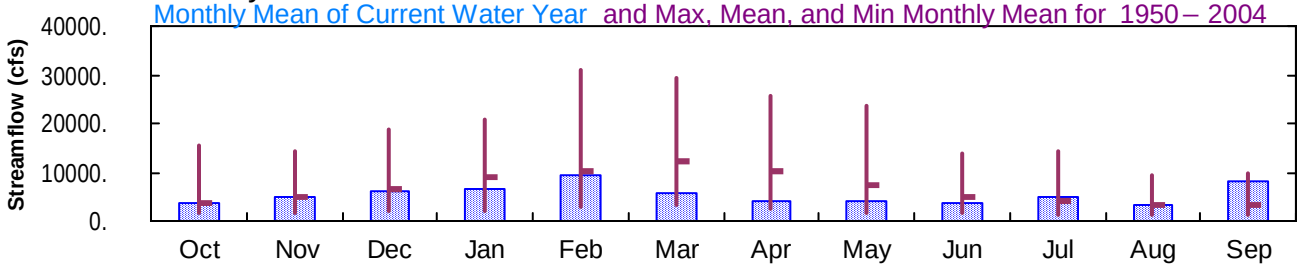
Floyd County Datum: 553.05 feet Drainage Area: 4040. mi²

Daily Mean Discharge

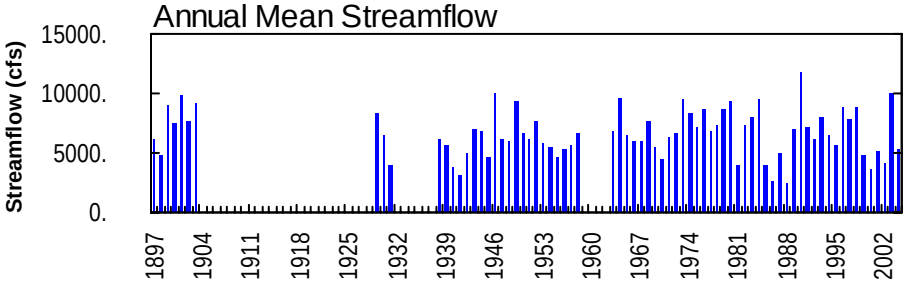


Monthly Statistics

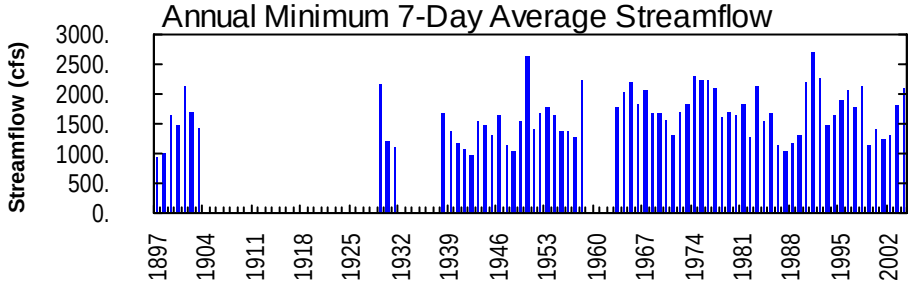
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1950 – 2004



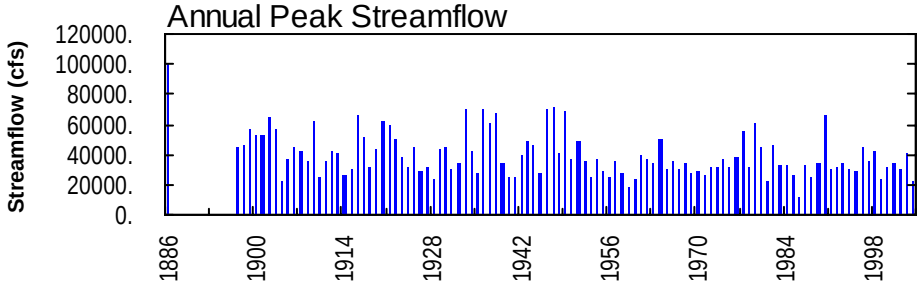
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02397000 - Coosa River near Rome, GA

MOBILE RIVER BASIN
2004 Water Year

02397000 COOSA RIVER NEAR ROME, GA

LOCATION.—Lat 34°12'01", long 85°15'24", referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150105, on left bank attached to left lock wall of Mayo's Bar lock near upstream end, 1.5 miles upstream from Webb Creek, 6.0 miles southwest of Rome, 7.5 miles downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.—4,040 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District, Georgia Geologic Survey, Georgia Power, Alabama Power.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Water years 1959-62 (annual maximum only).

REVISED RECORDS.—WSP 1674, 1906: 1959(M) WDR GA-90-1: 1937-38(M), 1946(P), 1947(M), 1949(M), WDR GA-92-1: 1981.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 553.05 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). From January 1, 1897, to December 31, 1903, a non-recording gage was located at site 7.5 miles upstream at datum 8.65 feet higher. From June 21, 1928, to December 31, 1931, and March 10, 1937 to December 31, 1958, a water-stage recorder was located at site 200 feet downstream at same datum. The station 02388525 Oostanaula River at US 27, at Rome, has been used as an auxiliary gage since 1963.

REMARKS.—Records good, except for periods of estimated discharge, which are poor. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1834, 40.3 feet at site and datum at Rome, equivalent to about 43 feet at present site, from gage-height relation, April 1, 1886, discharge, 100,000 cfs, from rating curve extended above 63,000 cfs on basis of peak flow at Gadsden, AL.

02397000 COOSA RIVER NEAR ROME, GA–continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Water years 1959-62 (annual maximum only). Gage-height records collected at same site for period 1922-49 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 553.05 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). From January 1, 1897, to December 31, 1903, a non-recording gage was located at site 7.5 miles upstream at datum 8.65 feet higher. From June 21, 1928, to December 31, 1931, and March 10, 1937 to December 31, 1958, a water-stage recorder was located at site 200 feet downstream at same datum. The station 02388525 Oostanaula River at US 27, at Rome, has been used as an auxiliary gage since 1963.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 20.90 feet, September 18; minimum gage-height recorded, 10.94 feet, September 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 14, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040* DATUM 553.05 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3300	3310	5310	6120	5280	5200	5850	5450	3300	6710	2730	2540
2	3370	1620	6570	5290	4120	5900	5350	5340	4260	7780	2660	2660
3	3260	1810	5570	e5950	4380	6610	4430	6430	3360	9170	3440	2540
4	3020	3560	5590	e5780	4720	6450	3730	5800	2700	5540	3670	1570
5	2340	4110	6260	e5600	4570	5970	3850	4500	2950	4270	4310	1470
6	2420	3950	7750	e7000	7640	7040	4740	3760	1940	5130	4400	1810
7	3290	4320	6670	8340	20800	10100	3670	3180	1800	6820	4220	2120
8	3120	3850	6060	9020	19800	10800	4060	3370	2800	7340	2870	4660
9	3900	2080	5540	7530	17100	11100	4400	3430	3390	7630	2490	6140
10	4330	2120	5200	6610	15900	8090	3320	4000	3400	6490	2570	4960
11	3870	3980	7220	5640	e12800	6600	2740	4280	3400	4160	2570	2880
12	2550	4210	8450	5030	10500	5740	2840	4300	5160	3370	2900	3730
13	3030	4450	8020	5940	12900	5380	4820	3810	4540	e4540	4690	2570
14	4050	4690	7100	4760	11900	4850	6900	4560	2220	4600	3560	3350
15	3740	3540	6750	4780	9340	4540	5110	5340	2030	4310	2080	3960
16	4280	2530	7210	4550	10500	4520	4890	3660	3090	3570	1880	5830
17	4630	1760	6820	3720	11500	4980	3900	2630	3490	3080	2760	15400
18	3820	3450	7480	3740	10100	5340	3390	4170	4780	2640	2970	22200
19	3040	7710	7340	3820	8560	5180	3110	4270	4180	3850	3630	19300
20	2910	10300	5640	3910	7750	4700	3590	4390	2240	3780	3930	17700
21	4530	10000	4260	4780	7340	3850	3770	4440	2080	3750	3480	17900
22	4840	8850	4280	3690	5820	3610	4180	4030	3430	3810	4680	16300
23	5010	7510	6180	4180	5800	4970	3680	3700	2920	3670	3860	6540
24	5350	7260	6210	4840	6240	4720	3720	3790	4250	4160	3480	7870
25	4320	7600	5660	6360	6220	4490	3120	3930	4960	2750	2840	10600
26	1800	6690	5220	14800	6670	3730	3280	3830	6170	2710	4250	11100
27	2090	6430	5120	15400	7880	3630	5040	4110	7180	4800	3730	11100
28	3830	6560	4670	12100	8400	3600	5290	3140	7490	5770	2910	11100
29	4030	7310	4070	8850	6930	3570	5050	3120	5570	5330	1830	10400
30	4370	6130	5990	6580	---	4440	5050	2010	5900	3980	1860	10100
31	3900	---	6690	5370	---	5270	---	2680	---	3350	2190	---
TOTAL	112340	151690	190900	200080	271460	174970	126870	125450	114980	148860	99440	240400
MEAN	3624	5056	6158	6454	9361	5644	4229	4047	3833	4802	3208	8013
MAX	5350	10300	8450	15400	20800	11100	6900	6430	7490	9170	4690	22200
MIN	1800	1620	4070	3690	4120	3570	2740	2010	1800	2640	1830	1470
CFSM	0.90	1.25	1.52	1.60	2.32	1.40	1.05	1.00	0.95	1.19	0.79	1.98
IN.	1.03	1.40	1.76	1.84	2.50	1.61	1.17	1.16	1.06	1.37	0.92	2.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	3482	4792	6622	9162	10360	12060	10330	7547	4762	4271	3430	3207
MAX	15440	14130	18640	20980	31130	29220	25730	23490	13970	14470	9360	9956
(WY)	1990	1978	1984	1974	1990	1990	1964	2003	1973	2003	1984	1950
MIN	1472	1665	1881	1922	2912	3115	2544	1651	1513	1341	1333	1410
(WY)	1989	1988	1988	1956	2000	1988	1986	1988	1988	1986	1986	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL TOTAL	3390120		1957440			
ANNUAL MEAN	9288		5348		6660	
HIGHEST ANNUAL MEAN					11880	1990
LOWEST ANNUAL MEAN					2509	1988
HIGHEST DAILY MEAN	39200	May 8	22200	Sep 18	64200	Mar 18 1990
LOWEST DAILY MEAN	1620	Nov 2	1470	Sep 5	907	Oct 14 1988
ANNUAL SEVEN-DAY MINIMUM	2970	Oct 2	2100	Sep 1	1020	Oct 2 1986
MAXIMUM PEAK FLOW			22800	Sep 18	65500	Mar 18 1990
MAXIMUM PEAK STAGE			20.90	Sep 18	35.97	Mar 18 1990
ANNUAL RUNOFF (CFSM)	2.30		1.32		1.65	
ANNUAL RUNOFF (INCHES)	31.22		18.02		22.40	
10 PERCENT EXCEEDS	21200		8650		14500	
50 PERCENT EXCEEDS	6570		4470		4420	
90 PERCENT EXCEEDS	3700		2660		1960	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040* DATUM 553.05 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.00	11.99	12.77	13.09	12.75	12.52	13.09	12.92	12.01	13.44	11.75	11.63
2	12.04	11.12	13.28	12.76	12.27	12.80	12.88	12.88	12.42	13.89	11.72	11.69
3	11.99	11.24	12.87	---	12.38	13.09	12.50	13.32	12.03	14.46	12.07	11.63
4	11.88	12.09	12.88	---	12.52	13.03	12.21	13.06	11.73	12.96	12.17	11.08
5	11.56	12.34	13.15	---	12.46	12.83	12.25	12.53	11.85	12.43	12.45	11.01
6	11.60	12.29	13.77	---	13.71	13.29	12.63	12.22	11.33	12.79	12.49	11.23
7	12.00	12.44	13.32	14.02	19.82	14.63	12.17	11.96	11.24	13.49	12.41	11.42
8	11.92	12.24	13.07	14.30	19.44	15.01	12.34	12.04	11.76	13.70	11.81	12.58
9	12.27	11.41	12.86	13.68	18.08	15.22	12.49	12.07	12.04	13.82	11.62	13.20
10	12.45	11.41	12.72	13.30	17.40	14.01	12.02	12.31	12.03	13.35	11.65	12.71
11	12.26	12.29	13.56	12.90	---	13.39	11.76	12.43	12.04	12.39	11.65	11.82
12	11.67	12.40	14.07	12.65	14.72	13.04	11.81	12.44	12.80	12.04	11.81	12.19
13	11.89	12.49	13.89	13.02	15.74	12.90	12.66	12.23	12.54	---	12.60	11.67
14	12.32	12.60	13.50	12.54	15.29	12.68	13.52	12.56	11.49	12.57	12.12	12.02
15	12.20	12.08	13.36	12.55	14.23	12.55	12.79	12.88	11.38	12.44	11.41	12.29
16	12.42	11.63	13.54	12.45	14.71	12.54	12.69	12.17	11.91	12.13	11.29	13.07
17	12.57	11.22	13.38	12.10	15.11	12.73	12.28	11.70	12.09	11.91	11.74	17.31
18	12.24	12.03	13.66	12.11	14.56	12.88	12.05	12.38	12.64	11.71	11.84	20.64
19	11.90	13.79	13.60	12.15	13.91	12.82	11.93	12.43	12.38	12.25	12.15	19.34
20	11.84	14.81	12.90	12.18	13.57	12.62	12.14	12.48	11.50	12.22	12.28	18.52
21	12.53	14.70	12.33	12.55	13.40	12.25	12.22	12.50	11.41	12.20	12.09	18.56
22	12.66	14.23	12.33	12.09	12.77	12.15	12.39	12.33	12.05	12.23	12.60	17.87
23	12.73	13.67	13.12	12.29	12.76	12.73	12.18	12.19	11.85	12.17	12.26	13.37
24	12.88	13.57	13.13	12.57	12.94	12.62	12.20	12.22	12.42	12.38	12.09	13.92
25	12.44	13.71	12.91	13.20	12.93	12.53	11.94	12.28	12.72	11.76	11.81	15.05
26	11.24	13.33	12.73	16.89	13.12	12.20	12.01	12.24	13.21	11.74	12.42	15.23
27	11.37	13.22	12.68	17.20	13.63	12.16	12.75	12.36	13.63	12.65	12.19	15.26
28	12.24	13.28	12.50	15.62	13.84	12.15	12.86	11.94	13.76	13.05	11.82	15.25
29	12.33	13.59	12.24	14.23	13.23	12.13	12.76	11.93	12.97	12.87	11.26	14.98
30	12.47	13.10	13.04	13.29	---	12.50	12.75	11.37	13.11	12.31	11.28	14.83
31	12.27	---	13.33	12.79	---	12.85	---	11.71	---	12.03	11.46	---
MEAN	12.13	12.68	13.11	---	---	12.93	12.41	12.33	12.21	---	11.95	14.05

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040* DATUM 553.05 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.28	0.00	0.38	0.01	0.01
2	0.00	0.00	0.00	0.00	0.09	0.36	0.00	0.90	0.00	0.32	0.00	0.02
3	0.00	0.00	0.17	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.17	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.01	0.01	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
6	0.06	0.05	0.00	0.01	1.66	0.66	0.00	0.00	0.00	0.20	0.00	0.00
7	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	2.72
8	0.02	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02
9	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	---	0.00	0.75	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.14	0.00
11	0.00	0.00	0.00	0.00	0.20	0.00	0.24	0.00	0.00	0.01	---	0.00
12	0.00	0.06	0.00	0.01	0.55	0.00	0.43	0.00	0.00	0.80	---	0.00
13	0.00	0.00	0.22	0.00	0.00	0.00	0.13	0.00	0.00	0.00	---	0.00
14	0.07	0.00	0.10	0.00	0.10	0.00	0.01	0.00	0.00	0.00	---	0.00
15	0.00	0.00	0.00	0.00	0.54	0.02	0.00	0.00	0.00	0.00	---	0.00
16	0.00	0.03	0.42	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.24	3.92
17	0.10	0.02	0.02	0.12	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.01
18	0.00	2.73	0.02	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.72	0.00
21	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.13	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.32	0.00	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	2.18	0.16	0.00	0.05	0.00	0.00	1.29	0.64	0.00
26	0.02	0.00	0.00	0.00	0.28	0.00	0.65	0.00	0.00	0.34	0.00	0.00
27	0.02	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
28	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
29	0.00	0.00	0.40	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.01	0.00	---	0.70	1.42	0.00	0.22	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.14	---	0.00	---	0.16	0.00	---
TOTAL	---	4.29	2.79	3.34	3.65	2.39	2.94	1.18	0.31	3.78	---	6.70

MOBILE RIVER BASIN
2004 Water Year

02397000 COOSA RIVER NEAR ROME, GA

LOCATION.—Lat 34°12'01", long 85°15'24", referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150105, on left bank attached to left lock wall of Mayo's Bar lock near upstream end, 1.5 miles upstream from Webb Creek, 6.0 miles southwest of Rome, 7.5 miles downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.—4,040 square miles, approximately.

COOPERATION.—Georgia Power.

PERIOD OF RECORD.—March 1968 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: February 1986 to September 1987, April 1988 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: Maximum recorded, 31.0 °C, July 19, 21, 1986; minimum recorded, 1.5 °C, February 5, 1996.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum recorded, 27.2 °C, August 30; minimum recorded, 5.3 °C, January 12, 25.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040 DATUM 553.05 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.7	19.5	20.0	18.6	17.7	18.0	10.6	9.8	10.0	7.7	7.1	7.4
2	20.1	18.7	19.4	17.9	17.5	17.7	11.2	9.7	10.4	8.3	7.7	8.1
3	19.4	18.0	18.7	17.8	17.4	17.6	11.3	9.8	10.6	9.4	8.3	9.0
4	19.5	17.9	18.7	18.5	17.4	18.0	11.0	9.7	10.4	10.8	9.4	10.0
5	19.3	18.6	18.8	19.2	18.2	18.8	10.8	9.6	10.3	11.7	10.8	11.4
6	19.1	18.8	19.0	19.6	19.0	19.5	10.6	8.8	9.9	11.7	---	---
7	20.2	19.1	19.5	19.6	18.8	19.3	9.6	8.5	9.0	9.9	8.6	9.4
8	21.6	20.0	20.6	18.8	17.8	18.2	9.4	8.5	9.0	8.6	6.6	7.4
9	21.2	20.1	20.8	17.8	16.7	17.1	10.3	9.0	9.6	6.6	6.2	6.4
10	21.3	20.7	20.9	16.7	15.8	16.2	10.7	9.3	10.1	6.5	6.2	6.3
11	20.7	20.2	20.5	16.6	15.6	16.1	9.7	8.9	9.4	6.2	5.7	5.9
12	20.5	19.9	20.2	17.2	16.3	16.8	9.5	8.5	8.9	5.9	5.3	5.6
13	20.9	20.4	20.6	17.8	16.3	17.1	8.8	8.2	8.4	6.6	5.9	6.3
14	21.3	20.7	21.0	16.3	15.0	15.3	8.8	8.1	8.4	7.0	6.6	6.8
15	20.8	19.3	19.9	15.5	14.5	14.9	9.0	8.1	8.5	8.1	7.0	7.7
16	19.7	18.4	19.0	15.1	14.3	14.7	9.1	8.1	8.6	8.0	7.6	7.8
17	19.1	18.1	18.5	14.8	14.3	14.5	9.2	8.4	8.8	7.7	7.3	7.4
18	18.2	17.5	17.8	16.5	14.8	15.8	8.9	8.1	8.4	8.0	7.3	7.7
19	17.9	17.2	17.6	17.0	16.2	16.6	8.4	7.8	8.1	8.1	7.5	7.8
20	18.0	17.6	17.8	16.2	15.5	15.7	8.0	7.1	7.4	7.5	6.5	6.8
21	18.9	17.5	18.1	15.6	15.0	15.4	7.1	6.4	6.7	6.6	5.7	6.2
22	19.4	18.4	19.0	15.6	14.9	15.3	6.9	6.2	6.4	5.9	5.3	5.5
23	19.1	18.3	18.8	15.7	14.9	15.4	7.9	6.6	7.3	6.1	5.7	5.9
24	19.1	18.4	18.8	16.0	14.5	15.5	8.5	7.9	8.3	6.8	5.7	6.1
25	19.0	18.5	18.8	14.9	13.6	14.3	8.2	7.2	7.6	7.5	6.8	7.2
26	19.0	18.5	18.7	14.3	12.7	13.5	7.2	6.8	7.0	7.1	6.8	7.0
27	18.5	17.6	18.3	14.4	12.9	13.5	7.0	6.5	6.7	6.9	6.6	6.8
28	17.6	17.0	17.3	14.2	13.2	13.6	6.9	6.5	6.6	6.6	6.1	6.3
29	17.4	16.6	17.0	13.6	11.6	12.4	7.7	6.5	6.8	6.3	5.5	5.9
30	18.1	16.9	17.5	11.6	10.6	11.0	8.4	7.7	8.1	6.3	5.9	6.1
31	18.4	17.3	17.8	---	---	---	8.2	7.3	7.6	6.5	5.9	6.2
MONTH	21.6	16.6	19.0	19.6	10.6	15.9	11.3	6.2	8.5	11.7	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040 DATUM 553.05 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.7	6.2	6.4	10.4	8.7	9.2	15.5	13.8	14.3	18.1	17.3	17.6
2	6.5	6.2	6.3	11.6	10.4	11.3	13.8	13.0	13.4	18.3	17.9	18.1
3	7.1	6.5	6.8	12.3	11.4	11.8	14.2	13.2	13.7	18.1	17.4	17.6
4	7.1	6.6	6.9	13.3	12.3	12.7	14.3	13.8	14.1	17.4	16.7	17.1
5	7.2	6.9	7.0	14.5	13.3	13.7	14.6	14.0	14.3	18.0	16.9	17.4
6	7.9	6.8	7.2	15.5	14.5	15.0	15.0	14.2	14.5	19.4	18.0	18.4
7	8.0	7.7	7.9	15.4	14.9	15.2	15.3	13.9	14.4	20.4	19.2	19.6
8	7.7	7.4	7.6	15.2	14.6	14.9	16.1	15.1	15.5	21.7	20.4	20.9
9	7.4	6.8	7.0	14.6	12.8	13.8	16.1	15.5	15.8	21.9	21.3	21.6
10	7.0	6.7	6.8	12.8	11.7	12.2	15.8	15.3	15.6	21.9	21.2	21.6
11	7.6	7.0	7.2	11.7	11.0	11.1	15.5	15.1	15.2	21.8	20.3	21.2
12	7.6	7.4	7.5	11.3	10.6	11.0	15.7	15.5	15.6	21.1	18.1	20.1
13	7.5	6.9	7.2	11.7	11.0	11.4	15.9	13.6	15.2	21.2	20.0	20.6
14	7.8	7.4	7.6	12.5	11.4	11.8	14.1	12.7	13.5	21.2	20.1	20.8
15	8.1	7.8	8.0	13.2	12.5	12.8	14.9	13.5	14.1	20.9	19.3	19.9
16	8.3	7.8	8.1	14.0	13.2	13.5	15.8	14.5	15.1	19.7	19.2	19.4
17	7.8	7.5	7.6	14.3	13.7	14.0	16.8	15.4	15.9	20.2	19.7	19.9
18	7.7	7.0	7.4	14.2	13.3	13.6	18.1	16.8	17.2	20.9	20.2	20.5
19	8.2	7.3	7.6	13.8	12.7	13.3	19.3	18.1	18.6	21.0	20.4	20.7
20	8.3	7.6	7.8	14.5	13.1	13.7	20.0	19.3	19.6	22.2	20.7	21.4
21	9.1	8.1	8.5	14.9	14.3	14.6	20.0	19.2	19.5	22.3	21.7	22.0
22	9.6	8.8	9.1	14.8	13.8	14.2	19.4	18.9	19.1	22.4	21.8	22.1
23	9.7	9.4	9.5	13.8	12.5	13.1	19.7	18.9	19.2	22.7	22.1	22.4
24	9.9	9.4	9.6	12.8	11.5	12.2	20.5	19.2	19.7	22.6	21.7	22.1
25	9.5	9.3	9.4	13.7	12.2	12.9	20.5	20.0	20.2	22.8	20.3	21.8
26	9.3	8.3	8.7	15.2	13.7	14.2	20.0	19.3	19.7	23.1	21.4	22.5
27	8.3	7.8	7.9	15.8	15.2	15.5	19.3	18.5	18.8	23.2	21.9	22.6
28	8.2	7.4	7.8	17.0	15.8	16.4	18.6	17.5	17.9	22.8	22.1	22.5
29	8.7	8.2	8.4	17.4	17.0	17.2	18.0	17.3	17.6	22.3	21.7	22.1
30	---	---	---	17.5	17.0	17.3	17.8	17.3	17.5	22.8	22.1	22.4
31	---	---	---	17.4	15.3	16.1	---	---	---	23.2	22.1	22.6
MONTH	9.9	6.2	7.8	17.5	8.7	13.5	20.5	12.7	16.5	23.2	16.7	20.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040 DATUM 553.05 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.6	21.7	22.1	22.4	20.3	21.5	---	---	---	26.9	25.9	26.4
2	22.2	19.8	21.0	22.9	21.3	22.3	---	---	---	26.0	25.0	25.3
3	20.8	19.1	20.2	22.9	21.8	22.4	---	---	---	25.0	24.0	24.5
4	21.7	20.8	21.3	24.5	22.9	23.6	---	---	---	24.7	24.3	24.5
5	22.2	21.4	21.9	25.7	24.2	24.8	---	---	---	25.0	24.3	24.6
6	23.1	22.0	22.6	25.7	24.8	25.4	---	---	---	24.9	24.2	24.6
7	23.5	23.0	23.3	24.8	22.5	23.4	---	---	---	24.3	23.2	24.0
8	23.1	22.0	22.7	24.3	22.7	23.7	---	---	---	23.2	22.9	23.1
9	23.0	20.7	22.0	24.1	22.8	23.7	---	---	---	23.4	22.3	22.8
10	22.8	19.8	21.7	24.8	23.2	24.1	---	---	---	24.2	23.3	23.7
11	23.3	20.8	22.4	25.2	23.7	24.3	---	---	---	24.5	23.9	24.1
12	24.5	21.4	23.1	---	---	---	---	---	---	24.8	24.1	24.5
13	22.8	20.7	21.8	---	---	---	---	---	---	24.8	24.2	24.4
14	22.9	22.1	22.4	25.8	24.2	25.2	---	---	---	24.3	23.4	23.9
15	23.4	22.7	23.1	25.8	23.9	25.2	---	---	---	23.9	23.4	23.8
16	24.3	23.1	23.6	25.8	24.3	25.1	---	---	---	23.8	23.0	23.4
17	24.7	23.4	24.1	25.3	25.1	25.2	24.8	23.8	24.3	23.0	22.2	22.6
18	25.5	22.9	23.9	25.4	24.9	25.2	25.2	24.6	24.9	22.2	21.8	21.9
19	23.6	20.7	22.6	25.6	24.8	25.2	26.1	24.8	25.4	21.8	21.2	21.5
20	25.2	23.6	24.6	25.6	24.5	25.1	26.1	25.1	25.6	21.3	20.6	21.0
21	26.2	25.0	25.8	25.5	24.5	25.2	25.5	24.7	25.1	20.9	20.2	20.5
22	26.2	24.8	25.7	25.7	24.6	25.2	24.7	24.0	24.3	20.5	19.9	20.2
23	25.8	24.5	25.2	26.2	24.6	25.5	25.2	24.1	24.5	20.7	20.0	20.3
24	24.7	23.6	24.4	26.3	25.7	26.1	25.8	24.8	25.2	22.7	20.7	21.8
25	24.7	22.5	23.6	---	---	---	25.8	25.5	25.6	22.6	22.3	22.5
26	24.0	23.4	23.6	---	---	---	25.6	24.8	25.3	22.8	22.5	22.6
27	23.4	22.8	23.0	---	---	---	25.7	24.8	25.3	22.7	22.1	22.4
28	22.8	22.2	22.4	---	---	---	26.3	25.5	25.9	22.2	21.9	22.1
29	23.4	22.1	22.6	---	---	---	26.8	26.3	26.5	22.1	21.8	22.0
30	23.4	22.1	23.0	---	---	---	27.2	26.5	26.9	22.1	21.5	21.8
31	---	---	---	---	---	---	27.1	26.5	26.8	---	---	---
MONTH	26.2	19.1	23.0	---	---	---	---	---	---	26.9	19.9	23.0

MOBILE RIVER BASIN
2004 Water Year

02397530 COOSA RIVER AT STATE LINE, AL/GA

LOCATION.—Lat 34°11'54", long 85°26'46", referenced to North American Datum (NAD) of 1927, Floyd County, GA-Cherokee County, AL, Hydrologic Unit 03150105, 6.5 miles southwest of Coosa, and at mile 254.8.

DRAINAGE AREA.--4,360 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 9, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362* DATUM 555.00 NGVD29

Precipitation, total, inches
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.24	0.00	0.28	0.09	0.15
2	0.00	0.00	0.00	0.00	0.03	0.55	0.00	0.76	0.00	0.31	0.00	0.00
3	0.00	0.00	0.15	0.00	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.07
4	0.00	0.10	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00
5	0.00	0.09	0.03	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.10	0.16	0.00	0.00	2.18	0.98	0.00	0.00	0.00	0.44	0.00	0.00
7	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.93
8	0.08	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
9	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00
10	0.00	0.00	0.55	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.22	0.00
11	0.00	0.00	0.00	0.00	0.26	0.00	0.28	0.57	0.00	0.00	0.00	0.00
12	0.00	0.05	0.01	0.00	0.61	0.00	0.22	0.16	0.00	0.35	0.88	0.00
13	0.00	0.00	0.30	0.00	0.00	0.00	0.15	0.24	0.79	0.00	0.00	0.00
14	0.04	0.00	0.10	0.00	0.09	0.00	0.01	0.01	1.61	0.13	0.00	0.00
15	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.22	0.00	0.00	0.00
16	0.00	0.03	0.43	0.00	0.01	0.32	0.00	0.00	0.63	0.00	0.04	1.80
17	0.17	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00
18	0.00	2.56	0.02	0.26	0.00	0.00	0.00	1.25	0.03	0.27	0.00	0.00
19	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	---	0.00	0.00	0.63	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	3.49	0.00	0.02	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.41	0.00	0.00	0.00
23	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.01	0.04	0.00	0.00	0.00
24	0.00	0.56	0.01	0.21	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
25	0.00	0.00	0.00	3.15	0.24	0.00	0.01	0.00	0.25	1.81	0.32	0.00
26	0.01	0.00	0.00	0.00	0.34	0.00	0.57	0.00	0.02	0.63	0.00	0.00
27	0.07	1.03	0.00	0.02	0.00	0.00	0.00	0.00	1.32	0.65	0.00	0.00
28	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.05	0.27	0.00	0.00	0.00
29	0.00	0.00	0.43	0.00	0.00	0.32	---	0.03	0.00	0.00	0.00	0.00
30	0.00	0.00	0.03	0.00	---	0.81	1.11	0.05	0.08	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.08	---	1.65	---	0.07	0.00	---
TOTAL	0.52	4.71	2.77	4.90	4.43	3.08	---	---	9.39	5.10	2.21	2.97

MOBILE RIVER BASIN
2004 Water Year

02397530 COOSA RIVER AT STATE LINE, AL/GA

LOCATION.--Lat 34°11'54", long 85°26'46", referenced to North American Datum (NAD) of 1927, Floyd County, GA-Cherokee County, AL, Hydrologic Unit 03150105, 6.5 miles southwest of Coosa, and at mile 254.8.

DRAINAGE AREA.--4,360 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—August 1976 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: August 1976 to current year.
pH: August 1976 to current year.
WATER TEMPERATURE: August 1976 to current year.
DISSOLVED OXYGEN: August 1976 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 270 microsiemens, September 26, 27, 29, 30, 1999; minimum recorded, 32 microsiemens, April 15, 1979.
pH: Maximum recorded, 10.4 units, July 9, 1993; minimum recorded, 6.1 units, September 22, 1992.
WATER TEMPERATURE: Maximum recorded, 36.5 °C, July 18, 25, 1986; minimum recorded, 1.0 °C, January 13, 1982.
DISSOLVED OXYGEN: Maximum recorded, 16.9 mg/L, June 19, 2000; minimum recorded, 0.4 mg/L, July 14, 1993.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 218 microsiemens, September 4; minimum recorded, 69 microsiemens, September 21.
pH: Maximum recorded, 8.8 units, June 22; minimum recorded, 6.7 units, September 20, 21.
WATER TEMPERATURE: Maximum recorded, 31.9 °C, August 4; minimum recorded, 6.4 °C, January 30.
DISSOLVED OXYGEN: Maximum recorded, 12.8 mg/L, July 26; minimum recorded, 0.6 mg/L, October 3, 4.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	170	159	166	144	127	135	145	133	142	---	---	---
2	188	163	170	139	130	134	155	137	145	---	---	---
3	190	171	184	140	136	139	151	111	132	147	131	139
4	176	166	171	169	140	153	130	105	120	134	125	129
5	175	169	172	179	166	172	130	77	119	144	124	130
6	178	167	173	182	139	161	138	116	126	145	136	141
7	176	162	168	139	126	131	147	119	133	145	126	136
8	176	155	170	142	130	138	146	129	138	141	127	135
9	198	153	171	141	122	132	141	128	135	127	122	125
10	177	136	153	152	136	142	136	126	130	127	123	124
11	165	134	148	180	147	162	146	125	135	123	119	121
12	146	128	136	188	158	171	143	131	137	135	120	127
13	138	130	134	175	127	148	148	126	137	136	131	133
14	155	138	146	140	120	132	126	112	118	137	128	132
15	161	143	151	136	120	131	125	115	120	131	121	124
16	165	135	152	135	126	132	134	116	124	---	---	---
17	147	131	138	131	109	118	140	114	124	---	---	---
18	147	129	136	153	131	141	140	125	132	---	---	---
19	148	131	139	177	148	164	137	125	130	---	---	---
20	143	128	133	154	120	127	---	---	---	---	---	---
21	150	132	142	155	121	137	---	---	---	---	---	---
22	165	123	138	129	111	120	---	---	---	---	---	---
23	177	120	146	116	104	110	---	---	---	---	---	---
24	146	107	123	122	102	110	---	---	---	164	152	156
25	135	110	119	122	104	112	---	---	---	156	118	145
26	137	118	129	121	102	109	---	---	---	119	109	114
27	122	117	119	130	115	122	---	---	---	120	110	114
28	153	121	141	142	117	130	---	---	---	119	111	114
29	168	140	152	146	123	130	---	---	---	124	114	119
30	180	136	152	136	124	130	---	---	---	134	123	128
31	145	127	136	---	---	---	---	---	---	140	131	135
MONTH	198	107	149	188	102	136	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	147	139	142	133	123	129	169	150	160	162	141	148
2	159	145	150	145	133	140	161	141	151	141	131	135
3	159	155	156	168	144	159	168	150	161	132	118	124
4	167	151	158	162	148	153	166	147	157	142	127	133
5	165	158	162	149	144	147	160	148	155	157	142	148
6	166	154	162	162	146	156	162	151	157	167	157	163
7	156	105	128	163	133	154	168	151	162	172	164	169
8	105	94	100	138	126	133	172	150	163	168	163	165
9	95	93	94	134	111	121	150	136	142	170	164	168
10	99	94	96	125	112	116	162	146	154	172	169	171
11	114	99	106	140	125	131	169	154	161	177	165	172
12	121	110	113	142	138	140	158	148	153	167	155	162
13	119	109	115	141	135	139	163	148	155	160	150	156
14	112	107	109	147	137	141	179	155	171	154	145	149
15	116	111	113	149	144	147	173	135	151	161	141	152
16	124	116	122	149	136	141	155	127	136	154	148	151
17	128	118	122	161	149	156	177	155	167	153	142	147
18	123	117	119	162	154	157	174	163	168	157	134	142
19	125	118	121	160	155	157	174	165	171	153	139	148
20	132	125	129	163	158	161	171	167	169	---	---	---
21	137	126	131	163	152	158	175	168	172	---	135	---
22	139	127	133	157	152	154	182	174	177	148	136	143
23	150	134	140	164	152	155	182	171	178	149	141	147
24	157	138	147	176	162	167	171	162	167	147	138	142
25	160	153	156	176	147	164	168	156	161	146	138	141
26	154	145	147	158	138	147	163	152	157	152	142	146
27	146	142	144	157	139	144	168	156	164	159	142	146
28	143	128	135	163	151	157	169	156	162	155	148	151
29	128	114	121	158	152	156	---	157	---	153	146	148
30	---	---	---	163	151	158	162	152	157	153	143	150
31	---	---	---	166	155	160	---	---	---	157	141	149
MONTH	167	93	130	176	111	148	---	127	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	166	141	153	138	131	134	154	144	150	200	181	187
2	170	160	165	133	126	129	154	152	153	208	195	201
3	182	161	172	139	129	134	160	153	158	213	201	207
4	171	156	161	142	133	138	170	158	163	218	205	212
5	158	153	155	144	136	139	184	158	169	213	196	201
6	168	158	164	155	144	149	180	153	168	203	186	195
7	178	157	170	167	151	157	171	141	153	201	191	196
8	185	173	177	166	132	143	143	127	135	210	191	200
9	198	185	192	136	128	133	135	126	130	205	166	185
10	199	177	189	136	126	132	142	132	136	171	152	162
11	199	187	191	133	124	127	147	134	140	164	153	159
12	187	148	164	134	129	131	164	144	149	165	146	157
13	171	141	160	137	124	131	182	152	170	177	160	170
14	161	151	155	158	137	144	173	152	160	174	166	170
15	170	138	159	177	147	163	163	151	158	177	143	161
16	147	138	143	155	144	149	157	143	151	166	134	154
17	159	147	154	162	152	156	157	146	151	134	90	104
18	190	156	170	162	150	155	173	151	161	102	76	83
19	182	147	164	169	156	163	191	173	179	85	77	82
20	162	152	159	178	165	172	192	155	184	85	76	82
21	162	140	153	178	170	175	169	153	161	76	69	71
22	160	147	152	175	159	167	161	148	155	94	74	81
23	165	148	158	175	159	169	150	129	140	117	94	105
24	186	164	173	162	149	158	147	131	138	152	117	132
25	194	159	179	159	149	155	186	147	159	169	102	125
26	188	162	172	159	145	151	191	181	185	110	88	96
27	178	149	163	160	144	151	185	169	176	92	87	90
28	149	138	142	167	141	150	178	170	172	87	85	86
29	138	131	134	172	150	161	177	163	169	86	85	85
30	137	131	134	157	151	154	177	163	170	90	84	87
31	---	---	---	159	143	152	190	167	180	---	---	---
MONTH	199	131	163	178	124	149	192	126	159	218	69	141

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.3	7.2	7.2	7.4	7.3	7.4	7.6	7.5	7.6	---	---	---
2	7.5	7.2	7.4	7.5	7.4	7.4	7.6	7.6	7.6	---	---	---
3	7.5	7.3	7.4	8.1	7.4	7.5	7.7	7.6	7.6	7.7	7.6	7.6
4	7.4	7.1	7.3	7.6	7.3	7.5	7.6	7.6	7.6	7.7	7.4	7.6
5	7.7	7.3	7.4	7.6	7.4	7.5	7.6	7.5	7.6	7.4	7.3	7.3
6	7.7	7.3	7.4	7.7	7.5	7.6	7.6	7.5	7.6	7.4	7.3	7.3
7	7.6	7.3	7.5	7.5	7.4	7.4	7.6	7.6	7.6	7.4	7.4	7.4
8	7.7	7.5	7.5	7.4	7.4	7.4	7.6	7.6	7.6	7.4	7.4	7.4
9	7.7	7.5	7.6	7.4	7.3	7.4	7.6	7.6	7.6	7.5	7.4	7.5
10	7.6	7.4	7.6	7.4	7.3	7.4	7.6	7.6	7.6	7.5	7.5	7.5
11	7.6	7.5	7.5	7.5	7.4	7.4	7.6	7.6	7.6	7.6	7.5	7.5
12	7.8	7.5	7.5	7.7	7.4	7.5	7.6	7.5	7.6	7.6	7.6	7.6
13	7.6	7.4	7.5	7.7	7.5	7.5	7.6	7.5	7.6	7.6	7.6	7.6
14	7.5	7.5	7.5	7.5	7.4	7.5	7.6	7.5	7.5	7.6	7.6	7.6
15	7.6	7.5	7.5	7.5	7.4	7.4	7.6	7.5	7.5	7.6	7.6	7.6
16	7.6	7.5	7.6	7.5	7.4	7.4	7.6	7.5	7.6	7.7	7.6	7.6
17	7.5	7.4	7.5	7.4	7.4	7.4	7.7	7.6	7.6	7.7	7.7	7.7
18	7.5	7.5	7.5	7.4	7.3	7.4	7.7	7.6	7.6	7.7	7.7	7.7
19	7.7	7.5	7.5	7.6	7.4	7.5	7.7	7.6	7.7	7.7	7.7	7.7
20	7.8	7.5	7.5	7.5	7.1	7.3	---	---	---	7.7	7.7	7.7
21	7.6	7.5	7.5	7.2	7.1	7.1	---	---	---	7.7	7.7	7.7
22	7.6	7.5	7.5	7.2	7.1	7.2	---	---	---	7.7	7.7	7.7
23	7.7	7.5	7.6	7.2	7.1	7.1	---	---	---	7.7	7.7	7.7
24	7.5	7.4	7.5	7.2	7.1	7.2	---	---	---	7.8	7.7	7.7
25	7.5	7.4	7.5	7.5	7.2	7.2	---	---	---	7.8	7.4	7.7
26	7.5	7.4	7.5	7.5	7.4	7.4	---	---	---	7.4	7.2	7.3
27	7.5	7.3	7.4	7.5	7.5	7.5	---	---	---	7.3	7.2	7.2
28	7.5	7.4	7.4	7.6	7.5	7.5	---	---	---	7.3	7.3	7.3
29	7.6	7.4	7.4	7.6	7.5	7.5	---	---	---	7.4	7.3	7.3
30	7.6	7.4	7.5	7.6	7.5	7.5	---	---	---	7.4	7.3	7.4
31	7.4	7.3	7.4	---	---	---	---	---	---	7.4	7.4	7.4
MAX	7.8	7.5	7.6	8.1	7.5	7.6	---	---	---	---	---	---
MIN	7.3	7.1	7.2	7.2	7.1	7.1	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.5	7.4	7.5	7.7	7.6	7.7	7.9	7.7	7.8	7.6	7.5	7.6
2	7.7	7.5	7.6	7.7	7.6	7.7	7.7	7.7	7.7	7.6	7.4	7.5
3	7.6	7.5	7.6	7.8	7.7	7.7	7.8	7.7	7.7	7.5	7.3	7.3
4	7.7	7.6	7.6	7.7	7.6	7.7	7.8	7.7	7.7	7.4	7.3	7.3
5	7.7	7.6	7.7	7.7	7.6	7.6	8.0	7.7	7.8	7.4	7.3	7.3
6	7.7	7.5	7.6	7.7	7.6	7.7	7.9	7.7	7.8	7.5	7.4	7.4
7	7.5	7.1	7.3	7.7	7.5	7.6	8.2	7.8	7.9	7.6	7.4	7.4
8	7.2	7.1	7.1	7.5	7.5	7.5	8.1	7.8	8.0	7.6	7.5	7.5
9	7.1	7.1	7.1	7.5	7.4	7.4	7.9	7.7	7.8	7.8	7.5	7.6
10	7.2	7.1	7.2	7.5	7.4	7.5	7.9	7.7	7.8	7.7	7.5	7.6
11	7.3	7.2	7.2	7.5	7.5	7.5	7.9	7.7	7.8	7.7	7.5	7.6
12	7.5	7.3	7.4	7.7	7.5	7.6	7.8	7.6	7.7	7.7	7.5	7.6
13	7.5	7.5	7.5	7.7	7.6	7.6	7.7	7.6	7.6	7.9	7.5	7.6
14	7.5	7.4	7.5	7.8	7.6	7.7	7.8	7.6	7.7	8.0	7.5	7.7
15	7.5	7.5	7.5	7.7	7.7	7.7	7.7	7.4	7.7	7.7	7.5	7.6
16	7.5	7.5	7.5	7.8	7.7	7.7	7.5	7.3	7.4	7.8	7.5	7.6
17	7.6	7.5	7.5	7.8	7.7	7.8	7.6	7.4	7.5	8.1	7.5	7.7
18	7.5	7.5	7.5	7.8	7.7	7.8	7.8	7.5	7.5	7.9	7.4	7.6
19	7.6	7.5	7.5	7.8	7.8	7.8	8.0	7.5	7.6	7.7	7.4	7.5
20	7.6	7.5	7.6	7.8	7.7	7.7	8.1	7.6	7.7	---	---	---
21	7.6	7.6	7.6	7.8	7.7	7.7	7.8	7.6	7.6	---	---	---
22	7.6	7.6	7.6	7.8	7.7	7.8	7.9	7.6	7.6	8.0	7.4	7.5
23	7.6	7.6	7.6	7.9	7.8	7.8	8.2	7.6	7.7	7.7	7.3	7.5
24	7.7	7.6	7.7	8.3	7.9	8.0	8.0	7.6	7.7	8.3	7.4	7.6
25	7.7	7.7	7.7	8.2	8.0	8.1	7.8	7.5	7.6	8.0	7.5	7.7
26	7.7	7.7	7.7	8.1	7.9	8.0	7.6	7.5	7.5	8.1	7.5	7.6
27	7.7	7.6	7.7	8.0	7.8	7.9	7.6	7.5	7.6	8.0	7.6	7.7
28	7.7	7.6	7.6	8.2	7.9	7.9	7.7	7.6	7.6	8.3	7.6	7.7
29	7.6	7.6	7.6	8.0	7.8	7.9	7.7	7.6	7.6	7.9	7.5	7.7
30	---	---	---	8.0	7.8	7.8	7.6	7.5	7.6	8.2	7.3	7.6
31	---	---	---	7.9	7.8	7.8	---	---	---	8.1	7.5	7.6
MAX	7.7	7.7	7.7	8.3	8.0	8.1	8.2	7.8	8.0	---	---	---
MIN	7.1	7.1	7.1	7.5	7.4	7.4	7.5	7.3	7.4	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.1	7.4	7.6	7.2	7.1	7.2	---	---	---	7.6	7.3	7.4
2	7.7	7.5	7.6	7.2	7.1	7.2	---	---	---	7.4	7.3	7.4
3	7.8	7.5	7.7	7.2	7.1	7.2	---	---	---	7.6	7.4	7.4
4	8.4	7.6	7.8	7.2	7.1	7.2	8.6	---	---	7.9	7.4	7.5
5	8.6	7.6	7.8	7.3	7.1	7.2	7.9	7.5	7.6	7.8	7.4	7.6
6	8.6	7.5	7.6	7.2	7.1	7.2	7.8	7.5	7.6	7.6	7.4	7.5
7	8.3	7.5	7.8	7.4	7.2	7.3	7.7	7.5	7.6	7.5	7.3	7.4
8	8.5	7.6	8.2	7.3	7.2	7.3	8.1	7.5	7.6	7.5	7.5	7.5
9	7.7	7.4	7.6	7.3	7.2	7.2	8.5	7.5	7.7	7.5	7.4	7.5
10	7.8	7.4	7.5	7.2	7.1	7.2	7.8	7.4	7.6	7.5	7.3	7.4
11	8.0	7.2	7.7	7.6	7.0	7.1	8.0	7.4	7.5	7.5	7.3	7.4
12	7.7	7.4	7.5	7.4	7.2	7.3	7.6	7.4	7.5	7.5	7.3	7.4
13	7.7	7.4	7.5	7.5	7.2	7.2	7.6	7.5	7.5	7.4	7.3	7.3
14	8.0	7.3	7.4	7.7	7.4	7.5	7.6	7.4	7.5	7.5	7.3	7.4
15	8.4	7.7	7.8	7.6	7.6	7.6	7.9	7.4	7.6	7.5	7.3	7.4
16	7.7	7.3	7.5	8.3	7.5	7.6	8.3	7.4	7.6	7.4	7.3	7.4
17	7.4	7.2	7.3	7.7	7.5	7.6	7.8	7.4	7.7	7.3	6.9	7.1
18	7.4	7.2	7.3	8.1	7.4	7.6	7.5	7.3	7.4	6.9	6.8	6.8
19	7.5	7.3	7.4	8.2	7.5	7.7	7.9	7.3	7.5	6.9	6.8	6.8
20	7.5	7.3	7.4	8.3	7.6	7.7	7.6	7.3	7.5	6.8	6.7	6.8
21	8.5	7.2	7.4	8.3	7.8	7.8	7.5	7.3	7.4	6.8	6.7	6.7
22	8.8	7.5	8.4	8.3	7.8	7.8	7.4	7.2	7.3	6.9	6.8	6.8
23	7.6	7.2	7.4	8.2	7.7	7.8	7.4	7.2	7.2	6.9	6.9	6.9
24	7.5	7.3	7.4	7.9	7.6	7.7	7.3	7.1	7.2	7.1	6.9	6.9
25	7.5	7.4	7.4	8.0	7.5	7.6	7.3	7.1	7.1	7.4	7.0	7.1
26	7.5	7.3	7.4	8.3	7.5	7.7	7.4	7.3	7.4	7.1	7.0	7.1
27	7.3	7.2	7.3	7.9	7.3	7.5	7.8	7.4	7.4	7.1	7.0	7.0
28	7.2	7.1	7.2	7.5	7.3	7.3	7.8	7.4	7.5	7.2	7.1	7.1
29	7.2	7.1	7.2	7.4	7.2	7.4	8.2	7.3	7.5	7.1	7.1	7.1
30	7.2	7.2	7.2	---	---	---	7.8	7.4	7.6	7.1	7.1	7.1
31	---	---	---	---	---	---	7.9	7.3	7.6	---	---	---
MAX	8.8	7.7	8.4	---	---	---	---	---	---	7.9	7.5	7.6
MIN	7.2	7.1	7.2	---	---	---	---	---	---	6.8	6.7	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.6	22.5	23.9	20.4	18.5	19.6	12.5	11.9	12.1	---	---	---
2	22.5	21.7	22.1	22.0	20.1	20.9	11.9	10.5	11.5	---	---	---
3	22.2	21.0	21.5	21.7	19.8	20.3	11.6	10.5	11.1	9.8	8.7	9.4
4	21.9	21.2	21.6	21.1	19.9	20.4	12.1	10.9	11.5	10.8	9.5	10.3
5	22.5	21.3	21.7	20.7	19.2	19.9	11.7	10.8	11.3	11.6	10.8	11.2
6	21.4	20.5	21.0	21.0	19.5	20.1	11.5	10.4	11.0	13.3	11.6	12.2
7	22.5	20.6	21.6	21.0	20.4	20.7	10.9	9.7	10.4	12.1	9.9	10.9
8	23.3	21.5	22.1	21.4	20.0	20.7	10.2	9.7	10	10.2	8.6	9.6
9	22.6	21.1	21.8	21.1	20.0	20.5	10.7	9.8	10.3	8.6	7.5	8.0
10	22.7	22.1	22.4	20.1	18.6	19.2	11.7	9.9	11.0	7.6	6.9	7.4
11	22.4	21.2	21.9	20.4	18.6	19.5	11.7	10.1	10.9	7.1	6.7	6.9
12	23.1	21.1	21.9	19.7	17.3	18.2	10.7	9.7	10.1	7.3	6.6	6.8
13	22.6	20.9	21.5	18.3	17.4	17.8	10.1	9.1	9.4	7.9	7.1	7.5
14	23.0	21.4	22.2	18.1	17.0	17.5	9.3	8.8	9.1	8.3	7.1	7.8
15	22.9	21.8	22.4	18.4	16.3	17.1	10.2	8.8	9.5	9.3	8.0	8.6
16	22.6	21.4	21.9	16.3	15.8	16.1	10.1	9.3	9.6	9.4	8.1	8.9
17	21.4	20.0	20.9	18.5	16.0	17.3	10.2	9.0	9.6	9.6	8.8	9.2
18	20.4	19.5	20.0	18.3	16.3	17.3	10.0	9.1	9.6	9.8	9.4	9.6
19	21.2	19.3	19.9	19.1	16.9	17.9	9.7	8.8	9.1	9.7	8.9	9.2
20	21.5	19.3	19.8	17.2	16.3	16.8	---	---	---	9.8	8.7	9.2
21	20.8	19.3	20.1	16.3	15.7	16.1	---	---	---	9.8	8.9	9.4
22	20.7	19.7	20.1	16.1	15.6	15.9	---	---	---	8.9	7.7	8.2
23	20.8	19.8	20.1	16.3	15.4	15.9	---	---	---	8.2	7.6	7.8
24	20.8	19.9	20.4	16.9	15.1	15.9	---	---	---	8.2	7.2	7.8
25	20.5	19.4	19.7	16.4	14.6	15.6	---	---	---	8.2	7.7	7.9
26	20.6	19.7	20.4	15.4	14.4	15.0	---	---	---	8.4	7.4	7.8
27	19.7	19.3	19.4	15.0	13.7	14.4	---	---	---	7.5	7.0	7.2
28	21.4	19.5	20.6	15.0	13.1	14.1	---	---	---	7.1	6.9	7.0
29	21.2	18.9	19.7	14.2	12.9	13.6	---	---	---	7.0	6.5	6.8
30	19.5	18.2	19.0	13.5	12.5	12.9	---	---	---	7.0	6.4	6.7
31	20.0	17.7	19.1	---	---	---	---	---	---	7.6	6.7	7.2
MONTH	24.6	17.7	21.0	22.0	12.5	17.6	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.9	7.4	7.6	10.6	9.1	9.9	17.8	16.7	17.2	19.9	18.8	19.5
2	7.9	7.5	7.7	12.1	10.5	11.3	16.7	15.4	15.8	19.8	19.1	19.5
3	8.7	7.6	8.1	13.5	11.4	12.7	15.8	14.5	15.1	19.4	18.7	19.0
4	9.2	7.2	8.4	14.2	12.9	13.6	15.1	14.5	14.9	19.5	18.6	18.9
5	9.1	8.4	8.8	15.0	13.8	14.2	16.5	14.6	15.2	20.9	18.4	19.3
6	9.3	8.0	8.6	16.0	14.7	15.4	16.5	15.1	15.6	21.6	19.1	20.0
7	8.8	7.9	8.1	15.9	15.4	15.6	17.5	15.6	16.2	22.6	20.2	21.1
8	8.2	7.8	8.0	15.4	15.0	15.2	16.7	16.1	16.5	23.4	21.2	22.2
9	7.8	7.6	7.7	15.1	14.2	14.7	16.9	16.1	16.5	25.1	22.3	23.2
10	7.6	7.1	7.3	14.2	13.1	13.5	17.4	16.7	16.9	25.0	23.2	24.0
11	7.8	7.2	7.4	13.1	12.6	12.8	17.4	16.8	17.1	24.7	23.4	24.1
12	8.4	7.8	8.1	12.6	11.8	12.2	18.1	16.7	17.1	23.8	23.2	23.5
13	8.4	7.9	8.1	12.2	11.6	11.9	17.0	15.9	16.5	24.4	23.1	23.6
14	8.4	8.0	8.2	13.0	11.9	12.4	16.4	15.4	16.0	24.0	22.6	23.1
15	8.7	8.4	8.5	12.9	12.6	12.8	15.4	14.3	14.7	23.8	22.3	23.1
16	9.1	8.7	8.9	14.2	12.9	13.3	16.3	14.5	15.2	23.7	22.5	23.0
17	9.1	8.5	8.7	15.0	13.8	14.4	17.5	15.5	16.3	24.8	22.6	23.2
18	8.7	8.3	8.5	15.1	14.2	14.6	19.9	16.5	17.7	23.5	22.4	23.0
19	9.0	8.0	8.5	15.6	14.4	14.8	20.5	17.7	18.7	26.1	23.0	23.9
20	9.2	8.4	8.8	15.4	14.3	14.8	20.3	18.5	19.2	---	---	---
21	9.5	9.0	9.3	15.0	14.7	14.9	20.8	19.3	19.9	---	---	---
22	10.2	9.3	9.8	15.1	14.6	14.8	21.8	20.4	20.9	26.6	24.5	25.0
23	10.9	10.0	10.4	15.5	14.7	15.1	23.4	21.1	21.7	27.3	25.2	25.9
24	11.7	10.5	11.2	15.4	14.5	14.9	23.1	21.0	21.7	27.6	25.3	25.9
25	11.4	10.5	10.9	14.8	13.9	14.3	22.2	21.1	21.6	27.7	25.2	26.0
26	10.8	10.2	10.6	15.5	13.8	14.6	22.0	21.5	21.7	27.5	25.0	26.1
27	10.3	9.4	10	16.4	14.6	15.1	22.5	21.5	21.9	27.5	24.9	25.8
28	9.4	8.7	9.1	17.8	15.4	16.4	22.2	20.9	21.5	26.7	25.3	26.0
29	9.5	8.7	9.1	17.9	16.5	17.1	---	---	---	26.6	25.0	25.8
30	---	---	---	18.2	17.1	17.6	20.5	19.6	20.0	28.2	25.4	26.6
31	---	---	---	18.3	17.8	18.0	---	---	---	27.3	25.3	26.1
MONTH	11.7	7.1	8.8	18.3	9.1	14.3	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.1	25.2	26.1	25.2	24.2	24.7	30.4	27.4	28.8	29.9	29.2	29.5
2	26.9	24.9	25.9	24.7	23.0	23.5	31.6	28.8	29.9	29.7	29.1	29.4
3	25.4	24.2	24.7	24.2	23.3	23.8	31.0	29.2	30.0	29.2	28.4	29.0
4	25.9	23.7	24.6	25.1	23.6	24.3	31.9	29.2	30.2	29.5	28.3	28.7
5	25.4	23.8	24.7	27.3	24.2	25.4	30.5	29.3	29.9	29.0	27.6	28.2
6	26.7	24.1	25.0	27.5	26.0	26.7	30.5	28.7	29.4	28.0	27.0	27.4
7	26.2	25.0	25.5	28.2	26.6	27.5	28.8	27.7	28.3	27.1	26.9	27.0
8	27.2	25.2	26.0	27.5	24.8	25.8	29.0	27.5	28.0	27.3	26.3	26.9
9	28.5	26.2	27.1	26.0	24.8	25.5	29.4	26.6	27.5	26.6	24.4	25.3
10	28.7	26.7	27.5	26.6	25.3	25.9	27.6	26.6	27.2	25.8	24.0	24.6
11	29.1	26.5	27.6	28.7	25.7	26.9	30.0	27.0	27.9	27.2	24.7	25.6
12	27.7	25.5	26.5	27.5	26.7	27.1	28.4	26.8	27.4	27.2	25.2	26.0
13	27.2	24.0	26.2	28.7	27.1	27.7	27.4	25.9	26.6	26.9	26.0	26.5
14	26.9	25.5	26.1	28.5	27.4	27.9	26.3	25.3	25.9	27.0	25.3	26.2
15	27.0	25.7	26.2	28.3	27.7	28.0	25.8	25.0	25.2	26.7	25.5	26.2
16	27.3	25.3	26.1	29.3	27.8	28.1	27.1	24.9	25.6	26.2	24.0	25.2
17	28.8	26.9	27.6	28.5	27.7	28.0	27.5	25.6	26.3	24.0	23.0	23.4
18	28.4	27.0	27.5	29.1	27.2	28.0	28.2	26.6	27.2	23.0	22.3	22.6
19	28.5	27.0	27.8	29.3	27.7	28.4	28.9	26.7	27.7	22.5	21.8	22.2
20	28.2	27.6	27.7	30.2	28.0	28.6	28.5	27.1	27.7	22.1	21.3	21.7
21	29.5	27.4	28.1	29.9	27.8	28.5	28.7	27.1	27.8	21.4	21.1	21.2
22	29.1	27.9	28.5	29.7	27.9	28.5	28.5	27.3	27.9	21.2	20.8	21.0
23	28.5	27.9	28.1	30.8	27.9	29.0	28.3	26.7	27.5	21.6	20.9	21.1
24	28.8	28.0	28.3	30.9	28.3	29.1	27.7	26.6	27.1	21.8	21.0	21.4
25	28.8	26.5	27.9	30.7	28.6	29.3	27.7	26.8	27.0	23.1	21.5	22.6
26	27.0	25.8	26.6	29.1	27.7	28.3	28.4	26.6	27.4	23.4	22.7	23.1
27	25.8	24.4	25.0	29.4	28.1	28.8	29.7	28.0	28.5	23.3	23.1	23.2
28	24.4	23.7	24.1	29.5	28.1	28.7	29.5	27.7	28.4	23.1	22.7	22.9
29	24.3	23.6	23.9	28.1	26.9	27.6	28.6	27.4	27.9	22.9	22.6	22.8
30	24.7	23.7	24.2	27.9	27.0	27.4	28.8	27.4	28.2	22.7	22.3	22.6
31	---	---	---	29.0	27.4	27.8	29.9	28.3	28.8	---	---	---
MONTH	29.5	23.6	26.4	30.9	23.0	27.3	31.9	24.9	27.8	29.9	20.8	24.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.0	6.0	6.4	10.1	9.0	9.4	9.9	9.6	9.7	---	---	---
2	7.9	4.7	6.5	9.6	8.7	9.2	10.6	9.9	10.2	---	---	---
3	7.5	0.6	5.3	11.2	8.4	9.1	10.7	10.3	10.5	11.6	11.4	11.5
4	7.6	0.6	5.1	8.7	7.3	7.8	10.5	10.3	10.4	11.5	10.9	11.2
5	10.5	5.9	8.6	8.5	7.9	8.2	10.5	10.2	10.4	11.0	10.6	10.8
6	10.2	7.8	8.8	8.5	7.7	8.1	10.5	10.2	10.4	10.6	10.2	10.4
7	9.0	7.6	8.3	7.9	7.7	7.8	10.7	10.4	10.5	10.9	10.3	10.6
8	9.0	7.5	8.2	7.8	7.4	7.6	10.8	10.6	10.7	11.1	10.3	10.6
9	8.5	7.1	8.1	8.1	7.6	7.9	10.8	10.7	10.8	11.8	11.0	11.4
10	8.4	7.1	7.7	8.4	7.1	8.0	10.9	10.6	10.7	12.2	11.8	11.9
11	7.7	6.0	6.9	8.2	6.4	8.0	10.7	10.4	10.6	12.3	12.1	12.2
12	7.6	5.8	6.4	9.5	8.1	8.9	10.7	10.5	10.6	12.5	12.3	12.4
13	---	---	---	9.5	8.8	9.1	10.9	10.5	10.7	12.6	12.4	12.5
14	---	---	---	9.2	8.9	9.0	11.0	10.8	10.9	12.6	12.2	12.5
15	---	---	---	9.1	8.1	8.9	11.1	10.9	11.0	12.3	12.0	12.2
16	---	---	---	10.1	8.8	9.2	11.3	11.0	11.2	12.2	11.8	12.0
17	---	---	---	9.7	8.9	9.3	11.3	11.1	11.2	11.9	9.8	11.5
18	8.2	8.0	8.1	8.9	8.6	8.8	11.4	10.9	11.1	11.4	10.9	11.3
19	8.9	8.0	8.3	9.0	8.4	8.8	11.1	11.0	11.0	11.8	11.2	11.5
20	9.3	8.0	8.3	9.0	7.5	8.0	---	---	---	11.8	11.3	11.6
21	8.5	8.2	8.3	8.0	7.4	7.7	---	---	---	12.0	11.5	11.7
22	8.6	8.3	8.4	8.6	7.9	8.2	---	---	---	12.6	11.4	12.3
23	8.4	8.0	8.3	9.0	8.5	8.8	---	---	---	12.6	11.8	12.4
24	8.4	7.9	8.1	9.1	8.8	9.0	---	---	---	12.5	12.2	12.3
25	8.4	7.9	8.2	9.3	8.9	9.1	---	---	---	12.3	11.6	12.1
26	8.3	7.6	7.9	9.3	9.0	9.1	---	---	---	11.6	10.8	11.1
27	8.2	7.4	7.8	9.4	9.2	9.3	---	---	---	10.9	10.7	10.8
28	8.0	7.2	7.5	9.5	9.3	9.4	---	---	---	11.1	10.9	11.1
29	8.0	7.4	7.7	9.5	9.3	9.4	---	---	---	11.6	11.1	11.3
30	9.2	7.8	8.4	9.6	9.4	9.5	---	---	---	11.7	11.6	11.7
31	10.0	9.1	9.5	---	---	---	---	---	---	11.8	11.7	11.8
MONTH	---	---	---	11.2	6.4	8.7	---	---	---	---	---	---

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.7	11.6	11.7	11.9	11.6	11.8	9.1	8.4	8.8	8.3	7.7	8.0
2	11.8	11.7	11.8	11.6	11.1	11.4	9.3	8.8	9.0	8.2	7.5	7.8
3	11.8	11.6	11.6	11.1	10.3	10.8	9.9	9.1	9.4	7.6	6.9	7.2
4	11.8	11.5	11.6	10.3	10.1	10.2	10.0	9.2	9.5	7.1	6.8	6.9
5	11.7	11.5	11.6	10.1	9.9	10.0	10.6	9.7	10.0	7.1	6.4	6.7
6	11.5	11.0	11.4	9.9	9.3	9.6	10.3	9.6	9.9	7.6	6.7	7.0
7	11.0	10.4	10.7	9.3	8.8	9.0	10.8	9.8	10.2	8.0	6.6	7.0
8	10.4	10.2	10.4	8.8	8.4	8.6	10.4	9.8	10.1	8.1	7.1	7.5
9	10.6	10.3	10.5	8.6	8.1	8.3	10.2	9.7	9.9	8.7	7.3	7.8
10	11.0	10.6	10.8	9.3	8.5	8.9	10.1	9.3	9.6	8.1	7.1	7.4
11	11.5	10.9	11.1	10.0	9.2	9.5	9.7	8.9	9.2	7.7	6.8	7.3
12	11.4	11.1	11.2	10.7	10.0	10.4	9.5	8.5	8.8	7.4	6.3	7.0
13	11.7	11.3	11.5	10.8	10.7	10.7	8.8	8.4	8.5	8.7	6.3	7.4
14	11.7	11.5	11.6	11.0	10.6	10.8	9.1	8.4	8.8	9.3	7.2	8.0
15	11.5	11.3	11.4	10.7	10.5	10.6	9.6	8.5	9.2	8.1	7.1	7.5
16	11.3	11.1	11.2	10.5	10.1	10.3	8.6	8.1	8.3	8.9	7.3	7.8
17	11.6	11.2	11.4	10.2	9.8	10.0	9.1	8.4	8.8	9.7	7.2	8.3
18	11.7	11.4	11.6	10.5	9.7	10.0	9.6	8.2	8.7	9.1	6.6	7.8
19	11.8	11.7	11.7	11.0	9.8	10.2	10.0	8.4	9.0	8.6	6.8	7.4
20	11.7	11.6	11.7	11.0	9.8	10.7	9.8	8.0	8.8	---	---	---
21	11.6	11.4	11.5	10.7	10.1	10.4	8.8	7.3	8.1	---	---	---
22	11.4	11.2	11.3	10.9	10.4	10.6	8.6	6.4	7.2	9.7	7.4	8.1
23	11.3	11.0	11.1	10.9	10.6	10.8	---	---	---	8.8	7.0	7.9
24	11.0	10.9	11.0	11.0	10.5	10.8	---	---	---	10.0	7.4	8.4
25	11.0	10.9	10.9	11.3	10.4	10.8	---	---	---	9.8	7.8	8.5
26	11.1	10.9	11.1	11.2	10.7	11.0	---	---	---	10.2	7.8	8.5
27	11.3	11.0	11.2	11.0	10.6	10.8	---	---	---	9.9	8.2	8.8
28	11.8	11.3	11.7	11.1	10.2	10.6	---	---	---	10.7	4.6	8.8
29	12.0	11.8	11.9	10.2	9.7	10.1	---	---	---	9.3	4.6	8.4
30	---	---	---	9.8	9.2	9.6	7.9	7.2	7.6	11.1	6.6	8.4
31	---	---	---	9.2	8.9	9.1	---	---	---	10.2	4.8	7.9
MONTH	12.0	10.2	11.3	11.9	8.1	10.2	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.4	7.9	8.6	6.6	5.9	6.2	---	---	---	7.1	4.3	6.2
2	8.9	7.5	8.1	7.4	6.6	7.0	---	---	---	6.0	4.3	5.3
3	8.6	7.1	7.9	8.9	7.6	8.3	---	---	---	7.4	5.1	5.9
4	10.4	7.6	8.6	6.8	6.5	6.7	10.3	5.9	7.7	8.3	5.1	6.5
5	11.0	8.1	9.2	7.4	5.9	6.6	8.1	6.4	7.0	8.7	4.9	7.1
6	12.1	7.6	9.0	6.6	5.6	6.0	7.8	6.3	6.7	7.9	5.3	6.5
7	11.4	7.8	9.3	6.4	5.9	6.1	7.8	6.6	7.0	6.3	5.5	5.9
8	11.5	7.9	10.1	7.0	6.0	6.4	9.3	6.7	7.8	6.4	5.4	5.8
9	8.6	6.5	7.7	---	---	---	10.2	6.5	8.1	6.6	5.6	6.1
10	9.0	4.3	7.5	---	---	---	8.4	5.4	7.1	6.5	5.3	5.9
11	9.8	4.3	7.9	---	---	---	9.5	5.4	7.3	7.0	5.2	5.9
12	9.1	7.0	8.3	---	---	---	8.1	6.5	7.1	6.6	5.3	5.9
13	9.4	7.0	8.2	---	---	---	7.8	6.1	7.0	5.8	5.2	5.4
14	10.5	7.2	8.5	7.9	6.9	7.2	8.1	6.3	7.3	6.3	4.8	5.9
15	11.7	6.6	8.8	7.6	6.8	7.1	10.1	6.5	7.7	6.3	5.7	6.0
16	9.1	6.6	7.9	10.2	7.2	8.0	12.2	6.6	8.2	6.9	6.0	6.4
17	8.7	5.1	7.1	8.0	6.8	7.4	9.9	4.7	8.0	6.7	---	---
18	7.3	5.6	6.8	10.1	6.7	8.3	8.7	6.0	7.5	---	---	---
19	9.0	6.6	7.8	10.7	7.1	8.2	10.2	5.2	8.1	---	---	---
20	8.9	5.1	7.3	11.3	7.5	8.6	8.2	4.5	6.9	---	---	---
21	11.9	5.2	8.3	11.0	8.0	9.3	8.5	5.3	6.7	---	---	---
22	11.0	7.4	9.4	10.9	8.7	9.4	7.3	5.6	6.4	---	---	---
23	7.9	6.0	6.8	11.2	8.6	9.5	8.8	5.3	6.5	---	---	---
24	7.3	5.7	6.5	10.4	8.4	9.0	9.2	6.7	8.0	---	---	---
25	7.3	6.3	6.7	11.3	7.9	9.1	---	---	---	7.0	5.9	6.6
26	6.9	6.3	6.7	12.8	6.8	9.4	6.7	5.6	6.1	6.9	6.6	6.8
27	6.6	5.9	6.2	9.4	5.5	7.3	8.8	4.8	6.8	6.9	6.8	6.8
28	6.2	5.9	6.1	7.0	3.3	5.5	8.6	4.8	7.1	7.0	6.8	6.9
29	6.6	6.0	6.2	7.4	1.2	4.3	10.2	4.7	7.2	7.0	6.9	7.0
30	6.4	5.9	6.3	5.7	1.2	4.3	9.0	6.1	7.5	7.2	7.0	7.1
31	---	---	---	6.9	2.1	4.5	8.8	5.6	7.5	---	---	---
MONTH	12.1	4.3	7.8	---	---	---	---	---	---	---	---	---

MOBILE RIVER BASIN
2004 Water Year

02397830 HARRISBURG CREEK AT HAWKINS, GA

LOCATION.—Lat 34°36'02", long 85°23'21", referenced to North American Datum (NAD) of 1927, Walker County, Hydrologic Unit 03150105, at bridge on County Road 91, 0.7 miles west of Hawkins.

DRAINAGE AREA.—13.3 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1980 to 1982 (operated as a continuous streamflow station), 1983 to current year.

REVISED RECORDS.—WDR GA-04-1: Peak of record.

GAGE.—Crest-stage partial-record gage. Datum of gage is 730.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 12.56 feet, February 16, 1990
DISCHARGE: 2,680 cfs, February 16, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 12.32 feet, September 17
DISCHARGE: 2,560 cfs, September 17

2004 Water Year

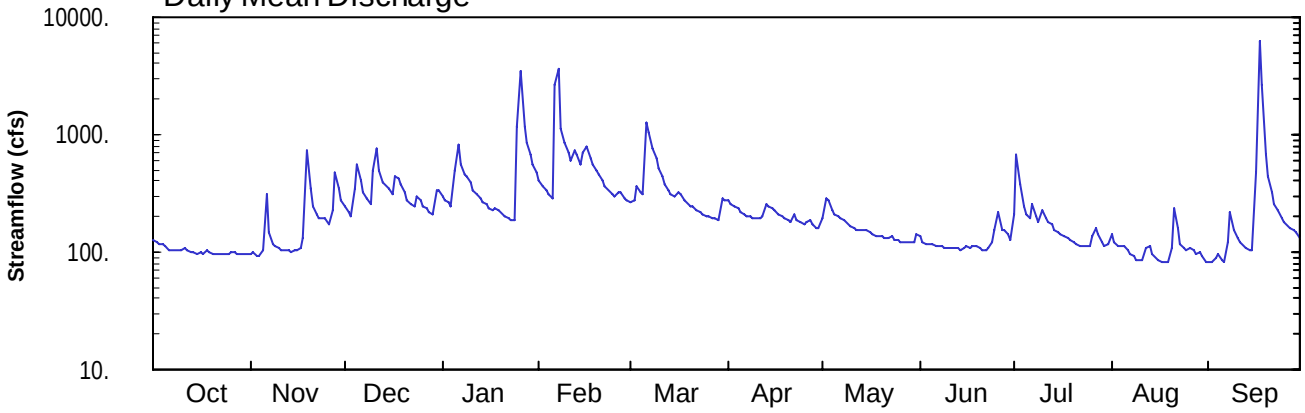
MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA

Latitude: 34°27'59" Longitude: 085°20'10" Hydrologic Unit Code: 03150105

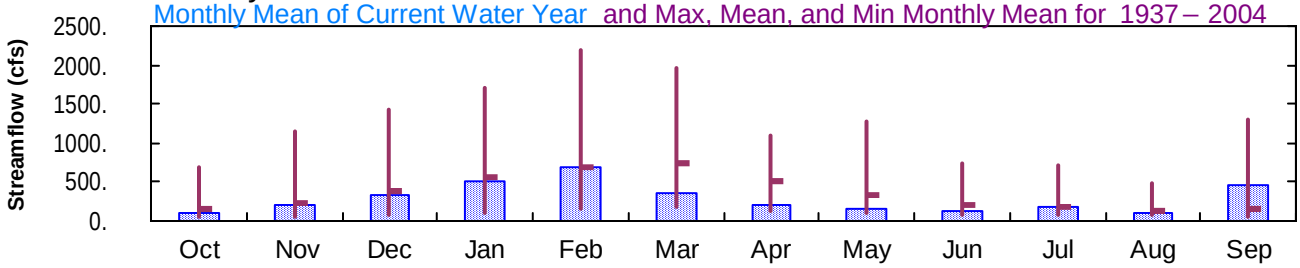
Chattooga County Datum: 613.47 feet Drainage Area: 192. mi²

Daily Mean Discharge

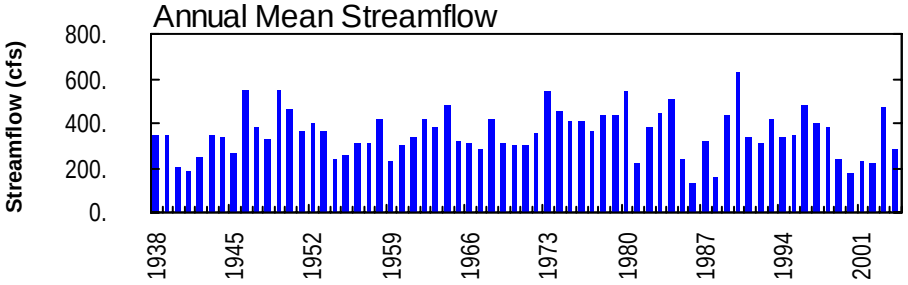


Monthly Statistics

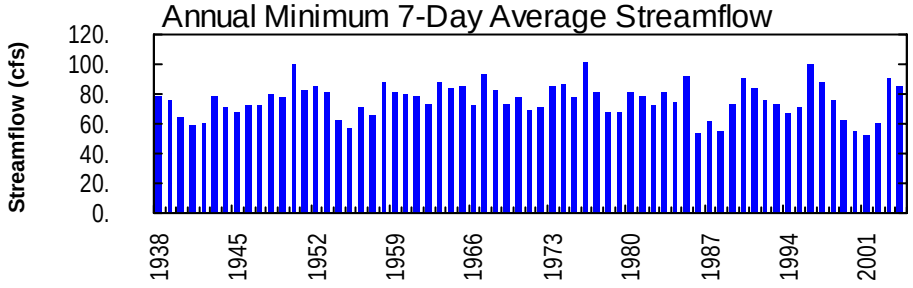
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



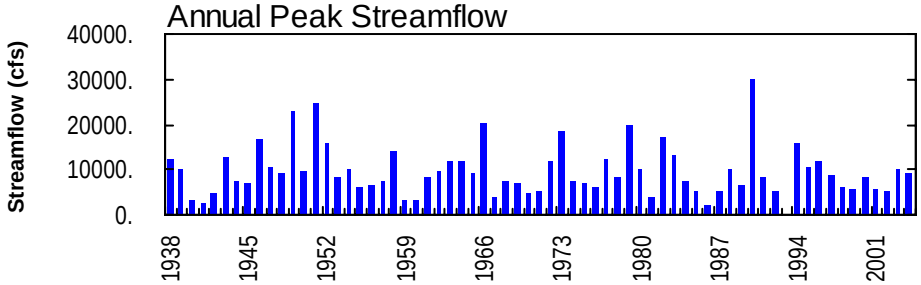
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2004 Water Year

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA

LOCATION.—Lat 34°27'59", long 85°20'10" (revised), referenced to North American Datum (NAD) of 1983, Chattooga County, Hydrologic Unit 03150105, on left bank 600.0 feet downstream from bridge on US 27, 1.0 mile southeast of Summerville, and 4.0 miles upstream from Raccoon Creek.

DRAINAGE AREA.—192 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1937 to current year.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 613.47 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to November 12, 1937, non-recording gage was located at same site and datum.

REMARKS.—Records fair. Low and medium flow had previously been regulated by a power plant at Trion, 6.0 miles upstream from the station, but it is now no longer in operation.

PEAKS DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
01/26	0830	4,810	14.01
02/07	0245	6,520	15.28
09/17	2015	9,370*	16.67*

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1937 to current water year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 613.47 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to November 12, 1937, non-recording gage was located at same site and datum.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.67 feet, September 17; minimum gage-height recorded, 2.08 feet, August 20.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 055
LATITUDE 342759 LONGITUDE 0852010 NAD83 DRAINAGE AREA 192 CONTRIBUTING DRAINAGE AREA 192* DATUM 613.47 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.47	2.33	3.11	3.39	3.81	3.21	3.27	2.86	2.48	2.85	2.51	2.11
2	2.45	2.34	2.98	3.29	3.63	3.29	3.18	3.22	2.38	4.69	2.39	2.11
3	2.43	2.32	2.90	3.20	3.55	3.61	3.13	3.20	2.35	3.62	2.32	2.17
4	2.44	2.32	3.51	3.14	3.40	3.48	3.07	2.95	2.35	3.04	2.31	2.20
5	2.42	2.38	4.34	4.06	3.30	3.44	3.00	2.87	2.33	2.84	2.30	2.13
6	2.40	3.38	3.79	5.24	9.44	6.83	2.95	2.81	2.32	2.79	2.27	2.11
7	2.39	2.64	3.49	4.35	11.67	5.94	2.93	2.76	2.31	3.08	2.21	2.36
8	2.39	2.48	3.30	4.01	6.34	4.98	2.92	2.72	2.30	2.80	2.19	2.89
9	2.37	2.44	3.16	3.92	5.32	4.53	2.89	2.67	2.29	2.71	2.14	2.56
10	2.38	2.41	4.05	3.74	4.82	4.20	2.86	2.63	2.29	2.95	2.12	2.43
11	2.40	2.39	5.00	3.52	4.47	3.93	2.88	2.58	2.28	2.78	2.13	2.36
12	2.39	2.39	4.13	3.41	4.94	3.71	2.91	2.57	2.28	2.69	2.27	2.32
13	2.36	2.39	3.76	3.31	4.69	3.55	3.18	2.56	2.29	2.66	2.32	2.28
14	2.35	2.37	3.71	3.22	4.38	3.43	3.14	2.57	2.27	2.57	2.20	2.26
15	2.34	2.37	3.60	3.17	4.85	3.37	3.07	2.56	2.28	2.53	2.16	2.26
16	2.35	2.39	3.44	3.09	5.16	3.47	3.02	2.54	2.31	2.49	2.13	3.70
17	2.34	2.40	3.92	3.04	4.60	3.42	2.97	2.51	2.30	2.48	2.11	14.52
18	2.37	2.53	3.89	3.07	4.34	3.28	2.93	2.48	2.31	2.44	2.12	9.44
19	2.36	4.97	3.67	3.04	4.13	3.21	2.87	2.48	2.31	2.41	2.11	4.83
20	2.34	3.58	3.45	2.95	3.98	3.15	2.84	2.46	2.28	2.36	2.27	4.02
21	2.32	3.13	3.29	2.91	3.83	3.13	2.82	2.44	2.27	2.34	2.96	3.50
22	2.33	2.95	3.18	2.87	3.64	3.04	2.96	2.44	2.26	2.33	2.59	3.20
23	2.32	2.87	3.14	2.84	3.51	2.99	2.85	2.46	2.28	2.32	2.36	3.04
24	2.33	2.86	3.39	2.83	3.42	2.95	2.80	2.41	2.38	2.32	2.29	2.88
25	2.34	2.87	3.24	6.21	3.37	2.93	2.76	2.40	2.55	2.32	2.27	2.81
26	2.35	2.78	3.14	12.04	3.45	2.91	2.81	2.39	2.89	2.48	2.28	2.75
27	2.35	3.03	3.08	6.49	3.49	2.89	2.84	2.38	2.56	2.59	2.27	2.70
28	2.33	4.04	3.01	5.28	3.34	2.87	2.75	2.37	2.55	2.51	2.20	2.66
29	2.34	3.59	2.96	4.71	3.27	2.85	2.70	2.37	2.49	2.37	2.22	2.64
30	2.33	3.29	3.51	4.37	---	3.29	2.70	2.38	2.42	2.33	2.18	2.56
31	2.33	---	3.53	4.07	---	3.26	---	2.51	---	2.34	2.11	---
MEAN	2.37	2.81	3.51	4.03	4.56	3.59	2.93	2.60	2.37	2.68	2.27	3.33
MAX	2.47	4.97	5.00	12.04	11.67	6.83	3.27	3.22	2.89	4.69	2.96	14.52
MIN	2.32	2.32	2.90	2.83	3.27	2.85	2.70	2.37	2.26	2.32	2.11	2.11

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 055
LATITUDE 342759 LONGITUDE 0852010 NAD83 DRAINAGE AREA 192 CONTRIBUTING DRAINAGE AREA 192* DATUM 613.47 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	96	242	303	407	264	276	198	139	211	144	83
2	121	98	215	280	360	281	258	285	123	669	124	82
3	117	93	199	262	341	357	246	281	118	382	113	91
4	116	93	349	249	306	325	233	228	117	246	112	95
5	112	105	559	496	284	316	219	213	115	207	111	85
6	106	309	404	827	2660	1270	210	202	114	196	106	82
7	105	148	328	561	3630	1020	205	192	111	255	96	122
8	105	119	282	461	1130	755	203	183	110	200	93	217
9	103	113	253	437	850	616	197	174	108	180	87	153
10	104	108	495	391	708	516	191	165	108	231	84	131
11	107	105	756	336	597	440	195	157	107	195	85	119
12	105	105	495	308	739	382	201	154	107	177	106	112
13	101	105	394	285	666	341	257	152	108	171	113	106
14	100	102	381	265	568	315	249	154	106	154	94	104
15	98	102	354	254	709	298	234	152	107	147	89	104
16	100	105	316	237	806	323	223	149	112	141	85	476
17	98	107	439	227	638	310	214	143	110	138	83	6230
18	103	131	430	234	555	279	204	139	111	131	83	2700
19	101	745	371	228	497	264	193	138	111	127	83	685
20	98	352	318	210	454	250	187	136	106	120	110	446
21	95	246	281	200	413	246	182	133	106	116	237	320
22	96	209	258	194	364	229	210	133	104	114	159	256
23	95	192	249	188	332	218	189	135	107	113	119	223
24	97	191	303	184	312	209	178	128	123	113	109	192
25	97	194	271	1170	297	205	172	126	151	113	105	180
26	99	175	248	3460	318	200	180	124	217	138	106	167
27	99	229	235	1170	328	198	186	122	153	160	105	158
28	96	471	222	839	292	194	169	121	151	144	95	151
29	98	353	211	670	276	188	159	120	140	121	99	148
30	95	281	337	566	---	285	158	123	128	114	92	133
31	96	---	336	479	---	274	---	144	---	116	82	---
TOTAL	3187	5782	10531	15971	19837	11368	6178	5004	3628	5640	3309	14151
MEAN	103	193	340	515	684	367	206	161	121	182	107	472
MAX	124	745	756	3460	3630	1270	276	285	217	669	237	6230
MIN	95	93	199	184	276	188	158	120	104	113	82	82
CFSM	0.54	1.00	1.77	2.68	3.56	1.91	1.07	0.84	0.63	0.95	0.56	2.46
IN.	0.62	1.12	2.04	3.09	3.84	2.20	1.20	0.97	0.70	1.09	0.64	2.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	148	237	377	569	684	730	503	343	194	189	137	153
MAX	679	1150	1420	1709	2187	1970	1103	1276	738	709	497	1309
(WY)	1990	1949	1968	1947	1990	1980	1979	2003	1989	1989	1984	1950
MIN	54.2	61.2	72.5	106	157	166	129	90.6	71.2	65.0	68.4	61.3
(WY)	2001	1988	2000	1981	1941	1988	1986	1986	1988	1986	1986	2000

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	154387		104586			
ANNUAL MEAN	423		286		354	
HIGHEST ANNUAL MEAN					628	1990
LOWEST ANNUAL MEAN					133	1986
HIGHEST DAILY MEAN	7620	May 7	6230	Sep 17	19600	Feb 16 1990
LOWEST DAILY MEAN	93	Nov 3	82	Aug 31 a	38	Oct 17 1937
ANNUAL SEVEN-DAY MINIMUM	96	Oct 29	86	Aug 31	52	Oct 7 2000
MAXIMUM PEAK FLOW			9370	Sep 17	30100	Feb 16 1990
MAXIMUM PEAK STAGE			16.67	Sep 17	22.63	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.20		1.49		1.84	
ANNUAL RUNOFF (INCHES)	29.91		29.26		25.04	
10 PERCENT EXCEEDS	735		495		700	
50 PERCENT EXCEEDS	262		188		178	
90 PERCENT EXCEEDS	105		99		82	

a Also Sep 2,6

MOBILE RIVER BASIN
2004 Water Year

02398022 CHATTOOGA RIVER AT LYERLY, GA

LOCATION.—Lat 34°24'40", long 85°23'18", referenced to North American Datum (NAD) of 1927, Chattooga County, Hydrologic Unit 03150105, 7.0 miles south of US 27, 0.7 miles east of GA 114 on Mohawk Industries property.

DRAINAGE AREA.—238 square miles.

COOPERATION.—City of Summerville.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 5, 1998 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 590.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1.1 is effective from March 11, 2003 to current year.

REMARKS.—Records good. Measurements for current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/06/03	4.00	142
12/04/03	4.68	277
04/29/04	4.23	214
06/29/04	4.16	187
08/03/04	3.93	134

02411735 McCLENDON CREEK TRIBUTARY AT GA 120, NEAR DALLAS, GA

LOCATION.—Lat 33°50'58", long 84°57'20", referenced to North American Datum (NAD) of 1927, Paulding County, Hydrologic Unit 03150108, at culvert on GA 120, 9.3 miles southwest of Dallas.

DRAINAGE AREA.—0.88 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 1,200.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.23 feet, May 27, 1981
DISCHARGE: 860 cfs, May 27, 1981

MAXIMUM FOR CURRENT YEAR.—
STAGE: 3.98 feet, September 16
DISCHARGE: 273 cfs, September 16

MOBILE RIVER BASIN
2004 Water Year

02411902 MANN CREEK TRIBUTARY AT GA 100, NEAR TALLOPOOSA, GA

LOCATION.—Lat 33°51'16", long 85°17'28", referenced to North American Datum (NAD) of 1927, Haralson County, Hydrologic Unit 03150108, at culvert on GA 100, 7.0 miles north of Tallapoosa.

DRAINAGE AREA.—0.12 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 1,120.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined. There were no recorded peaks on the upstream crest-stage gage for the 2004 water year.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.47 feet, September 17, 2002
DISCHARGE: 142 cfs, September 17, 2002

MAXIMUM FOR CURRENT YEAR.—
STAGE: 0.87 feet, September 16
DISCHARGE: unknown, September 16

MOBILE RIVER BASIN
2004 Water Year

02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA

LOCATION.—Lat 33°44'27", long 85°20'11", referenced to North American Datum (NAD) of 1927, Haralson County, Hydrologic Unit 03150108, at bridge on US 78, 0.4 miles upstream from Walker Creek, and 2.7 miles west of Tallapoosa, and at mile 216.5.

DRAINAGE AREA.—272 square miles.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1999 to September 2004 (discontinued).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Estimated daily discharges: June 9-10, September 4. Records fair. Several observations of specific conductance and water temperature were made during the year. This station is operated by the USGS, Alabama District. For more information, please check http://al.water.usgs.gov.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	0630	3,580	12.74
02/06	1800	3,240	11.74
09/17	0600	4,500*	15.37*

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GEORGIA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 143
LATITUDE 334427 LONGITUDE 0852011 NAD27 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM
Date Processed: 2005-05-06 13:06 By mwtreece
APPROVED
DD #2
Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	86	318	264	304	369	335	274	286	1050	126	76
2	137	94	272	255	289	372	292	411	228	619	129	106
3	131	87	249	255	328	422	265	479	194	535	107	107
4	124	87	253	256	351	416	253	366	183	382	98	104
5	114	95	249	286	299	381	242	299	166	303	88	92
6	107	105	240	374	1760	477	233	268	149	231	94	83
7	114	113	222	325	2160	548	235	249	152	339	99	465
8	123	118	207	273	852	439	234	229	170	350	93	936
9	128	107	197	287	551	386	230	222	160	337	81	526
10	127	100	301	299	469	354	221	226	156	251	95	316
11	118	101	514	272	440	337	260	206	145	209	103	254
12	109	98	377	256	843	322	299	199	133	191	452	211
13	107	99	294	248	933	308	1030	215	138	223	357	185
14	104	91	311	244	632	292	930	201	151	249	207	168
15	101	89	351	239	662	291	515	189	230	225	137	158
16	99	87	301	230	823	327	398	195	247	183	115	843
17	100	95	350	224	621	327	345	250	577	179	103	3990
18	110	283	371	262	501	302	305	356	287	204	95	2530
19	104	2760	306	281	446	284	281	303	213	156	92	721
20	99	1390	266	252	416	273	267	244	160	141	87	514
21	94	446	247	231	396	273	257	213	138	139	89	396
22	91	295	237	224	373	265	249	185	203	113	98	314
23	88	242	246	216	354	255	236	222	176	107	104	274
24	85	243	430	211	341	243	225	233	214	117	97	249
25	82	255	430	535	350	235	219	187	197	109	111	228
26	84	230	330	1710	442	237	406	168	207	166	149	211
27	90	377	284	878	486	236	507	154	374	243	108	196
28	96	935	264	516	443	237	355	152	763	249	97	190
29	99	631	259	411	399	235	275	181	567	162	92	193
30	93	397	293	367	---	343	256	186	521	130	86	182
31	88	---	293	333	---	381	---	257	---	116	78	---
TOTAL	3287	10136	9262	11014	17264	10167	10155	7519	7485	8008	3867	14818
MEAN	106	338	299	355	595	328	338	243	250	258	125	494
MAX	141	2760	514	1710	2160	548	1030	479	763	1050	452	3990
MIN	82	86	197	211	289	235	219	152	133	107	78	76
CFSM	0.39	1.24	1.10	1.31	2.19	1.21	1.24	0.89	0.92	0.95	0.46	1.82
IN.	0.45	1.39	1.27	1.51	2.36	1.39	1.39	1.03	1.02	1.10	0.53	2.03

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GEORGIA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 143
LATITUDE 334427 LONGITUDE 0852011 NAD27 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM
Date Processed: 2005-05-06 13:06 By mwtreece
APPROVED
DD #1
Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.86	1.54	2.56	2.37	2.51	2.72	2.61	2.34	2.38	5.07	1.72	1.40
2	1.85	1.59	2.40	2.32	2.46	2.73	2.47	2.81	2.15	3.56	1.73	1.60
3	1.82	1.55	2.30	2.32	2.59	2.90	2.38	3.03	2.02	3.25	1.61	1.61
4	1.77	1.55	2.31	2.33	2.66	2.88	2.32	2.64	1.98	2.69	1.55	1.59
5	1.72	1.60	2.30	2.44	2.50	2.76	2.27	2.43	1.91	2.44	1.49	1.52
6	1.68	1.67	2.26	2.73	7.18	3.10	2.23	2.32	1.84	2.16	1.53	1.45
7	1.72	1.71	2.19	2.58	8.57	3.35	2.24	2.23	1.84	2.55	1.56	2.97
8	1.77	1.74	2.14	2.41	4.45	2.96	2.24	2.15	1.93	2.59	1.52	4.76
9	1.80	1.68	2.10	2.46	3.36	2.78	2.22	2.12	1.89	2.54	1.43	3.22
10	1.79	1.63	2.48	2.50	3.07	2.67	2.19	2.14	1.87	2.24	1.52	2.48
11	1.75	1.64	3.23	2.40	2.97	2.62	2.34	2.07	1.81	2.08	1.58	2.25
12	1.69	1.62	2.75	2.33	4.42	2.57	2.50	2.04	1.76	2.01	2.93	2.08
13	1.68	1.63	2.48	2.29	4.74	2.53	5.06	2.09	1.78	2.13	2.62	1.99
14	1.66	1.58	2.53	2.28	3.66	2.47	4.72	2.05	1.84	2.23	2.07	1.92
15	1.65	1.57	2.66	2.26	3.76	2.47	3.17	2.00	2.16	2.14	1.77	1.87
16	1.63	1.55	2.50	2.22	4.35	2.58	2.75	2.02	2.22	1.98	1.66	4.13
17	1.63	1.60	2.66	2.20	3.61	2.59	2.57	2.23	3.41	1.96	1.59	13.90
18	1.70	2.31	2.72	2.36	3.18	2.51	2.45	2.61	2.37	2.06	1.53	9.63
19	1.66	10.34	2.52	2.44	2.99	2.45	2.37	2.43	2.09	1.87	1.51	3.95
20	1.63	6.24	2.38	2.31	2.88	2.41	2.31	2.21	1.88	1.80	1.48	3.17
21	1.60	2.99	2.29	2.22	2.81	2.41	2.27	2.09	1.78	1.78	1.49	2.75
22	1.58	2.48	2.25	2.20	2.73	2.38	2.23	1.99	2.05	1.65	1.55	2.47
23	1.56	2.27	2.29	2.17	2.67	2.32	2.18	---	1.95	1.61	1.59	2.34
24	1.54	2.28	2.93	2.15	2.63	2.27	2.13	2.17	2.09	1.67	1.55	2.23
25	1.52	2.33	2.93	3.30	2.66	2.24	2.11	2.00	2.03	1.62	1.61	2.14
26	1.53	2.22	2.59	7.29	2.97	2.25	2.79	1.92	2.07	1.89	1.83	2.08
27	1.57	2.75	2.45	4.54	3.13	2.24	3.14	1.86	2.67	2.21	1.61	2.03
28	1.61	4.76	2.37	3.24	2.98	2.25	2.61	1.85	4.11	2.23	1.55	2.01
29	1.63	3.65	2.34	2.86	2.82	2.24	2.34	1.97	3.37	1.89	1.51	2.02
30	1.59	2.82	2.48	2.71	---	2.63	2.26	1.99	3.19	1.74	1.47	1.98
31	1.56	---	2.48	2.61	---	2.76	---	2.26	---	1.66	1.41	---
MEAN	1.67	2.50	2.48	2.67	3.49	2.58	2.58	---	2.21	2.24	1.66	2.98
MAX	1.86	10.34	3.23	7.29	8.57	3.35	5.06	---	4.11	5.07	2.93	13.90
MIN	1.52	1.54	2.10	2.15	2.46	2.24	2.11	---	1.76	1.61	1.41	1.40

02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA

LOCATION.—Lat 33°29'34", long 85°16'45", referenced to North American Datum (NAD) of 1927, Carroll County, Hydrologic Unit 03150108, at bridge on GA 100, 1.9 miles upstream from Indian Creek, and 3.8 miles southwest of Bowdon.

DRAINAGE.—245 square miles.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1999 to September 2004 (discontinued).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—No estimated daily discharges. Records are good. Several observations of specific conductance and water temperature were made during the year. This station is operated by the USGS, Alabama District. For more information, please check http://al.water.usgs.gov.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/17	0000	3,220*	13.56*

No other peaks above base discharge

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GEORGIA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 332934 LONGITUDE 0851645 NAD27 DRAINAGE AREA 245 CONTRIBUTING DRAINAGE AREA 245* DATUM
Date Processed: 2005-05-06 13:05 By mwtreece
APPROVED
DD #2
Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	110	403	271	306	365	328	221	197	1410	121	55
2	94	109	321	243	284	346	279	351	183	850	108	150
3	88	105	269	243	380	336	242	505	155	650	95	174
4	81	105	256	234	390	334	227	383	153	413	78	116
5	82	117	271	280	332	317	209	286	144	280	68	88
6	87	146	262	476	825	356	190	241	123	212	61	75
7	116	176	238	405	1540	441	179	219	121	188	55	719
8	117	163	217	303	1450	375	179	206	177	193	47	1360
9	131	165	213	292	1020	319	183	185	138	204	41	897
10	137	139	312	315	617	299	179	183	114	200	52	455
11	126	126	638	284	498	279	194	178	105	161	58	285
12	124	124	534	261	885	273	262	162	96	138	131	207
13	121	119	377	244	1140	260	2140	163	236	123	224	161
14	114	116	416	232	928	250	2180	181	644	109	187	138
15	103	102	506	226	829	251	2070	181	361	98	132	120
16	105	105	405	213	962	255	1490	164	358	88	102	926
17	93	108	407	205	857	287	816	158	295	83	83	2660
18	99	126	427	256	641	264	529	198	251	129	71	2430
19	109	843	358	307	531	254	385	241	192	146	67	2090
20	104	1170	310	265	463	241	320	220	160	107	60	1460
21	99	946	270	234	425	235	282	175	126	89	54	862
22	90	631	250	213	381	225	259	148	118	75	57	551
23	88	389	240	202	355	217	241	166	185	67	72	356
24	84	311	325	194	341	206	219	139	276	65	190	263
25	77	364	369	266	346	203	209	124	225	68	92	214
26	89	304	316	875	411	207	245	112	204	204	124	189
27	128	365	281	1030	502	208	375	98	297	176	130	175
28	150	966	260	730	462	202	329	97	257	210	91	177
29	131	968	245	493	397	194	253	95	255	163	77	187
30	124	602	276	395	---	292	223	142	422	151	68	179
31	114	---	288	338	---	401	---	152	---	122	58	---
TOTAL	3311	10120	10260	10525	18498	8692	15216	6074	6568	7172	2854	17719
MEAN	107	337	331	340	638	280	507	196	219	231	92.1	591
MAX	150	1170	638	1030	1540	441	2180	505	644	1410	224	2660
MIN	77	102	213	194	284	194	179	95	96	65	41	55
CFSM	0.44	1.38	1.35	1.39	2.60	1.14	2.07	0.80	0.89	0.94	0.38	2.41
IN.	0.50	1.54	1.56	1.60	2.81	1.32	2.31	0.92	1.00	1.09	0.43	2.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	112	309	332	329	443	552	468	425	316	271	106	226
MAX	277	689	782	394	682	1088	538	1377	972	926	327	591
(WY)	2003	2003	2003	2003	2003	2001	2000	2003	2003	2003	2003	2004
MIN	21.5	47.7	87.3	202	267	277	280	90.5	42.9	22.8	27.9	28.9
(WY)	2001	2002	2002	2000	2002	2002	2002	2000	2000	2000	2002	2000

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	209151		117009			
ANNUAL MEAN	573		320		355	
HIGHEST ANNUAL MEAN					655	2003
LOWEST ANNUAL MEAN					181	2002
HIGHEST DAILY MEAN	5630	May 8	2660	Sep 17	5630	May 8 2003
LOWEST DAILY MEAN	77	Oct 25	41	Aug 9	12	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	90	Oct 20	55	Aug 5	15	Aug 9 2002
MAXIMUM PEAK FLOW					5780	May 8 2003
MAXIMUM PEAK STAGE					18.46	May 8 2003
ANNUAL RUNOFF (CFSM)	2.34		1.30		1.45	
ANNUAL RUNOFF (INCHES)	31.76		17.77		19.70	
10 PERCENT EXCEEDS	1130		642		824	
50 PERCENT EXCEEDS	393		218		204	
90 PERCENT EXCEEDS	114		90		42	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GEORGIA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 332934 LONGITUDE 0851645 NAD27 DRAINAGE AREA 245 CONTRIBUTING DRAINAGE AREA 245* DATUM
Date Processed: 2005-05-06 13:05 By mwtreece
APPROVED
DD #1
Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.87	2.90	4.60	3.94	4.13	4.42	4.24	3.65	3.51	8.60	2.99	2.40
2	2.78	2.89	4.20	3.78	4.01	4.33	3.98	4.34	3.42	6.50	2.88	3.13
3	2.72	2.87	3.93	3.78	4.50	4.29	3.78	5.05	3.24	5.68	2.79	3.36
4	2.67	2.86	3.86	3.73	4.54	4.28	3.69	4.51	3.22	4.64	2.64	2.94
5	2.68	2.96	3.94	3.98	4.26	4.18	3.59	4.02	3.16	3.99	2.54	2.73
6	2.72	3.17	3.89	4.92	6.29	4.38	3.47	3.77	3.00	3.60	2.47	2.61
7	2.95	3.37	3.76	4.60	9.05	4.77	3.39	3.64	2.98	3.45	2.39	5.60
8	2.96	3.29	3.63	4.11	8.75	4.47	3.39	3.56	3.38	3.48	2.30	8.45
9	3.06	3.30	3.61	4.05	7.17	4.20	3.42	3.43	3.12	3.55	2.22	6.68
10	3.11	3.12	4.12	4.18	5.54	4.09	3.39	3.42	2.93	3.53	2.35	4.83
11	3.03	3.02	5.63	4.01	5.02	3.98	3.49	3.39	2.86	3.28	2.43	4.01
12	3.01	3.01	5.18	3.88	6.62	3.94	3.89	3.29	2.79	3.11	3.04	3.57
13	2.98	2.97	4.48	3.79	7.67	3.88	10.82	3.29	3.58	3.00	3.67	3.28
14	2.93	2.94	4.66	3.72	6.81	3.82	11.01	3.41	5.64	2.89	3.44	3.12
15	2.85	2.84	5.06	3.68	6.41	3.83	10.72	3.40	4.40	2.81	3.07	2.98
16	2.87	2.86	4.61	3.61	6.94	3.85	8.89	3.30	4.39	2.73	2.84	5.97
17	2.77	2.88	4.62	3.56	6.52	4.03	6.36	3.26	4.07	2.68	2.68	12.25
18	2.82	3.01	4.71	3.85	5.65	3.90	5.16	3.50	3.82	3.03	2.57	11.68
19	2.89	6.45	4.39	4.13	5.17	3.84	4.52	3.77	3.47	3.18	2.53	10.75
20	2.85	7.77	4.15	3.91	4.86	3.77	4.20	3.65	3.27	2.88	2.46	8.77
21	2.82	6.88	3.93	3.73	4.70	3.74	4.00	3.37	3.03	2.73	2.39	6.54
22	2.75	5.60	3.82	3.61	4.50	3.68	3.87	3.19	2.96	2.61	2.41	5.26
23	2.73	4.53	3.76	3.54	4.38	3.63	3.77	3.31	3.42	2.53	2.58	4.38
24	2.69	4.15	4.22	3.49	4.31	3.57	3.65	3.13	3.96	2.51	3.42	3.89
25	2.63	4.42	4.44	3.89	4.33	3.54	3.59	3.01	3.68	2.51	2.76	3.61
26	2.74	4.12	4.18	6.59	4.63	3.57	3.79	2.92	3.55	3.53	3.00	3.46
27	3.04	4.38	3.99	7.19	5.03	3.58	4.47	2.81	4.08	3.37	3.05	3.37
28	3.20	6.96	3.87	6.01	4.86	3.54	4.24	2.80	3.86	3.59	2.75	3.38
29	3.06	6.97	3.80	5.00	4.57	3.49	3.84	2.78	3.85	3.29	2.63	3.44
30	3.01	5.47	3.97	4.56	---	4.04	3.67	3.14	4.62	3.20	2.54	3.39
31	2.93	---	4.03	4.29	---	4.59	---	3.22	---	3.00	2.43	---
MEAN	2.87	4.07	4.23	4.23	5.56	3.97	4.81	3.46	3.58	3.53	2.72	4.99
MAX	3.20	7.77	5.63	7.19	9.05	4.77	11.01	5.05	5.64	8.60	3.67	12.25
MIN	2.63	2.84	3.61	3.49	4.01	3.49	3.39	2.78	2.79	2.51	2.22	2.40

2004 Water Year

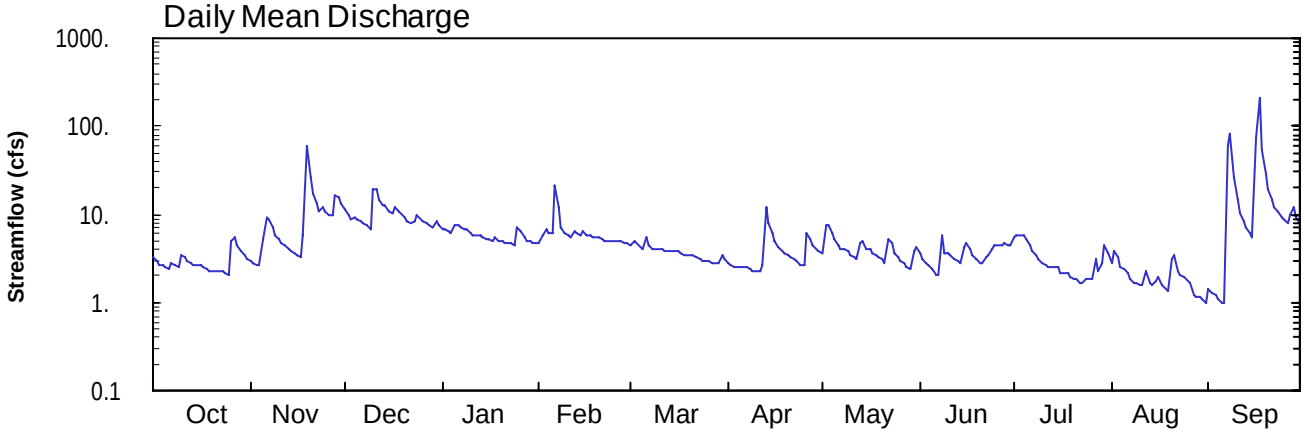
TENNESSEE RIVER BASIN

03544947 BRIER CREEK NEAR HIAWASSEE, GA

Latitude: 34°50'05" Longitude: 083°42'34" Hydrologic Unit Code: 06020002

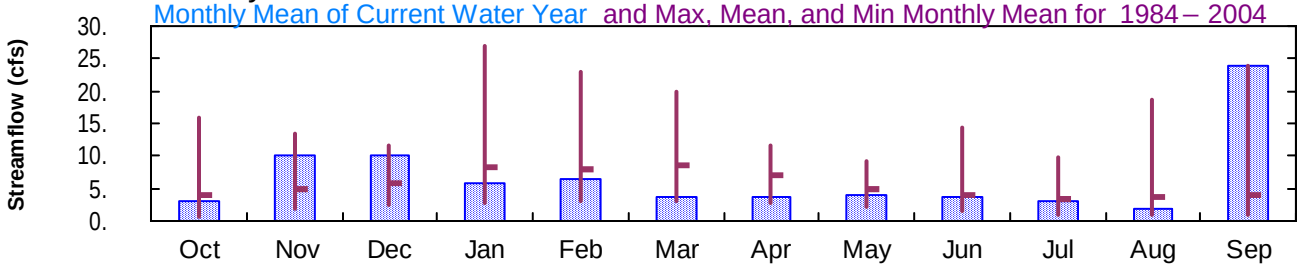
Towns County Datum: 2141.43 feet Drainage Area: 1.67 mi^2

Daily Mean Discharge

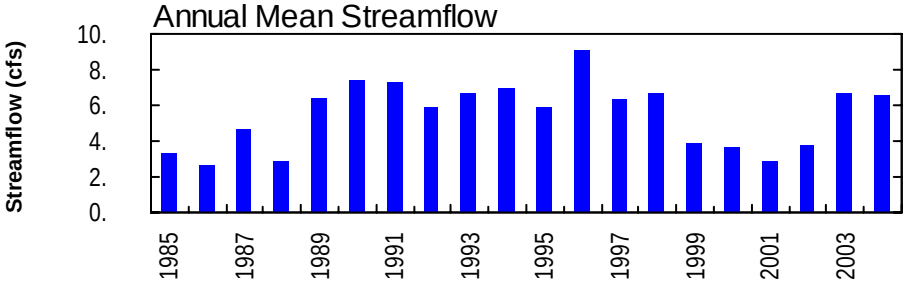


Monthly Statistics

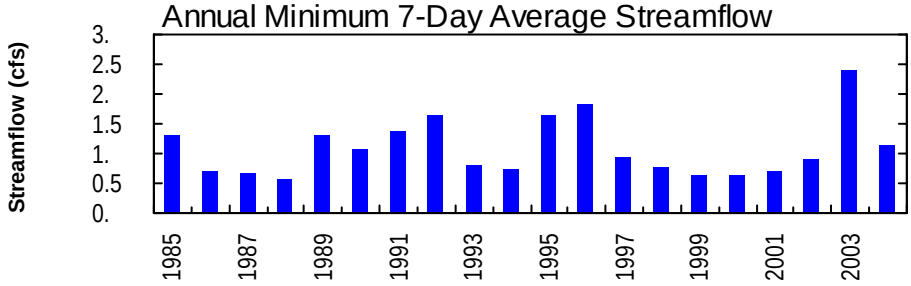
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1984 – 2004



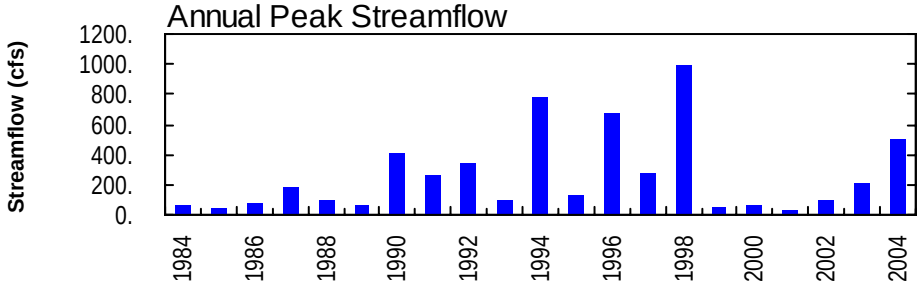
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



TENNESSEE RIVER BASIN
2004 Water Year

03544947 BRIER CREEK NEAR HIAWASSEE, GA

LOCATION.—Lat 34°50'05", long 83°42'34", referenced to North American Datum (NAD) of 1927, Towns County, Hydrologic Unit 06020002, on left bank, 0.3 miles upstream from Corbin Creek, and 8.2 miles southeast of Hiawassee.

DRAINAGE AREA.—1.67 square miles.

COOPERATION.—USGS Carbon Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1984 to current year.

REVISED RECORDS.—WDR GA-89-1: Drainage area. WDR GA-90-1: 1984- 89(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 2,141.43 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records are good, except those greater than 20.0 cfs, and periods of estimated discharge which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 35 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	0345	131	3.28
09/07	1915	144	3.36
09/16	2115	500*	4.76*

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 2,141.43 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 4.76 feet, September 16; minimum gage-height recorded, 1.76 feet, August 31, September 1, 5, 6.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 03544947 BRIER CREEK NEAR HIAWASSEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 281
LATITUDE 345005 LONGITUDE 0834234 NAD27 DRAINAGE AREA 1.67 CONTRIBUTING DRAINAGE AREA 1.67* DATUM 2141.43 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	2.9	11	6.9	e4.6	e4.4	2.8	3.6	3.6	5.5	2.8	1.4
2	3.0	2.7	9.9	6.8	e5.8	e5.0	2.7	7.5	3.1	5.8	3.8	1.3
3	2.7	2.7	8.9	6.5	e6.9	e4.6	2.6	7.5	2.8	5.9	3.3	1.2
4	2.6	2.7	9.1	6.2	e6.2	e4.3	2.5	6.2	2.6	5.9	2.6	1.1
5	2.5	5.1	8.9	7.7	e6.0	e4.1	2.5	5.3	2.3	5.2	2.4	0.97
6	2.4	9.0	8.3	7.6	e21	e5.4	2.5	4.5	2.1	4.4	2.1	0.99
7	2.7	8.8	7.7	e7.2	e12	e4.4	2.5	4.0	2.1	3.9	1.9	62
8	2.7	7.2	7.3	e6.6	e7.1	e4.0	2.4	4.0	5.9	3.4	1.7	82
9	2.5	5.8	6.9	e6.7	e6.1	e4.0	2.3	3.8	3.6	3.1	1.6	26
10	3.5	5.2	20	e6.2	e5.8	e4.0	2.2	3.5	3.6	2.8	1.6	15
11	3.2	4.8	19	e5.9	e5.6	e4.0	2.3	3.3	3.4	2.6	1.6	10
12	2.9	4.4	15	e5.9	e6.4	e3.9	2.7	3.1	3.0	2.6	2.2	8.1
13	2.8	4.1	13	e5.7	e6.0	e3.9	12	4.6	3.0	2.5	1.7	7.0
14	2.7	3.8	12	e5.4	e5.8	e3.9	8.1	4.9	2.8	2.5	1.6	6.0
15	2.7	3.6	11	e5.3	e6.4	e3.8	6.0	4.1	4.2	2.5	1.7	5.4
16	2.6	3.5	10	e5.1	e5.9	e3.8	4.9	4.0	4.7	2.2	2.0	76
17	2.5	3.3	12	e4.9	e5.7	e3.6	4.3	3.7	4.0	2.1	1.6	205
18	2.4	5.7	11	e5.6	e5.6	e3.4	3.9	3.4	3.4	2.1	1.5	55
19	2.3	62	10	e5.0	e5.5	e3.4	3.7	3.3	3.0	1.9	1.4	29
20	2.3	26	9.4	e4.9	e5.5	e3.4	3.5	3.0	2.8	1.9	3.2	19
21	2.3	18	8.5	e4.8	e5.2	e3.5	3.3	2.8	2.9	1.8	3.5	15
22	2.3	13	8.1	e4.7	e5.0	e3.3	3.1	5.2	3.3	1.7	2.3	12
23	2.3	11	8.3	e4.6	e5.0	e3.1	2.9	4.7	3.4	1.7	2.0	11
24	2.2	12	9.6	e4.5	e4.9	e3.0	2.7	3.7	4.1	1.8	1.9	9.5
25	2.1	11	8.8	e7.0	e4.9	e2.9	2.7	3.3	4.4	1.8	1.8	8.6
26	5.0	9.7	8.2	e6.5	e4.9	e2.9	6.1	3.0	4.5	1.8	1.7	7.8
27	5.4	9.6	7.7	e5.6	e5.0	e2.8	5.3	2.7	4.4	3.1	1.2	9.7
28	4.4	16	7.3	e5.0	e4.7	e2.8	4.4	2.5	4.8	2.3	1.1	12
29	3.8	16	7.0	e4.9	e4.6	e2.8	4.0	2.4	4.5	2.8	1.1	9.1
30	3.4	13	8.3	e4.8	---	e3.4	3.7	3.9	4.5	4.4	1.1	7.9
31	3.1	---	7.4	e4.7	---	e3.1	---	4.3	---	3.6	0.98	---
TOTAL	90.6	302.6	309.6	179.2	184.1	114.9	114.6	125.8	106.8	95.6	60.98	715.06
MEAN	2.92	10.1	9.99	5.78	6.35	3.71	3.82	4.06	3.56	3.08	1.97	23.8
MAX	5.4	62	20	7.7	21	5.4	12	7.5	5.9	5.9	3.8	205
MIN	2.1	2.7	6.9	4.5	4.6	2.8	2.2	2.4	2.1	1.7	0.98	0.97
CFSM	1.75	6.04	5.98	3.46	3.80	2.22	2.29	2.43	2.13	1.85	1.18	14.3
IN.	2.02	6.74	6.90	3.99	4.10	2.56	2.55	2.80	2.38	2.13	1.36	15.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	3.86	4.76	5.68	8.29	7.92	8.71	6.97	4.94	3.85	3.26	3.80	3.96
MAX	15.8	13.4	11.5	27.0	22.9	19.9	11.6	9.28	14.5	9.75	18.6	23.8
(WY)	1996	1993	1997	1996	1990	1990	1991	1991	1989	1989	1994	2004
MIN	0.64	1.78	2.44	2.64	2.99	2.92	2.73	2.07	1.39	0.87	0.82	0.87
(WY)	1988	2002	1985	1985	1986	1988	1986	2001	2000	1986	1986	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	2599.0		2399.84			
ANNUAL MEAN	7.12		6.56		5.48	
HIGHEST ANNUAL MEAN					9.17	1996
LOWEST ANNUAL MEAN					2.69	1986
HIGHEST DAILY MEAN	62	Nov 19	205	Sep 17	330	Jan 7 1998
LOWEST DAILY MEAN	2.1	Oct 25	0.97	Sep 5	0.56	Oct 15 1987
ANNUAL SEVEN-DAY MINIMUM	2.3	Oct 19	1.1	Aug 31	0.57	Oct 13 1987
MAXIMUM PEAK FLOW			b 500	Sep 16	a 990	Jan 7 1998
MAXIMUM PEAK STAGE			4.76	Sep 16	4.76	Sep 16 2004
ANNUAL RUNOFF (CFSM)	4.26		3.93		3.28	
ANNUAL RUNOFF (INCHES)	57.89		53.46		44.60	
10 PERCENT EXCEEDS	11		10		9.7	
50 PERCENT EXCEEDS	6.1		4.1		3.8	
90 PERCENT EXCEEDS	3.1		2.1		1.2	

e Estimated
a From rating curve extended above 40 ft³/s on basis of slope-area measurement of peak flow at gage height 3.57 ft.
b On basis of slope-area measurement of peak flow at gage height 4.76 ft.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 03544947 BRIER CREEK NEAR HIAWASSEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 281
LATITUDE 345005 LONGITUDE 0834234 NAD27 DRAINAGE AREA 1.67 CONTRIBUTING DRAINAGE AREA 1.67* DATUM 2141.43 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.86	1.84	2.14	2.03	---	---	1.89	1.92	1.92	1.99	1.88	1.80
2	1.84	1.83	2.11	2.03	---	---	1.88	2.04	1.90	2.00	1.92	1.79
3	1.83	1.83	2.09	2.02	---	---	1.87	2.05	1.89	2.00	1.91	1.78
4	1.83	1.83	2.09	2.01	---	---	1.87	2.01	1.88	2.00	1.87	1.78
5	1.82	1.92	2.08	2.05	---	---	1.87	1.98	1.86	1.98	1.87	1.77
6	1.81	2.04	2.07	2.05	---	---	1.87	1.96	1.85	1.95	1.85	1.77
7	1.83	2.03	2.05	---	---	---	1.87	1.94	1.85	1.93	1.84	2.59
8	1.83	1.99	2.04	---	---	---	1.86	1.93	1.99	1.91	1.83	2.93
9	1.82	1.95	2.03	---	---	---	1.86	1.93	1.92	1.90	1.82	2.38
10	1.86	1.93	2.28	---	---	---	1.86	1.92	1.92	1.89	1.82	2.21
11	1.85	1.91	2.29	---	---	---	1.86	1.91	1.91	1.88	1.82	2.11
12	1.84	1.90	2.21	---	---	---	1.88	1.90	1.90	1.87	1.86	2.05
13	1.84	1.89	2.17	---	---	---	2.16	1.95	1.89	1.87	1.83	2.02
14	1.83	1.88	2.16	---	---	---	2.06	1.97	1.88	1.87	1.82	1.99
15	1.83	1.87	2.13	---	---	---	2.00	1.94	1.94	1.87	1.83	1.97
16	1.83	1.87	2.11	---	---	---	1.97	1.94	1.96	1.86	1.84	2.50
17	1.82	1.86	2.16	---	---	---	1.94	1.92	1.93	1.85	1.82	3.64
18	1.82	1.92	2.13	---	---	---	1.93	1.91	1.91	1.85	1.82	2.71
19	1.81	2.75	2.12	---	---	---	1.92	1.91	1.90	1.84	1.81	2.42
20	1.81	2.38	2.10	---	---	---	1.91	1.90	1.89	1.84	1.86	2.28
21	1.81	2.25	2.07	---	---	---	1.91	1.88	1.89	1.83	1.90	2.20
22	1.81	2.18	2.06	---	---	---	1.90	1.95	1.91	1.83	1.85	2.15
23	1.81	2.13	2.07	---	---	---	1.89	1.96	1.91	1.83	1.84	2.12
24	1.80	2.15	2.10	---	---	---	1.88	1.92	1.94	1.83	1.83	2.09
25	1.80	2.13	2.08	---	---	---	1.88	1.91	1.95	1.84	1.82	2.07
26	1.91	2.10	2.07	---	---	---	2.00	1.89	1.95	1.83	1.82	2.05
27	1.93	2.10	2.05	---	---	---	1.98	1.88	1.95	1.89	1.78	2.09
28	1.90	2.23	2.04	---	---	---	1.95	1.87	1.96	1.86	1.78	2.14
29	1.88	2.23	2.03	---	---	---	1.94	1.87	1.95	1.88	1.78	2.08
30	1.86	2.18	2.07	---	---	---	1.92	1.92	1.95	1.95	1.78	2.05
31	1.85	---	2.04	---	---	---	---	1.95	---	1.92	1.77	---
MEAN	1.84	2.04	2.10	---	---	---	1.92	1.93	1.92	1.89	1.83	2.18
MAX	1.93	2.75	2.29	---	---	---	2.16	2.05	1.99	2.00	1.92	3.64
MIN	1.80	1.83	2.03	---	---	---	1.86	1.87	1.85	1.83	1.77	1.77

03550500 NOTTELY RIVER NEAR BLAIRSVILLE, GA

LOCATION.—Lat 34°50'28", long 83°56'10", referenced to North American Datum (NAD) of 1927, Union County, Hydrologic Unit 06020002, 0.2 miles upstream from Akins Creek, 2.7 miles southeast of Blairsville, 0.3 miles west of US 19.

DRAINAGE AREA.—74.8 square miles.

COOPERATION.—City of Blairsville.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—January 1942 to March 1982, August 10, 1993 to current water year.

GAGE.—Standard USGS reference mark. Datum of gage 1812.47 feet above National Geodetic Vertical Datum (NGVD) of 1929.

RATING.—Rating Number 19 is effective from October 1987 to current water year.

REMARKS.—Records are good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/08/03	2.36	92.7
12/09/03	2.68	135
05/07/04	2.78	166
07/14/04	2.45	94.7
08/25/04	2.43	82.4

TENNESSEE RIVER BASIN
2004 Water Year

03553000 NOTTELY LAKE NEAR IVYLOG, GA

LOCATION.—Lat 34°57'29", long 84°05'22", referenced to North American Datum (NAD) of 1927, Union County, Hydrologic Unit 06020002, at dam on Nottely River, 1.3 miles upstream from Dooley Creek, 1.7 miles southwest of Ivylog, 2.5 miles upstream from Georgia-North Carolina State line, and at mile 21.0.

REMARKS.—Water levels and lake contents are collected by the Tennessee Valley Authority. Please see the following Internet location for more information:

http://lakeinfo.tva.gov/

TENNESSEE RIVER BASIN
2004 Water Year

03558500 BLUE RIDGE LAKE NEAR BLUE RIDGE, GA

LOCATION.—Lat 34°52'52", long 84°16'49", referenced to North American Datum (NAD) of 1927, Fannin County, Hydrologic Unit 06020003, 400.0 feet upstream from Blue Ridge Dam on Toccoa River, 2.5 miles northeast of Blue Ridge, and at mile 53.0.

REMARKS.—Water levels and lake contents are collected by the Tennessee Valley Authority. Please see the following Internet location for more information:

http://lakeinfo.tva.gov/

2004 Water Year

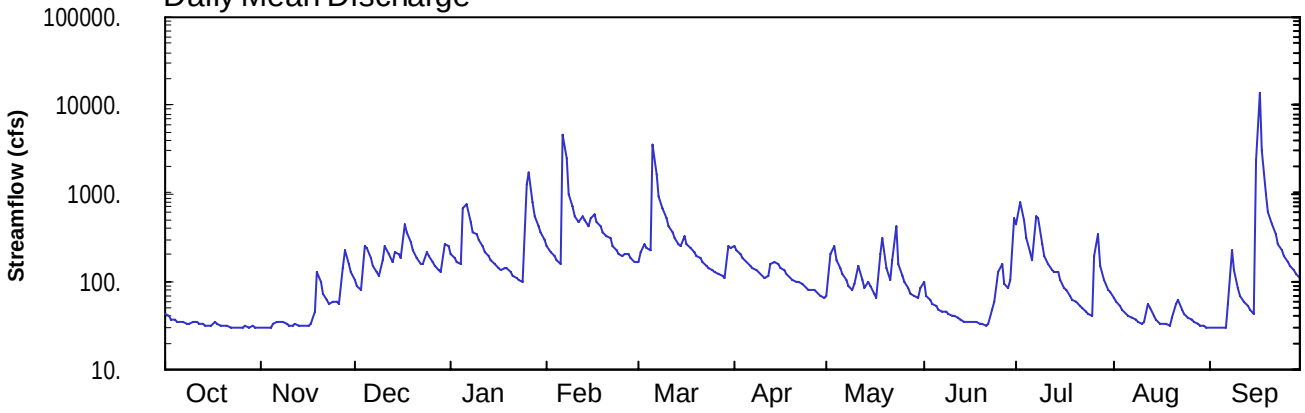
TENNESSEE RIVER BASIN

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA

Latitude: 34°53'51" Longitude: 085°27'47" Hydrologic Unit Code: 06020001

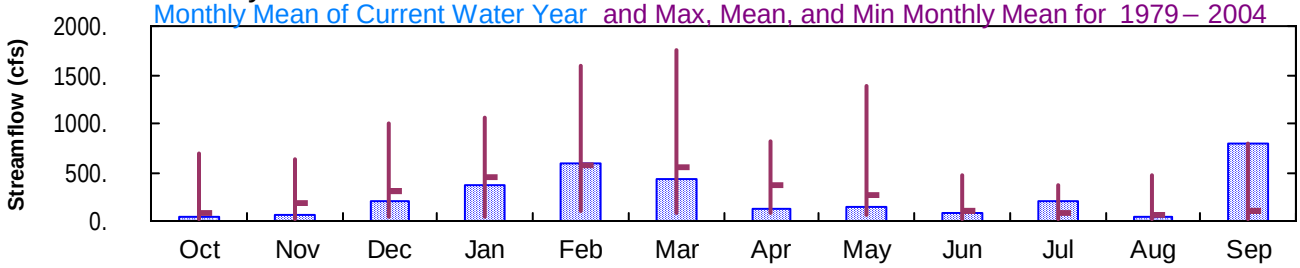
Dade County Datum: 663.80 feet Drainage Area: 149. mi²

Daily Mean Discharge

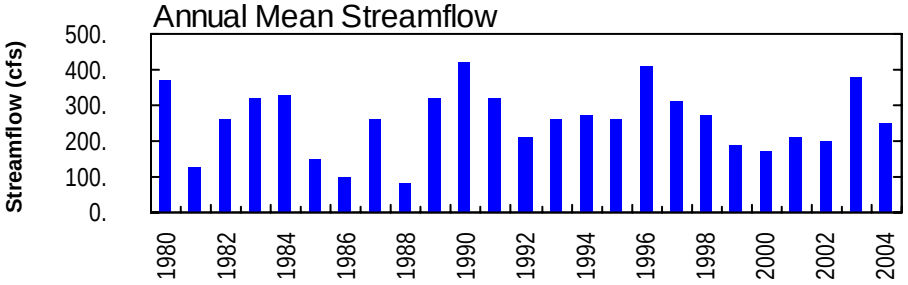


Monthly Statistics

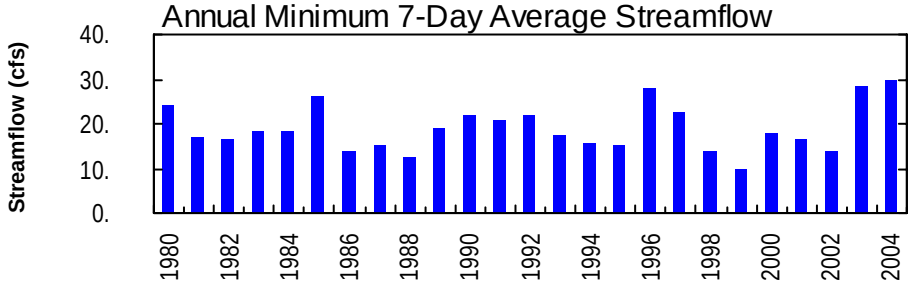
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1979 – 2004



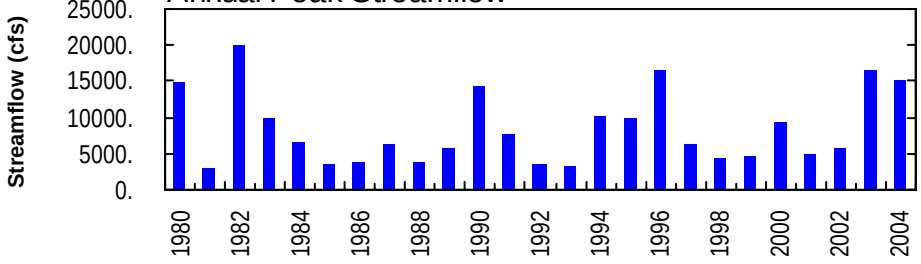
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA

LOCATION.—Lat 34°53'51", long 85°27'47", referenced to North American Datum (NAD) of 1983, Dade County, Hydrologic Unit 06020001, at bridge on County Road 2214, 0.4 miles downstream of Squirrel Town Creek, 2.2 miles southeast of New England.

DRAINAGE AREA.—149 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 663.80 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Tennessee Valley Authority). From August 30, 1979 to October 4, 1988, a water-stage recorder was located at a site 200.00 feet downstream at the same datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/06	1230	6,370	15.19
03/06	0900	5,170	14.45
09/17	0400	15,200*	20.35*

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 663.80 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Tennessee Valley Authority). From August 30, 1979 to October 4, 1988, a water-stage recorder was located at a site 200.00 feet downstream at the same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 20.35 feet, September 17; minimum gage-height recorded, 3.25 feet, September 6, 7.

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 23, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 083
LATITUDE 345351 LONGITUDE 0852747 NAD83 DRAINAGE AREA 149.00* CONTRIBUTING DRAINAGE AREA DATUM 663.80 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	30	104	209	253	164	256	68	99	447	66	30
2	40	30	90	185	219	218	226	202	70	792	59	30
3	38	30	82	168	197	270	204	256	61	497	54	30
4	37	30	256	154	171	245	187	171	56	307	47	30
5	36	33	233	668	154	232	167	142	52	219	44	30
6	35	35	183	741	4590	3590	152	121	48	177	41	29
7	34	35	150	466	2500	1640	143	103	46	555	38	57
8	34	34	129	363	977	902	138	90	46	534	36	223
9	34	33	113	339	706	681	128	80	44	260	34	134
10	35	31	174	296	560	532	116	92	42	193	34	86
11	35	31	247	246	459	435	112	151	41	161	34	68
12	34	34	201	218	544	367	118	102	39	132	57	60
13	33	32	170	194	506	311	156	86	37	129	51	52
14	32	31	213	175	428	270	167	98	36	128	41	47
15	31	31	205	160	524	248	158	88	35	103	37	44
16	32	31	182	142	590	324	146	74	35	86	34	2310
17	35	33	439	133	480	271	134	67	34	79	33	13500
18	32	45	365	144	416	234	123	202	34	70	32	3140
19	32	125	278	142	368	214	112	311	34	63	31	970
20	31	99	223	127	333	193	104	145	32	58	38	624
21	31	70	185	116	302	181	100	106	32	53	57	441
22	30	60	162	110	257	165	98	176	33	49	62	341
23	29	56	157	103	225	151	96	433	48	45	47	269
24	30	57	217	99	209	141	85	157	59	42	43	225
25	31	59	195	1240	193	133	79	117	131	41	38	193
26	30	57	168	1770	201	126	81	99	159	197	36	170
27	31	144	150	797	205	119	82	85	93	336	34	151
28	30	223	137	551	187	115	74	74	83	148	33	137
29	31	159	127	428	170	111	68	68	101	102	32	122
30	31	125	263	359	---	255	66	64	521	82	31	112
31	31	---	248	300	---	243	---	85	---	77	30	---
TOTAL	1028	1823	6046	11143	16924	13081	3876	4113	2181	6162	1284	23655
MEAN	33.2	60.8	195	359	584	422	129	133	72.7	199	41.4	788
MAX	43	223	439	1770	4590	3590	256	433	521	792	66	13500
MIN	29	30	82	99	154	111	66	64	32	41	30	29
CFSM	0.22	0.41	1.31	2.41	3.92	2.83	0.87	0.89	0.49	1.33	0.28	5.29
IN.	0.26	0.46	1.51	2.78	4.23	3.27	0.97	1.03	0.54	1.54	0.32	5.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	90.8	175	302	448	562	558	365	268	107	80.5	70.0	101
MAX	704	627	992	1061	1591	1755	821	1392	468	361	465	788
(WY)	1996	1980	1983	1996	1990	1980	2000	2003	1989	1989	1982	2004
MIN	15.8	20.3	36.1	44.5	107	79.2	77.3	54.4	19.6	14.4	11.9	10.7
(WY)	1988	1988	1988	1981	1988	1988	1986	1988	1988	1988	1999	1999

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	121737		91316			
ANNUAL MEAN	334		249		258	
HIGHEST ANNUAL MEAN					424	1990
LOWEST ANNUAL MEAN					81.0	1988
HIGHEST DAILY MEAN	11300	May 7	13500	Sep 17	13500	Sep 17 2004
LOWEST DAILY MEAN	28	Sep 18	29	Oct 23	9.9	Aug 22 1999
ANNUAL SEVEN-DAY MINIMUM	29	Sep 15	30	Aug 31	10	Aug 16 1999
MAXIMUM PEAK FLOW			15200	Sep 17	20000	Aug 17 1982
MAXIMUM PEAK STAGE			20.35	Sep 17	20.73	Aug 17 1982
ANNUAL RUNOFF (CFSM)	2.24		1.67		1.73	
ANNUAL RUNOFF (INCHES)	30.39		22.80		23.57	
10 PERCENT EXCEEDS	649		436		569	
50 PERCENT EXCEEDS	156		116		97	
90 PERCENT EXCEEDS	32		32		23	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 083
LATITUDE 345351 LONGITUDE 0852747 NAD83 DRAINAGE AREA 149.00* CONTRIBUTING DRAINAGE AREA DATUM 663.80 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.51	3.28	4.22	4.99	5.25	4.70	5.27	3.84	4.16	6.14	3.83	3.27
2	3.46	3.27	4.09	4.84	5.05	5.03	5.09	4.79	3.87	7.56	3.74	3.27
3	3.43	3.27	4.00	4.72	4.92	5.34	4.96	5.25	3.76	6.36	3.67	3.27
4	3.41	3.28	5.21	4.62	4.75	5.20	4.85	4.74	3.71	5.53	3.59	3.27
5	3.39	3.34	5.13	6.95	4.63	5.13	4.72	4.53	3.65	5.05	3.53	3.27
6	3.38	3.37	4.83	7.34	13.13	12.53	4.61	4.36	3.60	4.78	3.48	3.26
7	3.37	3.38	4.60	6.24	11.62	10.28	4.54	4.20	3.57	6.30	3.44	3.64
8	3.36	3.37	4.43	5.80	8.31	8.00	4.50	4.08	3.56	6.73	3.40	5.06
9	3.36	3.33	4.30	5.68	7.19	7.09	4.42	3.98	3.53	5.28	3.37	4.46
10	3.37	3.31	4.72	5.48	6.63	6.52	4.32	4.07	3.49	4.89	3.36	4.04
11	3.37	3.30	5.21	5.21	6.22	6.11	4.29	4.60	3.49	4.67	3.37	3.84
12	3.36	3.35	4.94	5.05	6.56	5.81	4.34	4.19	3.46	4.46	3.69	3.75
13	3.34	3.31	4.74	4.90	6.41	5.55	4.64	4.04	3.42	4.43	3.64	3.65
14	3.31	3.31	5.01	4.77	6.08	5.34	4.72	4.16	3.39	4.42	3.49	3.58
15	3.31	3.30	4.96	4.67	6.46	5.22	4.65	4.06	3.38	4.20	3.41	3.53
16	3.32	3.31	4.82	4.53	6.74	5.61	4.56	3.91	3.38	4.04	3.36	6.52
17	3.37	3.34	6.13	4.46	6.31	5.34	4.47	3.83	3.37	3.97	3.35	19.50
18	3.33	3.50	5.80	4.55	6.03	5.14	4.38	4.67	3.36	3.87	3.33	12.67
19	3.31	4.39	5.38	4.53	5.82	5.02	4.28	5.52	3.35	3.78	3.31	8.29
20	3.30	4.16	5.08	4.41	5.66	4.89	4.22	4.55	3.33	3.72	3.40	6.87
21	3.29	3.87	4.84	4.33	5.51	4.81	4.17	4.24	3.32	3.66	3.68	6.14
22	3.28	3.76	4.68	4.27	5.27	4.70	4.16	4.45	3.33	3.62	3.78	5.69
23	3.26	3.70	4.64	4.21	5.09	4.60	4.14	6.03	3.56	3.55	3.59	5.33
24	3.28	3.72	5.04	4.17	4.99	4.53	4.03	4.64	3.73	3.51	3.51	5.09
25	3.29	3.74	4.90	8.01	4.89	4.46	3.97	4.33	4.37	3.49	3.44	4.89
26	3.28	3.71	4.72	10.51	4.94	4.41	3.99	4.17	4.65	4.82	3.41	4.74
27	3.29	4.41	4.60	7.56	4.97	4.35	3.99	4.03	4.11	5.62	3.37	4.60
28	3.29	5.07	4.49	6.59	4.85	4.32	3.91	3.91	4.01	4.57	3.33	4.49
29	3.30	4.66	4.42	6.08	4.74	4.28	3.84	3.84	4.16	4.20	3.31	4.37
30	3.29	4.40	5.29	5.78	---	5.23	3.82	3.80	5.91	4.00	3.29	4.29
31	3.29	---	5.22	5.49	---	5.19	---	4.03	---	3.94	3.28	---
MEAN	3.34	3.65	4.85	5.51	6.17	5.64	4.39	4.35	3.73	4.68	3.48	5.29
MAX	3.51	5.07	6.13	10.51	13.13	12.53	5.27	6.03	5.91	7.56	3.83	19.50
MIN	3.26	3.27	4.00	4.17	4.63	4.28	3.82	3.80	3.32	3.49	3.28	3.26

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 083
LATITUDE 345351 LONGITUDE 0852747 NAD83 DRAINAGE AREA 149.00* CONTRIBUTING DRAINAGE AREA DATUM 663.80 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.51	3.28	4.22	4.99	5.25	4.70	5.27	3.84	4.16	6.14	3.83	3.27
2	3.46	3.27	4.09	4.84	5.05	5.03	5.09	4.79	3.87	7.56	3.74	3.27
3	3.43	3.27	4.00	4.72	4.92	5.34	4.96	5.25	3.76	6.36	3.67	3.27
4	3.41	3.28	5.21	4.62	4.75	5.20	4.85	4.74	3.71	5.53	3.59	3.27
5	3.39	3.34	5.13	6.95	4.63	5.13	4.72	4.53	3.65	5.05	3.53	3.27
6	3.38	3.37	4.83	7.34	13.13	12.53	4.61	4.36	3.60	4.78	3.48	3.26
7	3.37	3.38	4.60	6.24	11.62	10.28	4.54	4.20	3.57	6.30	3.44	3.64
8	3.36	3.37	4.43	5.80	8.31	8.00	4.50	4.08	3.56	6.73	3.40	5.06
9	3.36	3.33	4.30	5.68	7.19	7.09	4.42	3.98	3.53	5.28	3.37	4.46
10	3.37	3.31	4.72	5.48	6.63	6.52	4.32	4.07	3.49	4.89	3.36	4.04
11	3.37	3.30	5.21	5.21	6.22	6.11	4.29	4.60	3.49	4.67	3.37	3.84
12	3.36	3.35	4.94	5.05	6.56	5.81	4.34	4.19	3.46	4.46	3.69	3.75
13	3.34	3.31	4.74	4.90	6.41	5.55	4.64	4.04	3.42	4.43	3.64	3.65
14	3.31	3.31	5.01	4.77	6.08	5.34	4.72	4.16	3.39	4.42	3.49	3.58
15	3.31	3.30	4.96	4.67	6.46	5.22	4.65	4.06	3.38	4.20	3.41	3.53
16	3.32	3.31	4.82	4.53	6.74	5.61	4.56	3.91	3.38	4.04	3.36	6.52
17	3.37	3.34	6.13	4.46	6.31	5.34	4.47	3.83	3.37	3.97	3.35	19.50
18	3.33	3.50	5.80	4.55	6.03	5.14	4.38	4.67	3.36	3.87	3.33	12.67
19	3.31	4.39	5.38	4.53	5.82	5.02	4.28	5.52	3.35	3.78	3.31	8.29
20	3.30	4.16	5.08	4.41	5.66	4.89	4.22	4.55	3.33	3.72	3.40	6.87
21	3.29	3.87	4.84	4.33	5.51	4.81	4.17	4.24	3.32	3.66	3.68	6.14
22	3.28	3.76	4.68	4.27	5.27	4.70	4.16	4.45	3.33	3.62	3.78	5.69
23	3.26	3.70	4.64	4.21	5.09	4.60	4.14	6.03	3.56	3.55	3.59	5.33
24	3.28	3.72	5.04	4.17	4.99	4.53	4.03	4.64	3.73	3.51	3.51	5.09
25	3.29	3.74	4.90	8.01	4.89	4.46	3.97	4.33	4.37	3.49	3.44	4.89
26	3.28	3.71	4.72	10.51	4.94	4.41	3.99	4.17	4.65	4.82	3.41	4.74
27	3.29	4.41	4.60	7.56	4.97	4.35	3.99	4.03	4.11	5.62	3.37	4.60
28	3.29	5.07	4.49	6.59	4.85	4.32	3.91	3.91	4.01	4.57	3.33	4.49
29	3.30	4.66	4.42	6.08	4.74	4.28	3.84	3.84	4.16	4.20	3.31	4.37
30	3.29	4.40	5.29	5.78	---	5.23	3.82	3.80	5.91	4.00	3.29	4.29
31	3.29	---	5.22	5.49	---	5.19	---	4.03	---	3.94	3.28	---
MEAN	3.34	3.65	4.85	5.51	6.17	5.64	4.39	4.35	3.73	4.68	3.48	5.29
MAX	3.51	5.07	6.13	10.51	13.13	12.53	5.27	6.03	5.91	7.56	3.83	19.50
MIN	3.26	3.27	4.00	4.17	4.63	4.28	3.82	3.80	3.32	3.49	3.28	3.26

Miscellaneous Ground-Water Data (Water Year)

SURFICIAL AQUIFER
2004 Water Year

320130084003802 Site Name. —13Q053 Site type. —Well

LOCATION.—Latitude 32°01'31", longitude 84°00'38", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —August 1993 to August 1994, and May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Baro-metric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 13	1800	1028	80020	24.4	15.44	12	36	20.0	4040	760	7.0	6.4	122

Date	Temper ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potas-sium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 13	21.5	22.9	.403	.28	1.90	50	.03	3.64	<.2	8.08	2	82	E.02

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Mangan-ese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Di-ethyl-aniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA µg/L (62850)	2Chloro -2',6'-diethyl acet-anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl -6-methyl-aniline water, fltrd, µg/L (61620)
May 13	2.50	<.008	.007	2.39	E.2	8	E.7	<.09	<.006	<.02	.007	E.006	<.004

Date	3,4-Di-chloro-aniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Aceto-chlor ESA, water, fltrd 0.7u GF µg/L (61029)	Aceto-chlor OA, water, fltrd 0.7u GF µg/L (61030)	Aceto-chlor SAA, water, fltrd, µg/L (62847)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor ESA SA, water, fltrd, µg/L (62849)	Ala-chlor ESA, water, fltrd 0.7u GF µg/L (50009)	Ala-chlor OA, water, fltrd 0.7u GF µg/L (61031)	Ala-chlor SAA, water, fltrd, µg/L (62848)	Ala-chlor, water, fltrd, µg/L (46342)	Atra-zine, water, fltrd, µg/L (39632)	Azin-, phos-methyl oxon, water, fltrd, µg/L (61635)
May 13	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.54	.75	.02	1.30	.035	<.02

Date	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Car-baryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-Per-methrin water fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulf-inyl fipro-nil, water, fltrd, µg/L (62170)	Diaz-inon oxon, water, fltrd, µg/L (61638)	Diazi-non, water, fltrd, µg/L (39572)	Dicro-tophos, water fltrd, µg/L (38454)
May 13	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08

SURFICIAL AQUIFER
2004 Water Year

320130084003802 Site Name. —13Q053 Site type. —Well—continued.

Date	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)	Dimethenamid OA, water, fltrd, µg/L (62482)	Dimethenamid water, fltrd, µg/L (61588)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinyl-fipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L) (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)
May 13	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.029	<.013	<.024	<.016

Date	Flufenacet ESA, water, fltrd, µg/L (61952)	Flufenacet OA, water, fltrd, µg/L (62483)	Flufenacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methialthion water, fltrd, µg/L (61598)	Methyl paraoxon, water, fltrd, µg/L (61664)
May 13	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03

Date	Methyl parathion, water, fltrd, 0.7u GF µg/L (82667)	Metolachlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metolachlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metolachlor, water fltrd,, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Myclobutanil water, fltrd, µg/L (61599)	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)
May 13	<.015	.06	<.02	.084	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005

Date	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)	Propachlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propachlor OA, water, fltrd, 0.7u GF µg/L (62767)	Simazine, water fltrd,, µg/L (04035)	Tebuthiuron water, fltrd, 0.7u GF µg/L (82670)	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Trifluralin, water fltrd, 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)
May 13	<.004	<.05	<.02	.008	<.02	<.07	<.02	<.01	E.008	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320130084003803 Site Name. —13Q054 Site type. —Well

LOCATION.—Latitude 32°01'31", longitude 84°00'38", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —August 1993 to August 1994, and May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 13	1700	1028	80020	28.7	15.87	.12	71	25.0	4080	760	7.4	5.5	81

Date	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potassium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 13	19.2	13.5	.300	.20	1.96	27	.03	3.22	<.2	9.76	.3	61	E.02

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethylaniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methylphenyl) amino]2 oxoESA µg/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methylaniline water, fltrd, µg/L (61620)
May 13	2.22	<.008	E.003	2.16	E.2	E3	E.4	<.09	<.006	<.02	E.004	E.004	<.004

Date	3,4-Dichloroaniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF µg/L (61029)	Acetochlor OA, water, fltrd 0.7u GF µg/L (61030)	Acetochlor SAA, water, fltrd, µg/L (62847)	Acetochlor, water, fltrd, µg/L (49260)	Alachlor ESA SA, water, fltrd, µg/L (62849)	Alachlor ESA, water, fltrd 0.7u GF µg/L (50009)	Alachlor OA, water, fltrd 0.7u GF µg/L (61031)	Alachlor SAA, water, fltrd, µg/L (62848)	Alachlor, water, fltrd, µg/L (46342)	Atrazine, water, fltrd, µg/L (39632)	Azin-, phosmethyl oxon, water, fltrd, µg/L (61635)
May 13	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.29	.32	.02	.852	.019	<.02

Date	Azinphosmethyl, water, fltrd 0.7u GF µg/L (82686)	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulfinyl fipronil, water, fltrd, µg/L (62170)	Diazinon oxon, water, fltrd, µg/L (61638)	Diazinon, water, fltrd, µg/L (39572)	Dicrotophos, water fltrd, µg/L (38454)
May 13	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08

SURFICIAL AQUIFER
2004 Water Year

320130084003803 Site Name. —13Q054 Site type. —Well—continued.

Date	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)	Dimethenamid OA, water, fltrd, µg/L (62482)	Dimethenamid water, fltrd, µg/L (61588)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinyl-fipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L) (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)
May 13	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.029	<.013	<.024	<.016

Date	Flufenacet ESA, water, fltrd, µg/L (61952)	Flufenacet OA, water, fltrd, µg/L (62483)	Flufenacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methialthion water, fltrd, µg/L (61598)	Methyl paraoxon, water, fltrd, µg/L (61664)
May 13	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03

Date	Methyl parathion, water, fltrd, 0.7u GF µg/L (82667)	Metolachlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metolachlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metolachlor, water fltrd,, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Myclobutanil water, fltrd, µg/L (61599)	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)
May 13	<.015	.03	<.02	.041	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005

Date	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)	Propachlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propachlor OA, water, fltrd, 0.7u GF µg/L (62767)	Simazine, water fltrd,, µg/L (04035)	Tebuthiuron water, fltrd, 0.7u GF µg/L (82670)	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Trifluralin, water, fltrd, 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)
May 13	<.004	<.05	<.02	.007	<.02	<.07	<.02	<.01	<.009	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320134084003602 Site Name. —13Q056 Site type. —Well

LOCATION.—Latitude 32°01'35", longitude 84°00'36", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —September 1993 to August 1994, June 1997, November 2000, and May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 13	1100	1028	80020	35.5	29.00	.17	24	31.0	4040	762	7.3	5.9	106

Date	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potassium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 13	21.3	17.9	.346	.22	2.34	34	.03	4.36	<.2	11.0	.9	79	<.04

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethyl-aniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA µg/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, µg/L (61620)
May 13	2.52	<.008	.021	2.56	E.3	10	.8	<.09	<.006	<.02	E.002	E.002	<.004

Date	3,4-Dichloroaniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF µg/L (61029)	Acetochlor OA, water, fltrd 0.7u GF µg/L (61030)	Acetochlor SAA, water, fltrd, µg/L (62847)	Acetochlor, water, fltrd, µg/L (49260)	Alachlor ESA SA, water, fltrd, µg/L (62849)	Alachlor ESA, water, fltrd 0.7u GF µg/L (50009)	Alachlor OA, water, fltrd 0.7u GF µg/L (61031)	Alachlor SAA, water, fltrd, µg/L (62848)	Alachlor, water, fltrd, µg/L (46342)	Atrazine, water, fltrd, µg/L (39632)	Azin-, phosmethyl oxon, water, fltrd, µg/L (61635)
May 13	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.02	.07	<.02	.437	E.002	<.12

Date	Azinphosmethyl, water, fltrd 0.7u GF µg/L (82686)	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulfinyl fipronil, water, fltrd, µg/L (62170)	Diazinon oxon, water, fltrd, µg/L (61638)	Diazinon, water, fltrd, µg/L (39572)	Dicrotophos, water fltrd, µg/L (38454)
May 13	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08

SURFICIAL AQUIFER
2004 Water Year

320134084003602 Site Name. —13Q056 Site type. —Well—continued.

Date	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)	Dimethenamid OA, water, fltrd, µg/L (62482)	Dimethenamid water, fltrd, µg/L (61588)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos, sulfoxide, water, fltrd, µg/L (61646)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinylfipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L) (62167)	Fipronil sulfone water, fltrd, µg/L (62168)
May 13	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024

Date	Fipronil, water, fltrd, µg/L (62166)	Flufenacet ESA, water, fltrd, µg/L (61952)	Flufenacet OA, water, fltrd, µg/L (62483)	Flufenacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methialthion water, fltrd, µg/L (61598)
May 13	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006

Date	Methyl paraoxon, water, fltrd, µg/L (61664)	Methyl parathion, water, fltrd, 0.7u GF µg/L (82667)	Metolachlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metolachlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metolachlor, water fltrd,, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Myclobutanil water, fltrd, µg/L (61599)	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)
May 13	<.03	<.015	.02	<.02	.019	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01

Date	Prometryn, water, fltrd, µg/L (04036)	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)	Propachlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propachlor OA, water, fltrd, 0.7u GF µg/L (62767)	Simazine, water fltrd,, µg/L (04035)	Tebuthiuron water, fltrd, 0.7u GF µg/L (82670)	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Trifluralin, water, fltrd, 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)
May 13	<.005	<.004	<.05	<.02	E.002	<.02	<.07	<.02	<.01	.020	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320134084003603 Site Name. —13Q057 Site type. —Well

LOCATION.—Latitude 32°01'35", longitude 84°00'36", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —September 1993 to August 1994, and May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 13	1400	1028	80020	32.7	27.74	.06	59	E29.0	4040	761	8.0	5.8	82

Date	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potassium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 13	21.8	13.6	.125	.27	1.78	30	.03	2.51	<.2	9.88	.9	58	E.02

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethylaniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methylphenyl) amino]2 oxoESA µg/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methylaniline water, fltrd, µg/L (61620)
May 13	1.48	<.008	.015	1.53	E.2	17	1.6	<.09	<.006	<.02	<.005	<.006	<.004

Date	3,4-Dichloroaniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF µg/L (61029)	Acetochlor OA, water, fltrd 0.7u GF µg/L (61030)	Acetochlor SAA, water, fltrd, µg/L (62847)	Acetochlor, water, fltrd, µg/L (49260)	Alachlor ESA SA, water, fltrd, µg/L (62849)	Alachlor ESA, water, fltrd 0.7u GF µg/L (50009)	Alachlor OA, water, fltrd 0.7u GF µg/L (61031)	Alachlor SAA, water, fltrd, µg/L (62848)	Alachlor, water, fltrd, µg/L (46342)	Atrazine, water, fltrd, µg/L (39632)	Azin-, phosmethyl oxon, water, fltrd, µg/L (61635)
May 13	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.02	.04	<.02	.064	<.007	<.12

Date	Azinphosmethyl, water, fltrd 0.7u GF µg/L (82686)	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulfinyl fipronil, water, fltrd, µg/L (62170)	Diazinon oxon, water, fltrd, µg/L (61638)	Diazinon, water, fltrd, µg/L (39572)	Dicrotophos, water fltrd, µg/L (38454)
May 13	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08

320134084003603 Site Name. —13Q057 Site type. —Well—continued.

LOCATION.—Latitude 32°01'35", longitude 84°00'36", referenced to North American Datum (NAD) of 1983, Sumter County.

Date	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)	Dimethenamid OA, water, fltrd, µg/L (62482)	Dimethenamid water, fltrd, µg/L (61588)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos, sulfoxide, water, fltrd, µg/L (61646)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinylfipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L) (62167)	Fipronil sulfone water, fltrd, µg/L (62168)
May 13	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024

Date	Fipronil, water, fltrd, µg/L (62166)	Flufenacet ESA, water, fltrd, µg/L (61952)	Flufenacet OA, water, fltrd, µg/L (62483)	Flufenacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methialthion water, fltrd, µg/L (61598)
May 13	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006

Date	Methyl paraoxon, water, fltrd, µg/L (61664)	Methyl parathion, water, fltrd, 0.7u GF µg/L (82667)	Metolachlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metolachlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metolachlor, water fltrd,, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Myclobutanil water, fltrd, µg/L (61599)	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)
May 13	<.03	<.015	<.02	<.02	E.005	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01

Date	Prometryn, water, fltrd, µg/L (04036)	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)	Propachlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propachlor OA, water, fltrd, 0.7u GF µg/L (62767)	Simazine, water fltrd,, µg/L (04035)	Tebuthiuron water, fltrd, 0.7u GF µg/L (82670)	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Trifluralin, water fltrd, 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)
May 13	<.005	<.004	<.05	<.02	<.005	<.02	<.07	<.02	<.01	E.005	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320119084004101 Site Name. —13Q077 Site type. —Drain

LOCATION.—Latitude 32°01'20", longitude 84°00'41", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —February 1994 to September 1995, and May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potassium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)
May 14	0900	1028	80020	4080	766	7.8	4.1	114	21.0	10.5	1.69	.61	2.47

Date	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)
May 14	.04	9.16	<.2	11.6	1.2	99	<.04	8.08	<.008	<.006	8.21	.4	<6

Date	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethylaniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methylphenyl) amino]2 oxoESA µg/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methylaniline water, fltrd, µg/L (61620)	3,4-Dichloroaniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF µg/L (61029)	Acetochlor OA, water, fltrd 0.7u GF µg/L (61030)	Acetochlor SAA, water, fltrd, µg/L (62847)	Acetochlor, water, fltrd, µg/L (49260)
May 14	40.4	<.09	<.006	<.02	<.005	<.006	<.004	<.004	<.006	<.02	<.02	<.02	<.006

Date	Alachlor ESA SA, water, fltrd, µg/L (62849)	Alachlor ESA, water, fltrd 0.7u GF µg/L (50009)	Alachlor OA, water, fltrd 0.7u GF µg/L (61031)	Alachlor SAA, water, fltrd, µg/L (62848)	Alachlor, water, fltrd, µg/L (46342)	Atrazine, water, fltrd, µg/L (39632)	Azinphosmethyl oxon, water, fltrd, µg/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF µg/L (82686)	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)
May 14	<.02	.17	.02	<.02	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005	<.006

Date	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulfinyl fipronil, water, fltrd, µg/L (62170)	Diazinon oxon, water, fltrd, µg/L (61638)	Diazinon, water, fltrd, µg/L (39572)	Dicrotophos, water fltrd, µg/L (38454)	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)	Dimethenamid OA, water, fltrd, µg/L (62482)	Dimethenamid water, fltrd, µg/L (61588)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)
May 14	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.02	<.02	<.02	<.006	<.03

320119084004101 Site Name. —13Q077 Site type. —Drain—continued.

Date	Ethion water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinylfipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L) (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)	Flufenacet ESA, water, fltrd, µg/L (61952)	Flufenacet OA, water, fltrd, µg/L (62483)	Flufenacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)
May 14	<.004	<.008	<.03	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013

Date	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methiathion water, fltrd, µg/L (61598)	Methyl paraoxon, water, fltrd, µg/L (61664)	Methyl parathion, water, fltrd, 0.7u GF µg/L (82667)	Metolachlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metolachlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metolachlor, water fltrd,, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Myclobutanil water, fltrd, µg/L (61599)
May 14	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.015	.09	<.02	E.003	<.006	<.008

Date	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)	Propachlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propachlor OA, water, fltrd, 0.7u GF µg/L (62767)	Simazine, water fltrd,, µg/L (04035)	Tebuthiuron water, fltrd, 0.7u GF µg/L (82670)	Terbufos oxon sulfone water, fltrd, µg/L (61674)
May 14	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.05	<.02	.007	<.02	<.07

Date	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Trifluralin, water, fltrd, 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)
May 14	<.02	<.01	E.008	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320134084003702 Site Name. —13Q079 Site type. —Well

LOCATION.—Latitude 32°01'35", longitude 84°00'37", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April to August 1995, June 1997, and May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 13	1200	1028	80020	6.5	.86	.06	64	E3.00	4080	762	5.1	5.0	84

Date	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potassium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 13	19.4	11.4	.517	E.12	2.90	10	.03	7.40	<.2	12.8	.3	84	E.02

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethylaniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methylphenyl) amino]2 oxoESA µg/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methylaniline water, fltrd, µg/L (61620)
May 13	4.83	<.008	.008	4.71	E.2	<6	E.4	<.09	<.006	<.02	.005	<.006	<.004

Date	3,4-Dichloroaniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF µg/L (61029)	Acetochlor OA, water, fltrd 0.7u GF µg/L (61030)	Acetochlor SAA, water, fltrd, µg/L (62847)	Acetochlor, water, fltrd, µg/L (49260)	Alachlor ESA SA, water, fltrd, µg/L (62849)	Alachlor ESA, water, fltrd 0.7u GF µg/L (50009)	Alachlor OA, water, fltrd 0.7u GF µg/L (61031)	Alachlor SAA, water, fltrd, µg/L (62848)	Alachlor, water, fltrd, µg/L (46342)	Atrazine, water, fltrd, µg/L (39632)	Azin-, phosmethyl oxon, water, fltrd, µg/L (61635)
May 13	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.02	.02	<.02	.008	.007	<.02

Date	Azinphosmethyl, water, fltrd 0.7u GF µg/L (82686)	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulfinyl fipronil, water, fltrd, µg/L (62170)	Diazinon oxon, water, fltrd, µg/L (61638)	Diazinon, water, fltrd, µg/L (39572)	Dicrotophos, water fltrd, µg/L (38454)
May 13	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08

320134084003702 Site Name. —13Q079 Site type. —Well—continued.

Date	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)	Dimethenamid OA, water, fltrd, µg/L (62482)	Dimethenamid water, fltrd, µg/L (61588)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinyl-fipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L) (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)
May 13	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.029	<.013	<.024	<.016

Date	Flufenacet ESA, water, fltrd, µg/L (61952)	Flufenacet OA, water, fltrd, µg/L (62483)	Flufenacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methialthion water, fltrd, µg/L (61598)	Methyl paraoxon, water, fltrd, µg/L (61664)
May 13	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03

Date	Methyl parathion, water, fltrd, 0.7u GF µg/L (82667)	Metolachlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metolachlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metolachlor, water fltrd,, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Myclobutanil water, fltrd, µg/L (61599)	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)
May 13	<.015	<.02	<.02	E.002	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005

Date	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)	Propachlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propachlor OA, water, fltrd, 0.7u GF µg/L (62767)	Simazine, water fltrd,, µg/L (04035)	Tebuthiuron water, fltrd, 0.7u GF µg/L (82670)	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Trifluralin, water fltrd, 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)
May 13	<.004	<.05	<.02	<.005	<.02	<.07	<.02	<.01	<.009	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320134084003703 Site Name. —13Q080 Site type. —Well

LOCATION.—Latitude 32°01'35", longitude 84°00'37", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April to August 1995, June 1997, and May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 13	0900	1028	80020	10.5	2.52	.05	44	E6.00	4080	762	6.8	6.0	115

Date	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potassium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 13	19.4	20.4	.294	.28	2.14	40	.02	4.21	<.2	9.97	.8	76	E.02

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethylaniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA µg/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methylaniline water, fltrd, µg/L (61620)
May 13	2.77	<.008	.019	2.77	E.2	<6	E.6	<.09	<.006	<.02	<.005	E.004	<.004

Date	3,4-Dichloroaniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF µg/L (61029)	Acetochlor OA, water, fltrd 0.7u GF µg/L (61030)	Acetochlor SAA, water, fltrd, µg/L (62847)	Acetochlor, water, fltrd, µg/L (49260)	Alachlor ESA SA, water, fltrd, µg/L (62849)	Alachlor ESA, water, fltrd 0.7u GF µg/L (50009)	Alachlor OA, water, fltrd 0.7u GF µg/L (61031)	Alachlor SAA, water, fltrd, µg/L (62848)	Alachlor, water, fltrd, µg/L (46342)	Atrazine, water, fltrd, µg/L (39632)	Azin-, phosmethyl oxon, water, fltrd, µg/L (61635)
May 13	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.23	.84	.03	.598	E.006	<.02

Date	Azinphosmethyl, water, fltrd 0.7u GF µg/L (82686)	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulfinyl fipronil, water, fltrd, µg/L (62170)	Diazinon oxon, water, fltrd, µg/L (61638)	Diazinon, water, fltrd, µg/L (39572)	Dicrotophos, water fltrd, µg/L (38454)
May 13	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08

SURFICIAL AQUIFER
2004 Water Year

320134084003703 Site Name. —13Q080 Site type. —Well—continued.

Date	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)	Dimethenamid OA, water, fltrd, µg/L (62482)	Dimethenamid water, fltrd, µg/L (61588)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinyl-fipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L) (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)
May 13	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.029	<.013	<.024	<.016

Date	Flufenacet ESA, water, fltrd, µg/L (61952)	Flufenacet OA, water, fltrd, µg/L (62483)	Flufenacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methialthion water, fltrd, µg/L (61598)	Methyl paraoxon, water, fltrd, µg/L (61664)
May 13	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03

Date	Methyl parathion, water, fltrd, 0.7u GF µg/L (82667)	Metolachlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metolachlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metolachlor, water fltrd,, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Myclobutanil water, fltrd, µg/L (61599)	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)
May 13	<.015	.18	.16	.138	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005

Date	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)	Propachlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propachlor OA, water, fltrd, 0.7u GF µg/L (62767)	Simazine, water fltrd,, µg/L (04035)	Tebuthiuron water, fltrd, 0.7u GF µg/L (82670)	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Trifluralin, water fltrd, 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)
May 13	<.004	<.05	<.02	<.007	<.02	<.07	<.02	<.01	.052	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320135084003902 Site Name. —13Q081 Site type. —Well

LOCATION.—Latitude 32°01'36", longitude 84°00'39", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —April to August 1995, June 1997, and May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 12	1400	1028	80020	10.25	3.22	.06	57	E6.00	4080	766	6.7	5.9	120

Date	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potassium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 12	18.3	20.6	.289	.20	2.28	40	.03	4.49	<.2	11.0	.6	82	E.02

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethylaniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methylphenyl) amino]2 oxoESA µg/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methylaniline water, fltrd, µg/L (61620)
May 12	2.76	<.008	E.004	2.78	E.2	<6	E.5	<.09	<.006	<.02	E.004	<.006	<.004

Date	3,4-Dichloroaniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF µg/L (61029)	Acetochlor OA, water, fltrd 0.7u GF µg/L (61030)	Acetochlor SAA, water, fltrd, µg/L (62847)	Acetochlor, water, fltrd, µg/L (49260)	Alachlor ESA SA, water, fltrd, µg/L (62849)	Alachlor ESA, water, fltrd 0.7u GF µg/L (50009)	Alachlor OA, water, fltrd 0.7u GF µg/L (61031)	Alachlor SAA, water, fltrd, µg/L (62848)	Alachlor, water, fltrd, µg/L (46342)	Atrazine, water, fltrd, µg/L (39632)	Azin-, phosmethyl oxon, water, fltrd, µg/L (61635)
May 12	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.16	.61	.02	.647	E.004	<.02

Date	Azinphosmethyl, water, fltrd 0.7u GF µg/L (82686)	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulfinyl fipronil, water, fltrd, µg/L (62170)	Diazinon oxon, water, fltrd, µg/L (61638)	Diazinon, water, fltrd, µg/L (39572)	Dicrotophos, water fltrd, µg/L (38454)
May 12	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08

SURFICIAL AQUIFER
2004 Water Year

320135084003902 Site Name. —13Q081 Site type. —Well—continued.

Date	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)	Dimethenamid OA, water, fltrd, µg/L (62482)	Dimethenamid water, fltrd, µg/L (61588)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinyl-fipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L) (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)
May 12	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.029	<.013	<.024	<.016

Date	Flufenacet ESA, water, fltrd, µg/L (61952)	Flufenacet OA, water, fltrd, µg/L (62483)	Flufenacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methialthion water, fltrd, µg/L (61598)	Methyl paraoxon, water, fltrd, µg/L (61664)
May 12	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03

Date	Methyl parathion, water, fltrd, 0.7u GF µg/L (82667)	Metolachlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metolachlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metolachlor, water fltrd,, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Myclobutanil water, fltrd, µg/L (61599)	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)
May 12	<.015	.13	.12	.063	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005

Date	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)	Propachlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propachlor OA, water, fltrd, 0.7u GF µg/L (62767)	Simazine, water fltrd,, µg/L (04035)	Tebuthiuron water, fltrd, 0.7u GF µg/L (82670)	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Trifluralin, fltrd, 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)
May 12	<.004	<.05	<.02	.007	<.02	<.07	<.02	<.01	.028	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320130084004002 Site Name. —13Q092 Site type. —Well

LOCATION.—Latitude 32°01'30", longitude 84°00'41", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instant-taneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 13	2000	1028	80020	9.5	3.95	.10	30	E5.00	4080	764	3.7	4.7	143

Date	Temper ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potas-sium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
May 10	17.6	13.3	3.51	.47	2.84	.04	9.12	<.2	11.5	E.2	124	<.04	11.1

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Mangan-ese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Di-ethyl-aniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA µg/L (62850)	2Chloro -2',6'-diethyl acet-anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl -6-methyl-aniline water, fltrd, µg/L (61620)	3,4-Di-chloro-aniline water fltrd, µg/L (61625)
May 10	.022	E.004	11.5	E.3	E4	4.6	<.09	<.006	<.02	<.005	<.006	<.004	<.004

Date	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Aceto-chlor ESA, water, fltrd 0.7u GF µg/L (61029)	Aceto-chlor OA, water, fltrd 0.7u GF µg/L (61030)	Aceto- chlor SAA, water, fltrd, µg/L (62847)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor ESA SA, water, fltrd, µg/L (62849)	Ala- chlor ESA, water, fltrd 0.7u GF µg/L (50009)	Ala-chlor OA, water, fltrd 0.7u GF µg/L (61031)	Ala-chlor SAA, water, fltrd, µg/L (62848)	Ala-chlor, water, fltrd, µg/L (46342)	Atra-zine, water, fltrd, µg/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)
May 10	<.006	<.02	<.02	<.02	<.006	<.02	.84	.14	<.02	<.005	<.007	<.050	<.010

Date	Car- baryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-Per-methrin water fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulf-inyl fipro-nil, water, fltrd, µg/L (62170)	Diaz-inon oxon, water, fltrd, µg/L (61638)	Diazi-non, water, fltrd, µg/L (39572)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-enamid ESA, water, fltrd, µg/L (61951)	Dimeth-enamid OA, water, fltrd, µg/L (62482)
May 10	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.009	<.02	<.02

320130084004002 Site Name. —13Q092 Site type. —Well—continued.

Date	Dimeth-enamid water, fltrd, µg/L (61588)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenami-phos sulfone water, fltrd, µg/L (61645)	Fenami-phos, water, fltrd, µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide water, fltrd, µg/L) (62167)	Fipro-nil sulfone water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Flufen-acet ESA, water, fltrd, µg/L (61952)	Flufe-nacet OA, water, fltrd, µg/L (62483)	Flufe-nacet, water, fltrd, µg/L (62481)
May 10	<.02	<.006	<.03	<.004	<.008	<.03	<.029	<.013	<.024	<.016	<.02	<.02	<.02

Date	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexa-zinone, water, fltrd, µg/L (04025)	Ipro-dione, water, fltrd, µg/L (61593)	Isofen-phos, water, fltrd, µg/L (61594)	Mala-oxon, water, fltrd, µg/L (61652)	Mala-thion, water, fltrd, µg/L (39532)	Meta-laxyl, water, fltrd, µg/L (61596)	Methi-althion water, fltrd, µg/L (61598)	Methyl para-oxon, water, fltrd, µg/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF µg/L (82667)	Metola-chlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metola-chlor OA, water, fltrd, 0.7u GF µg/L (61044)
May 10	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.014	<.006	<.03	<.015	.09	<.02

Date	Metola-chlor, water fltrd,, µg/L (39415)	Metri-buzin, water, fltrd, µg/L (82630)	Myclo-butanil water, fltrd, µg/L (61599)	Pendi-meth-alin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet water, fltrd, µg/L (61601)	Prome-ton, water, fltrd, µg/L (04037)	Prome-tryn, water, fltrd, µg/L (04036)	Propy-zamide, water, fltrd, 0.7u GF µg/L (82676)	Propa-chlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propa-chlor OA, water, fltrd, 0.7u GF µg/L (62767)	Sima-zine, water fltrd,, µg/L (04035)
May 10	<.013	<.006	<.008	<.022	<.10	<.011	<.008	<.01	<.005	<.004	<.05	<.02	<.005

Date	Tebu-thiuron water, fltrd, 0.7u GF µg/L (82670)	Ter-bufos oxon sulfone water, fltrd, µg/L (61674)	Terbu-fos, water, fltrd, 0.7u GF µg/L (82675)	Ter-buthyl-azine, water, fltrd, µg/L (04022)	Tri-flur-alin, fltrd, 0.7u GF µg/L (82661)	Di-chlor-vos, water, fltrd, µg/L (38775)
May 10	<.02	<.07	<.02	<.01	<.009	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320130084004102 Site Name. —13Q093 Site type. —Well

LOCATION.—Latitude 32°01'31", longitude 84°00'41", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instant-taneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 11	0900	1028	80020	18.5	5.73	.09	42	E16.0	4080	766	7.8	5.6	79

Date	Temper ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potas-sium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 11	17.1	12.5	.285	.24	2.04	24	.04	3.02	<.2	7.54	.3	58	<.04

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Mangan-ese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Di-ethyl-aniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA µg/L (62850)	2Chloro -2',6'-diethyl acet-anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl -6-methyl-aniline water, fltrd, µg/L (61620)
May 11	2.24	.019	<.006	2.34	<.3	<6	6.2	<.09	<.006	<.02	<.005	<.006	<.004

Date	3,4-Di-chloro-aniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Aceto-chlor ESA, water, fltrd 0.7u GF µg/L (61029)	Aceto-chlor OA, water, fltrd 0.7u GF µg/L (61030)	Aceto-chlor SAA, water, fltrd, µg/L (62847)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor ESA SA, water, fltrd, µg/L (62849)	Ala-chlor ESA, water, fltrd 0.7u GF µg/L (50009)	Ala-chlor OA, water, fltrd 0.7u GF µg/L (61031)	Ala-chlor SAA, water, fltrd, µg/L (62848)	Ala-chlor, water, fltrd, µg/L (46342)	Atra-zine, water, fltrd, µg/L (39632)	Azin-, phos-methyl, water, fltrd, 0.7u GF µg/L (82686)
May 11	<.004	<.006	<.02	<.02	<.02	<.006	<.02	<.02	<.02	<.02	.031	<.007	<.050

Date	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Car-baryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-Per-methrin water fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulf-inyl fipro-nil, water, fltrd, µg/L (62170)	Diaz-inon oxon, water, fltrd, µg/L (61638)	Diazi-non, water, fltrd, µg/L (39572)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-enamid ESA, water, fltrd, µg/L (61951)
May 11	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.009	<.02

SURFICIAL AQUIFER
2004 Water Year

320130084004102 Site Name. —13Q093 Site type. —Well—continued.

Date	Dimeth-enamid OA, water, fltrd, µg/L (62482)	Dimeth-enamid water, fltrd, µg/L (61588)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenami-phos sulfone water, fltrd, µg/L (61645)	Fenami-phos, water, fltrd, µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide water, fltrd, µg/L) (62167)	Fipro-nil sulfone water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Flufen-acet ESA, water, fltrd, µg/L (61952)	Flufe-nacet OA, water, fltrd, µg/L (62483)
May 11	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.029	<.013	<.024	<.016	<.02	<.02

Date	Flufe-nacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexa-zinone, water, fltrd, µg/L (04025)	Ipro-dione, water, fltrd, µg/L (61593)	Isofen-phos, water, fltrd, µg/L (61594)	Mala-oxon, water, fltrd, µg/L (61652)	Mala-thion, water, fltrd, µg/L (39532)	Meta-laxyl, water, fltrd, µg/L (61596)	Methi-althion water, fltrd, µg/L (61598)	Methyl para-oxon, water, fltrd, µg/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF µg/L (82667)	Metola-chlor ESA, water, fltrd, 0.7u GF µg/L (61043)
May 11	<.02	<.002	<.003	<.013	<1	<.003	<.009	<.027	<.005	<.006	<.03	<.015	<.02

Date	Metola-chlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metola-chlor, water fltrd,, µg/L (39415)	Metri-buzin, water, fltrd, µg/L (82630)	Myclo-butanil water, fltrd, µg/L (61599)	Pendi-meth-alin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet water, fltrd, µg/L (61601)	Prome-ton, water, fltrd, µg/L (04037)	Prome-tryn, water, fltrd, µg/L (04036)	Propy-zamide, water, fltrd, 0.7u GF µg/L (82676)	Propa-chlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propa-chlor OA, water, fltrd, 0.7u GF µg/L (62767)
May 11	<.02	E.003	<.006	<.008	<.022	<.10	<.011	<.008	<.01	<.005	<.004	<.05	<.02

Date	Sima-zine, water fltrd,, µg/L (04035)	Tebu-thiuron water, fltrd, 0.7u GF µg/L (82670)	Ter-bufos oxon sulfone water, fltrd, µg/L (61674)	Terbu-fos, water, fltrd, 0.7u GF µg/L (82675)	Ter-buthyl-azine, water, fltrd, µg/L (04022)	Tri-flur-alin, fltrd, 0.7u GF µg/L (82661)	Di-chlor-vos, water, fltrd, µg/L (38775)
May 11	<.005	<.02	<.07	<.02	<.01	<.009	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320130084004103 Site Name. —13Q095 Site type. —Well

LOCATION.—Latitude 32°01'30", longitude 84°00'42", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 11	1000	1028	80020	8	2.40	.07	36	E10.0	4080	766	3.7	5.6	221

Date	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potassium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 11	16.9	32.4	1.63	.31	3.71	31	.03	8.34	<.2	11.5	E.1	188	<.04

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethylaniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methylphenyl) amino]2 oxoESA µg/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methylaniline water, fltrd, µg/L (61620)
May 11	15.0	<.008	<.006	15.1	.4	<6	2.8	<.09	<.006	<.02	<.005	<.006	<.004

Date	3,4-Dichloroaniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF µg/L (61029)	Acetochlor OA, water, fltrd 0.7u GF µg/L (61030)	Acetochlor SAA, water, fltrd, µg/L (62847)	Acetochlor, water, fltrd, µg/L (49260)	Alachlor ESA SA, water, fltrd, µg/L (62849)	Alachlor ESA, water, fltrd 0.7u GF µg/L (50009)	Alachlor OA, water, fltrd 0.7u GF µg/L (61031)	Alachlor SAA, water, fltrd, µg/L (62848)	Alachlor, water, fltrd, µg/L (46342)	Atrazine, water, fltrd, µg/L (39632)	Azin-, phosmethyl oxon, water, fltrd, µg/L (61635)
May 11	<.004	<.006	<.02	<.02	<.02	<.006	<.02	1.81	.65	<.02	E.003	<.007	<.02

Date	Azinphosmethyl, water, fltrd 0.7u GF µg/L (82686)	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulfinyl fipronil, water, fltrd, µg/L (62170)	Diazinon oxon, water, fltrd, µg/L (61638)	Diazinon, water, fltrd, µg/L (39572)	Dicrotophos, water fltrd, µg/L (38454)
May 11	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08

SURFICIAL AQUIFER
2004 Water Year

320130084004103 Site Name. —13Q095 Site type. —Well—continued.

Date	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)	Dimethenamid OA, water, fltrd, µg/L (62482)	Dimethenamid water, fltrd, µg/L (61588)	Dimethoate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos sulfoxide, water, fltrd, µg/L (61646)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinylfipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L) (62167)	Fipronil sulfone water, fltrd, µg/L (62168)
May 11	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024

Date	Fipronil, water, fltrd, µg/L (62166)	Flufenacet ESA, water, fltrd, µg/L (61952)	Flufenacet OA, water, fltrd, µg/L (62483)	Flufe- nacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metalaxyl, water, fltrd, µg/L (61596)	Methialthion water, fltrd, µg/L (61598)
May 11	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006

Date	Methyl para- oxon, water, fltrd, µg/L (61664)	Methyl parathion, water, fltrd, 0.7u GF µg/L (82667)	Metolachlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metolachlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metolachlor, water fltrd,, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Myclobutanil water, fltrd, µg/L (61599)	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)
May 11	<.03	<.015	.20	.02	<.013	<.006	<.008	<.022	<.10	<.011	<.008	<.01	<.005

Date	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)	Propachlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propachlor OA, water, fltrd, 0.7u GF µg/L (62767)	Simazine, water fltrd,, µg/L (04035)	Tebuthiuron water, fltrd, 0.7u GF µg/L (82670)	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Triflur-alin, fltrd, 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)
May 11	<.004	<.05	<.02	<.005	<.02	<.07	<.02	<.01	<.009	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320130084004104 Site Name. —13Q096 Site type. —Well

LOCATION.—Latitude 32°01'30", longitude 84°00'42", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)
May 11	1300	1028	80020	20.5	2.42	.03	43	E18.0	4080	767	6.0	7.7	187

Date	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915	Magnesium, water, fltrd, mg/L (00925)	Potassium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)
May 11	20.8	36.5	.350	.24	1.57	83	.04	2.37	<.2	9.27	.3	111	<.04

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho phosphate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethyl-aniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA µg/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, µg/L (61620)
May 11	1.81	.019	.018	1.90	E.2	<6	1.9	<.09	<.006	<.02	<.005	<.006	<.004

Date	3,4-Dichloroaniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF µg/L (61029)	Acetochlor OA, water, fltrd 0.7u GF µg/L (61030)	Acetochlor SAA, water, fltrd, µg/L (62847)	Acetochlor, water, fltrd, µg/L (49260)	Alachlor ESA SA, water, fltrd, µg/L (62849)	Alachlor ESA, water, fltrd 0.7u GF µg/L (50009)	Alachlor OA, water, fltrd 0.7u GF µg/L (61031)	Alachlor SAA, water, fltrd, µg/L (62848)	Alachlor, water, fltrd, µg/L (46342)	Atrazine, water, fltrd, µg/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF µg/L (82686)
May 11	<.004	<.006	<.02	<.02	<.02	<.006	<.02	<.02	<.02	<.02	.007	<.007	<.050

Date	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulfinyl fipronil, water, fltrd, µg/L (62170)	Diazinon oxon, water, fltrd, µg/L (61638)	Diazinon, water, fltrd, µg/L (39572)	Dieldrin, water, fltrd, µg/L (39381)	Dimethenamid ESA, water, fltrd, µg/L (61951)
May 11	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.009	<.02

SURFICIAL AQUIFER
2004 Water Year

320130084004104 Site Name. —13Q096 Site type. —Well—continued.

Date	Dimeth-enamid OA, water, fltrd, µg/L (62482)	Dimeth-enamid water, fltrd, µg/L (61588)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenami-phos sulfone water, fltrd, µg/L (61645)	Fenami-phos, water, fltrd, µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide water, fltrd, µg/L) (62167)	Fipro-nil sulfone water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Flufen-acet ESA, water, fltrd, µg/L (61952)	Flufe-nacet OA, water, fltrd, µg/L (62483)
May 11	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.029	<.013	<.024	<.016	<.02	<.02

Date	Flufe-nacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexa-zinone, water, fltrd, µg/L (04025)	Ipro-dione, water, fltrd, µg/L (61593)	Isofen-phos, water, fltrd, µg/L (61594)	Mala-oxon, water, fltrd, µg/L (61652)	Mala-thion, water, fltrd, µg/L (39532)	Meta-laxyl, water, fltrd, µg/L (61596)	Methi-althion water, fltrd, µg/L (61598)	Methyl para-oxon, water, fltrd, µg/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF µg/L (82667)	Metola-chlor ESA, water, fltrd, 0.7u GF µg/L (61043)
May 11	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.015	<.02

Date	Metola-chlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metola-chlor, water fltrd,, µg/L (39415)	Metri-buzin, water, fltrd, µg/L (82630)	Myclo-butanil water, fltrd, µg/L (61599)	Pendi-meth-alin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet water, fltrd, µg/L (61601)	Prome-ton, water, fltrd, µg/L (04037)	Prome-tryn, water, fltrd, µg/L (04036)	Propy-zamide, water, fltrd, 0.7u GF µg/L (82676)	Propa-chlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propa-chlor OA, water, fltrd, 0.7u GF µg/L (62767)
May 11	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.008	<.01	<.005	<.004	<.05	<.02

Date	Sima-zine, water fltrd,, µg/L (04035)	Tebu-thiuron water, fltrd, 0.7u GF µg/L (82670)	Ter-bufos oxon sulfone water, fltrd, µg/L (61674)	Terbu-fos, water, fltrd, 0.7u GF µg/L (82675)	Ter-buthyl-azine, water, fltrd, µg/L (04022)	Tri-flur-alin, fltrd, 0.7u GF µg/L (82661)	Di-chlor-vos, water, fltrd, µg/L (38775)
May 11	<.005	<.02	<.07	<.02	<.01	<.009	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320132084004301 Site Name. —13Q099 Site type. —Well

LOCATION.—Latitude 32°01'33", longitude 84°00'43", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Flow rate, instanta neous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915
May 11	1800	1028	80020	4.7	.05	28	4080	767	5.4	6.7	213	19.6	39.7

Date	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
May 11	.478	.20	2.20	82	.03	4.76	<.2	11.5	1.5	148	<.04	3.64	<.008

Date	Ortho phosph ate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Mangan-ese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Di-ethyl-aniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA µg/L (62850)	2Chloro -2',6'-diethyl acet-anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl -6-methyl-aniline water, fltrd, µg/L (61620)	3,4-Di-chloro-aniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)
May 11	.006	3.64	E.2	<6	<.8	<.09	<.006	<.02	<.005	<.006	<.004	<.004	<.006

Date	Aceto-chlor ESA, water, fltrd 0.7u GF µg/L (61029)	Aceto-chlor OA, water, fltrd 0.7u GF µg/L (61030)	Aceto-chlor SAA, water, fltrd, µg/L (62847)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor ESA SA, water, fltrd, µg/L (62849)	Ala-chlor ESA, water, fltrd 0.7u GF µg/L (50009)	Ala-chlor OA, water, fltrd 0.7u GF µg/L (61031)	Ala-chlor SAA, water, fltrd, µg/L (62848)	Ala-chlor, water, fltrd, µg/L (46342)	Atra-zine, water, fltrd, µg/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Car-baryl, water, fltrd 0.7u GF µg/L (82680)
May 11	<.02	<.02	<.02	<.006	<.02	.77	<.02	<.02	.045	E.004	<.050	<.010	<.041

Date	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-Per-methrin water fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulf-inyl fipro-nil, water, fltrd, µg/L (62170)	Diaz-inon oxon, water, fltrd, µg/L (61638)	Diazi-non, water, fltrd, µg/L (39572)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-enamid ESA, water, fltrd, µg/L (61951)	Dimeth-enamid OA, water, fltrd, µg/L (62482)	Dimeth-enamid water, fltrd, µg/L (61588)
May 11	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.009	<.02	<.02	<.02

SURFICIAL AQUIFER
2004 Water Year

320132084004301 Site Name. —13Q099 Site type. —Well—continued.

Date	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenami-phos sulfone water, fltrd, µg/L (61645)	Fenami-phos, water, fltrd, µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide water, fltrd, µg/L) (62167)	Fipro-nil sulfone water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Flufen-acet ESA, water, fltrd, µg/L (61952)	Flufe-nacet OA, water, fltrd, µg/L (62483)	Flufe-nacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)
May 11	<.006	<.03	<.004	<.008	<.03	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.002

Date	Fonofos water, fltrd, µg/L (04095)	Hexa-zinone, water, fltrd, µg/L (04025)	Ipro-dione, water, fltrd, µg/L (61593)	Isofen-phos, water, fltrd, µg/L (61594)	Mala-oxon, water, fltrd, µg/L (61652)	Mala-thion, water, fltrd, µg/L (39532)	Meta-laxyl, water, fltrd, µg/L (61596)	Methi-althion water, fltrd, µg/L (61598)	Methyl para-oxon, water, fltrd, µg/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF µg/L (82667)	Metola-chlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metola-chlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metola-chlor, water fltrd,, µg/L (39415)
May 11	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.015	.13	<.02	E.003

Date	Metri-buzin, water, fltrd, µg/L (82630)	Mycloo-butanil water, fltrd, µg/L (61599)	Pendi-meth-alin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet water, fltrd, µg/L (61601)	Prome-ton, water, fltrd, µg/L (04037)	Prome-tryn, water, fltrd, µg/L (04036)	Propy-zamide, water, fltrd, 0.7u GF µg/L (82676)	Propa-chlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propa-chlor OA, water, fltrd, 0.7u GF µg/L (62767)	Sima-zine, water fltrd,, µg/L (04035)	Tebu-thiuron water, fltrd, 0.7u GF µg/L (82670)
May 11	<.006	<.008	<.022	<.10	<.011	<.008	<.01	<.005	<.004	<.05	<.02	<.005	<.02

Date	Ter-bufos oxon sulfone water, fltrd, µg/L (61674)	Terbu-fos, water, fltrd, 0.7u GF µg/L (82675)	Ter-buthyl-azine, water, fltrd, µg/L (04022)	Tri-flur-alin, fltrd, 0.7u GF µg/L (82661)	Di-chlor-vos, water, fltrd, µg/L (38775)
May 11	<.07	<.02	<.01	<.009	<.01

Remark codes used in this table:
< -- Less than E -- Estimated value

SURFICIAL AQUIFER
2004 Water Year

320132084004302 Site Name. —13Q100 Site type. —Well

LOCATION.—Latitude 32°01'33", longitude 84°00'43", referenced to North American Datum (NAD) of 1983, Sumter County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD. —May 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample code (00028)	Depth of well, feet below LSD (72008)	Flow rate, instant-taneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling method code (82398)	Baro-metric pressure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf µS/cm 25 degC	Temper-ature, water deg C (00010)	Calcium water, fltrd, mg/L (00915)
May 12	1000	1028	80020	10	04	42	4080	766	2.7	7.3	270	20.5	53.5

Date	Magnesium, water, fltrd, mg/L (00925)	Potas-sium, water fltrd, mg/L (00935)	Sodium, water fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water fltrd, mg/L (00940)	Fluoride, water fltrd, mg/L (00950)	Silica, water fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
May 12	.630	.30	1.80	126	.02	2.40	<.2	14.1	7.1	170	<.04	.85	<.008

Date	Ortho phos-phate water, fltrd, mg/L as P (00671)	Total nitrogen, wat flt by analysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, µg/L (01046)	Manganese water, fltrd, µg/L (01056)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Di-ethyl-aniline water fltrd, 0.7u GF µg/L (82660)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA µg/L (62850)	2Chloro -2',6'-diethyl acet-anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl -6-methyl-aniline water, fltrd, µg/L (61620)	3,4-Di-chloro-aniline water fltrd, µg/L (61625)	4Chloro 2methyl phenol, water, fltrd, µg/L (61633)
May 12	.009	.89	E.2	<6	E.5	<.09	<.006	<.02	<.005	<.006	<.004	<.004	<.006

Date	Aceto-chlor ESA, water, fltrd 0.7u GF µg/L (61029)	Aceto-chlor OA, water, fltrd 0.7u GF µg/L (61030)	Aceto-chlor SAA, water, fltrd, µg/L (62847)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor ESA SA, water, fltrd, µg/L (62849)	Ala-chlor ESA, water, fltrd 0.7u GF µg/L (50009)	Ala-chlor OA, water, fltrd 0.7u GF µg/L (61031)	Ala-chlor SAA, water, fltrd, µg/L (62848)	Ala-chlor, water, fltrd, µg/L (46342)	Atra-zine, water, fltrd, µg/L (39632)	Azin-, phos-methyl oxon, water, fltrd, µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)
May 12	<.02	<.02	<.02	<.006	<.02	.02	<.02	<.02	.008	<.007	<.02	<.050	<.010

Date	Car-baryl, water, fltrd 0.7u GF µg/L (82680)	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-Per-methrin water fltrd 0.7u GF µg/L (82687)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water fltrd 0.7u GF µg/L) (82682)	Desulf-inyl fipro-nil, water, fltrd, µg/L (62170)	Diaz-inon oxon, water, fltrd, µg/L (61638)	Diazi-non, water, fltrd, µg/L (39572)	Dicro-tophos, water fltrd, µg/L (38454)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-enamid ESA, water, fltrd, µg/L (61951)
May 12	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.02

SURFICIAL AQUIFER
2004 Water Year

320132084004302 Site Name. —13Q100 Site type. —Well—continued.

Date	Dimeth-enamid OA, water, f ltrd, µg/L (62482)	Dimeth-enamid water, fltrd, µg/L (61588)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion water, fltrd, µg/L (82346)	Fenami-phos sulfone water, fltrd, µg/L (61645)	Fenami-phos, oxide, water, fltrd, µg/L (61646)	Fenami-phos, water, fltrd, µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide water, fltrd, µg/L) (62167)	Fipro-nil sulfone water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Flufen-acet ESA, water, fltrd, µg/L (61952)
May 12	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.02

Date	Flufe-nacet OA, water, fltrd, µg/L (62483)	Flufe-nacet, water, fltrd, µg/L (62481)	Fonofos oxon, water fltrd,, µg/L (61649)	Fonofos water, fltrd, µg/L (04095)	Hexa-zinone, water, fltrd, µg/L (04025)	Ipro-dione, water, fltrd, µg/L (61593)	Isofen-phos, water, fltrd, µg/L (61594)	Mala-oxon, water, fltrd, µg/L (61652)	Mala-thion, water, fltrd, µg/L (39532)	Meta-laxyl, water, fltrd, µg/L (61596)	Methi-althion water, fltrd, µg/L (61598)	Methyl para-oxon, water, fltrd, µg/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF µg/L (82667
May 12	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.015

Date	Metola-chlor ESA, water, fltrd, 0.7u GF µg/L (61043)	Metola-chlor OA, water, fltrd, 0.7u GF µg/L (61044)	Metola-chlor, water fltrd,, µg/L (39415)	Metri-buzin, water, fltrd, µg/L (82630)	Myclo-butanil water, fltrd, µg/L (61599)	Pendi-meth-alin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prome-ton, water, fltrd, µg/L (04037)	Prome-tryn, water, fltrd, µg/L (04036)	Propy-zamide, water, fltrd, 0.7u GF µg/L (82676)
May 12	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004

Date	Propa-chlor ESA, water, fltrd, 0.7u GF µg/L (62766)	Propa-chlor OA, water, fltrd, 0.7u GF µg/L (62767)	Sima-zine, water fltrd,, µg/L (04035)	Tebu-thiuron water, fltrd, 0.7u GF µg/L (82670)	Ter-bufos oxon sulfone water, fltrd, µg/L (61674)	Terbu-fos, water, fltrd, 0.7u GF µg/L (82675)	Ter-buthyl-azine, water, fltrd, µg/L (04022)	Tri-flur-alin, fltrd, 0.7u GF µg/L (82661)	Di-chlor-vos, water, fltrd, µg/L (38775)
May 12	<.05	<.02	<.005	<.02	<.07	<.02	<.01	<.009	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value

LIST OF ACTIVE AND DISCONTINUED CONTINUOUS GAGING STATIONS

The following list contains discontinued and currently operated continuous-record streamflow stations on streams within the State of Georgia and its border with adjacent States. Daily streamflow record were collected and published for the periods of record shown for each station. Some stations have monthly figures published for additional periods other than those noted in the period of record column. The stations in bold text are active gaging stations.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02177000	**Chattooga River near Clayton**	**34° 48'50"**	**83° 18'22"**	**207**	**Oct. 1, 1939 to current year**
02178000	Chattooga River near Tallulah Falls	34° 47'31"	83° 19'22"	256	Jan. 1, 1917 to Jan. 27, 1918
					Oct. 1, 1918 to Sep. 30, 1929
02178400	**Tallulah River near Clayton**	**34° 53'25"**	**83° 31'50"**	**56.5**	**Jul. 15, 1964 to current year**
02179000	Tallulah River near Seed	34° 46'32"	83° 31'17"	129	Jan. 1, 1916 to Apr. 25, 1920
02180500	Tiger Creek at Lakemont	34° 46'52"	83° 24'54"	26.0	Jan. 11, 1916 to Sep. 30, 1918
02181000	Tallulah River at Mathis	34° 46'44"	83° 24'43"	177	Mar. 27, 1913 to Sep. 30, 1916
02181500	Tallulah River at Tallulah Falls	34° 44'16"	83° 23'51"	183	Jul. 15, 1904 to Jun. 30, 1909
02181850	**Tallulah River above Powerhouse, near Tallulah Falls**	**34° 43'55"**	**83° 22'33"**	**184**	**Nov. 15, 1997 to current year**
02182000	Panther Creek near Toccoa	34° 40'40"	83° 20'43"	32.5	Oct. 1, 1942 to Sep. 30, 1971
02184000	Tugaloo River near Hartwell	34° 29'06"	82° 54'33"	909	Apr. 28, 1925 to Sep. 30, 1927
					Feb. 1, 1940 to Sep. 30, 1960
02187252	Savannah River below Hartwell Lake, near Hartwell	34° 21'15"	82° 48'55"	2,090	Oct. 1, 1984 to Sep. 30, 1999
02187500	Savannah River near Iva, SC	34° 15'20"	82° 44'42"	2,231	Oct. 1, 1950 to Sep. 30, 1981
02188500	Beaverdam Creek at Dewy Rose	34° 10'52"	82° 56'38"	38.4	Oct. 1, 1942 to Sep. 30, 1977
02188600	**Beaverdam Creek above Elberton**	**34° 10'07"**	**82° 53'48"**	**72.0**	**Oct. 1, 1986 to Oct. 8, 1996**
					Jan. 18, 2005 to current year
02188680	Beaverdam Creek near Elberton	34° 08'29"	82° 51'15"	89.6	Oct. 1, 1984 to Jun. 30, 1986
02189000	Savannah River near Calhoun Falls, SC	34° 04'15"	82° 38'30"	2,880	Oct. 1, 1896 to Apr. 30, 1898
					Apr. 1, 1899 to Sep. 30, 1900
					Apr. 1, 1930 to Apr. 30, 1932
					Apr. 1, 1938 to Sep. 30, 1979
02189050	North Fork Broad River above Toccoa	34° 34'25"	83° 22'00"	3.66	Oct. 1, 1958 to Sep. 30, 1969
02189100	Denmans Creek near Toccoa	34° 34'22"	83° 22'00"	0.74	Apr. 15, 1956 to Sep. 30, 1969
02189500	North Fork Broad River near Toccoa	34° 30'49"	83° 19'19"	18.3	May 1, 1954 to Sep. 30, 1969
02189600	Bear Creek near Mize	34° 29'07"	83° 18'38"	3.62	Dec. 1, 1956 to Sep. 30, 1969
02190000	North Fork Broad River near Lavonia	34° 27'10"	83° 14'23"	42.0	May 1, 1954 to Sep. 30, 1969
02190100	Toms Creek near Eastanollee	34° 29'01"	83° 14'02"	3.79	Oct. 1, 1956 to Sep. 30, 1969
02190200	Toms Creek near Avalon	34° 29'35"	83° 13'23"	1.20	Oct. 1, 1954 to Sep. 30, 1969
02190500	Toms Creek near Martin	34° 27'47"	83° 13'19"	10.3	Jun. 17, 1954 to Sep. 30, 1969
02191000	North Fork Broad River near Carnesville	34° 19'25"	83° 11'10"	119	Oct. 1, 1942 to Dec. 31, 1944
					May 1, 1954 to Sep. 30, 1969
02191200	Hudson River at Homer	34° 20'15"	83° 29'17"	60.9	Jun. 1, 1959 to Sep. 30, 1979
02191300	**Broad River above Carlton**	**34° 04'24"**	**83° 00'12"**	**760**	**Oct. 1, 1997 to current year**
02191500	Broad River near Carlton	34° 03'56"	82° 59'33"	762	Jul. 1, 1897 to Dec. 31, 1912
02191743	South Fork Broad River at Carlton	34° 01'53"	83° 00'33"	224	May 23, 2000 to Sep. 30, 2004
02191970	Little Macks Creek near Lexington	33° 56'09"	82° 57'41"	1.73	Dec. 5, 1974 to Sep. 30, 1985
02192000	**Broad River near Bell**	**33° 58'27"**	**82° 46'12"**	**1,430**	**Nov. 1, 1926 to Jul. 31, 1932**
					Aug. 1, 1937 to current year
02193340	**Kettle Creek near Washington**	**33° 40'57"**	**82° 51'29"**	**33.9**	**Apr. 16, 1986 to current year**
02193500	**Little River near Washington**	**33° 36'40"**	**82° 44'40"**	**291**	**Oct. 1, 1949 to Jun. 23, 1971**
					May 1, 1989 to current year
02194000	Little River near Linconton	33° 38'40"	82° 28'40"	574	Jan. 1, 1943 to Mar. 31, 1951
02195320	**Kiokee Creek at GA 104, near Evans**	**33° 36'03"**	**82° 13'58"**	**105.70**	**Dec. 28, 2004 to current year**
02196484	Savannah River near North Augusta, SC	33° 33'06"	82° 02'19"	7,150	Oct. 1, 1988 to Sep. 30, 2001
02196820	Butler Creek at Fort Gordon	33° 26'36"	82° 07'43"	7.50	Oct. 1, 1968 to Jan. 22, 1991
02196835	**Butler Creek below 7th Avenue, at Fort Gordon**	**33° 26'17"**	**82° 07'05"**	**7.90**	**Mar. 27, 2001 to current year**
02197000	**Savannah River at Augusta**	**33° 22'25"**	**81° 56'35"**	**7,508**	**Apr. 1, 1883 to Sep. 30, 1891**
					Apr. 1, 1896 to Sep. 30, 1906
					Apr. 1, 1925 to current year
02197020	**Spirit Creek at US 1, near Augusta**	**33°22'24"**	**82°08'21"**	**17.2**	**Mar. 26, 2001 to current year**
02197320	**Savannah River near Jackson, SC**	**33° 13'01"**	**81° 46'04"**	**7,800**	**Oct. 1, 1971 to Sep. 30, 2001**
021973269	**Savannah River near Waynesboro**	**33° 08'59"**	**81° 45'18"**	**8,300**	**Nov. 11, 2004 to current year**
02197500	**Savannah River at Burtons Ferry, Bridge, near Millhaven**	**32° 56'20"**	**81° 30'10"**	**8,650**	**Oct. 1, 1939 to Sep. 30, 1970**
					Oct. 1, 1982 to current year
02197520	Brier Creek near Thomson	33° 22'06"	82° 28'06"	55.0	Jul. 18, 1967 to Sep. 30, 1993
02197550	Little Brier Creek near Thomson	33° 20'24"	82° 27'29"	24.0	Jun. 24, 1960 to Jun. 30, 1967
02197600	**Brushy Creek near Wrens**	**33° 10'37"**	**82° 18'21"**	**28.0**	**May 29, 1958 to current year**
02197830	Brier Creek near Waynesboro	33° 07'05"	81° 57'50"	473	Jul. 1, 1969 to Jan. 19, 1995

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02198000	**Brier Creek at Millhaven**	**32° 56'00"**	**81° 39'05"**	**646**	**Apr. 14, 1937 to current year**
02198100	**Beaverdam Creek near Sardis**	**32° 56'15"**	**81° 48'56"**	**30.8**	**Jun. 7, 1986 to current year**
02198500	**Savannah River near Clyo**	**32° 31'30"**	**81° 15'45"**	**9,850**	**Apr. 1, 1930 to Sep. 30, 1933**
					Oct. 1, 1937 to current year
02198690	**Ebenezer Creek at Springfield**	**32° 21'56"**	**81° 17'51"**	**181**	**Mar. 1, 1990 to current year**
02200500	Ogeechee River near Louisville	32° 58'03"	82° 23'26"	800	Apr. 1, 1937 to Dec. 31, 1949
02201000	**Williamson Swamp Creek at Davisboro**	**32° 58'32"**	**82° 36'36"**	**109**	**May 7, 1980 to current year**
02201230	**Ogeechee River at Midville**	**32°24'52"**	**82°14'07"**	**1,300**	**Feb. 26, 2003 to current year**
02202040	**Ogeechee River at Rocky Ford Road, near Rocky Ford**	**32°38'56"**	**81°50'27"**	**2,040**	**Sep. 26, 2002 to current year**
02202000	Ogeechee River at Scarboro	32° 42'38"	81° 52'46"	1,940	Apr. 1, 1937 to Jun. 30, 1971
02202500	**Ogeechee River near Eden**	**32° 11'29"**	**81° 24'58"**	**2,650**	**Apr. 27, 1937 to current year**
02202600	**Black Creek near Blitchton**	**32° 10'04"**	**81° 29'18"**	**232**	**Feb. 14, 1980 to current year**
02203000	**Canoochee River near Claxton**	**32° 11'05"**	**81° 53'20"**	**555**	**May 26, 1937 to current year**
02203500	Canoochee River near Groveland	32° 05'55"	81° 43'43"	921	Jun. 23, 1903 to Dec. 31, 1907
02203559	Peacock Creek at McIntosh	31° 48'49"	81° 31'13"	33.0	Oct. 1, 1966 to Sep. 30, 1977
02203600	South River at East Point	33° 40'50"	84° 25'15"	1.49	Oct. 1, 1963 to Sep. 30, 1969
02203655	**South River at Forest Park Road, at Atlanta**	**33°40'44"**	**84°21'29"**	**22.5**	**Nov. 20, 2002 to current year**
02203700	**Intrenchment Creek near Atlanta**	**33°41"20"**	**84°19'50"**	**10.6**	**Apr. 4, 2003 to current year**
02203900	South River at Flakes Mill Road, near Atlanta	33° 39'58"	84° 13'29"	99.0	Aug. 23, 1979 to Sep. 30, 1983
02204070	**South River at Klondike Road, near Lithonia**	**33° 37'47"**	**84° 07'43"**	**182**	**Oct. 1, 1983 to current year**
02204118	**Honey Creek at Hurst Road, near Conyers**	**33°39'44"**	**84°05'03"**	**8.0**	**Apr. 18, 2003 to current year**
02204130	**Honey Creek at GA 212, near Conyers**	**33°34'47"**	**84°03'51"**	**26.0**	**Nov. 2, 2002 to current year**
02204285	Pates Creek near Flippen	33° 29'34"	84° 14'44"	11.9	Aug. 9, 1977 to Sep. 30, 1984
02204500	South River near McDonough	33° 29'48"	84° 00'53"	456	Oct. 1, 1939 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
02205000	Wildcat Creek near Lawrenceville	34° 00'08"	84° 00'18"	1.59	Oct. 1, 1953 to Sep. 30, 1982
02205500	Pew Creek near Lawrenceville	33° 56'05"	84° 01'00"	2.23	Oct. 1, 1953 to Sep. 30, 1963
02205522	**Pew Creek at Patterson Road, near Lawrenceville**	**33° 55'33"**	**84° 02'16"**	**7.00**	**Mar. 27, 2005 to current year**
02206000	Shetley Creek near Norcross	33° 57'20"	84° 09'40"	0.98	Oct. 1, 1953 to Sep. 30, 1963
02206500	Yellow River near Snellville	33° 51'11"	84° 04'45"	134	Oct. 1, 1942 to Sep. 30, 1971
					Oct 1, 1987 to Sep. 30, 2002
02207000	Garner Creek near Snellville	33° 51'45"	84° 05'50"	5.54	Oct. 1, 1953 to Sep. 30, 1963
02207120	**Yellow River at GA 124, near Lithonia**	**33° 46'22"**	**84° 03'30"**	**162**	**Aug. 16, 2001 to current year**
02207185	**No Business Creek at Lee Road, below Snellville**	**33° 46'40"**	**84° 02'16"**	**10.14**	**Oct. 1, 2000 to current year**
02207220	**Yellow River at Pleasant Hill Road, near Lithonia**	**33°44'01"**	**84°03'43"**	**213**	**Nov. 27, 2002 to current year**
02207335	**Yellow River at Gees Mill Road, near Milstead**	**33° 40'01"**	**83° 56'17"**	**260**	**Nov. 1, 2001 to current year**
02207385	**Big Haynes Creek at Lenora Road, near Snellville**	**33° 48'54"**	**83° 59'25"**	**17.30**	**Oct. 1, 2000 to current year**
02207400	**Brushy Fork Creek at Beaver Road, near Loganville**	**33° 49'17"**	**83° 56'33"**	**8.15**	**Oct. 1, 2000 to current year**
02207418	**Big Haynes Creek at Jack Turner Dam, near Milstead**	**33° 43'10"**	**83° 56'05"**	**46.3**	**Oct. 12, 2001 to current year**
02207435	**Little Haynes Creek at Dial Mill Road, near Milstead**	**33° 42'40"**	**83° 54'52"**	**25.1**	**Oct. 16, 2001 to current year**
02207448	**Big Haynes Creek at Bald Rock Road, near Milstead**	**33°39'41"**	**83°55'40"**	**79.0**	**Jun. 10, 2002 to current year**
02207500	Yellow River near Covington	33° 36'52"	83° 54'54"	378	Sep. 12, 1897 to Dec. 31, 1897
					May 9, 1899 to Dec. 31, 1901
					Jul. 1, 1944 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
02208050	**Alcovy River near Lawrenceville**	**33° 58'40"**	**83° 56'23"**	**9.97**	**Mar. 27, 2005 to current year**
02208150	**Alcovy River at New Hope Road, near Grayson**	**33° 55'03"**	**83° 53'17"**	**30.75**	**Oct. 1, 2000 to current year**
02208450	**Alcovy River above Covington**	**33° 38'24"**	**83° 46'45"**	**185**	**Jan. 26, 1972 to current year**
02208500	Alcovy River near Covington	33° 35'35"	83° 48'29"	228	May 1, 1901 to Dec. 31, 1904
02209000	Alcovy River below Covington	33° 30'21"	83° 49'30"	244	Oct. 1, 1928 to Apr. 30, 1932
					Jul. 1, 1944 to Dec. 31, 1949
02209500	Alcovy River near Stewart	33° 25'22"	83° 49'43"	291	Sep. 16, 1905 to Dec. 31, 1906
02210500	**Ocmulgee River near Jackson**	**33° 18'28"**	**83° 50'18"**	**1,420**	**May 18, 1906 to Sep. 30, 1915**
					Aug. 1, 1939 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
					Mar. 1, 1987 to current year
02211300	Towaliga River near Jackson	33° 15'50"	84° 04'17"	105	Jun. 1, 1960 to Sep. 30, 1971
02211375	**Cabin Creek at North Second Street, near Griffin**	**33° 16'18"**	**84° 14'11"**	**4.10**	**Oct. 17, 2003 to current year**
02211459	Big Towaliga Creek near Barnesville	33° 04'20"	84° 11'04"	2.36	Oct. 1, 1974 to Sep. 30, 1980
02211500	Towaliga River near Forsyth	33° 07'17"	83° 56'36"	315	Feb. 1, 1929 to Mar. 31, 1932
					Jul. 1, 1944 to Dec. 31, 1949
02212500	Ocmulgee River at Juliette	33° 05'50"	83° 47'10"	1,960	Jun. 1, 1916 to Sep. 30, 1921
					Jul. 2, 1974 to May 15, 1988
02212600	**Falling Creek near Juliette**	**33° 05'59"**	**83° 43'25"**	**72.2**	**Jul. 7, 1964 to current year**
02213000	**Ocmulgee River at Macon**	**32° 50'19"**	**83° 37'14"**	**2,240**	**Feb. 1, 1893 to Jul. 31, 1912**
					Oct. 1, 1928 to current year
02213050	Walnut Creek near Gray	32° 58'20"	83° 37'08"	29.0	Oct. 1, 1961 to Apr. 26, 1994

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02213470	Tobesofkee Creek above Macon	32° 52'02"	83° 50'24"	156	Apr. 1, 1967 to Sep. 30, 1971
02213500	**Tobesofkee Creek near Macon**	**32° 48'32"**	**83° 45'30"**	**182**	**Apr. 1, 1937 to current year**
02213700	**Ocmulgee River near Warner Robins**	**32° 40'17"**	**83° 36'11"**	**2,690**	**Oct. 1, 1972 to current year**
02214000	Echeconnee Creek near Macon	32° 45'54"	83° 50'22"	147	Apr1, 1937 to Sep. 30, 1943
22145000	Big Indian Creek at Perry	32° 27'20"	83° 44'21"	108	Oct. 1, 1943 to Jul. 31, 1971
02215000	Ocmulgee River at Hawkinsville	32° 16'50"	83° 27'40"	3,800	Oct. 1, 1928 to Dec. 31, 1931
					Oct. 1, 1943 to Sep. 30, 1959
02215100	**Tucsawhatchee Creek near Hawkinsville**	**32o 14'22"**	**83° 30'06"**	**163**	**Apr. 1, 1986 to current year**
02215400	Big Horse Creek near Lumber City	31° 51'07"	82° 49'37"	155	Oct. 1, 1958 to Dec. 31, 1961
02215500	**Ocmulgee River at Lumber City**	**31° 55'06"**	**82° 40'26"**	**5,180**	**Oct. 1, 1936 to current year**
02216000	Little Ocmulgee River at Towns	32° 00'28"	82° 45'10"	351	Apr. 1, 1937 to Dec. 31, 1946
02216180	**Turnpike Creek near McRae**	**31° 59'29"**	**82° 55'19"**	**49.2**	**Jan. 1, 1983 to current year**
02216610	Tillman Mill Creek near Lumber City	31° 58'53"	82° 38'32"	2.71	Oct. 1, 1974 to Sep. 30, 1985
02217000	Allen Creek at Talmo	34° 11'34"	83° 43'11"	17.3	Jul. 7, 1951 to Sep. 30, 1971
02217274	**Wheeler Creek at Bill Cheek Road, near Auburn**	**34° 04'56"**	**83° 51'17"**	**1.31**	**Jun. 29, 2001 to current year**
02217475	**Middle Oconee River near Arcade**	**34° 01'54"**	**83° 33'48"**	**340**	**Mar. 1, 1987 to current year**
02217500	**Middle Oconee River near Athens**	**33° 56'48"**	**83° 25'22"**	**392**	**Oct. 1, 1901 to Sep. 30, 1902**
					Jan. 1, 1929 to Mar. 31, 1932
					May 1, 1937 to current year
02217770	**North Oconee River at College Street, at Athens**	**33°58'11"**	**83°22'39**	**264**	**Aug. 10, 2002 to current year**
02217900	North Oconee River at Athens	33° 56'55"	83° 22'04"	290	Oct. 1, 1928 to Mar. 31, 1932
					Jun. 24, 1944 to Dec. 31, 1949
02218300	**Oconee River near Penfield**	**33° 43'16"**	**83° 17'44"**	**940**	**Aug. 1, 1977 to current year**
02218500	Oconee River near Greensboro	33° 34'52"	83° 16'22"	1,090	Aug. 1, 1903 to Sep. 30, 1932
					Apr. 1, 1937 to Sep. 30, 1978
02218565	**Apalachee River at Fence Road, near Auburn**	**34° 00'37"**	**83° 53'39"**	**5.68**	**Jul. 13, 2001 to current year**
02219000	**Apalachee River near Bostwick**	**33° 47'17"**	**83° 28'27"**	**176**	**Jul. 1, 1944 to Dec. 31, 1949**
					Apr. 28, 1977 to current year
02219500	Apalachee River near Buckhead	33° 36'31"	83° 20'58"	436	Jan. 1, 1901 to Dec. 31, 1908
					Apr. 1, 1937 to Sep. 30, 1978
02220500	Oconee River near Sparta	33° 20'05"	83° 08'38"	1,830	Oct. 1, 1949 to Apr. 15, 1953
02220550	Whitten Creek near Sparta	33° 23'12"	83° 01'34"	16.6	Jun. 22, 1960 to Apr. 16, 1986
02220900	**Little River near Eatonton**	**33° 18'50"**	**83° 26'14"**	**262**	**Aug. 1, 1977 to current year**
02221000	Murder Creek near Monticello	33° 24'56"	83° 39'43"	24.0	Oct. 1, 1951 to Sep. 30, 1971
02221525	**Murder Creek below Eatonton**	**33° 15'08"**	**83° 28'53"**	**190**	**Apr. 27, 1977 to current year**
02223000	**Oconee River at Milledgeville**	**33° 05'22"**	**83° 12'56"**	**2,950**	**Sep. 1, 1903 to current year**
02223056	**Oconee River at Avant Mine, near Oconee**	**32° 56'23"**	**83° 04'01"**	**3,100**	**Nov. 4, 1992 to current year**
02223110	Buffalo Creek near Oconee	32° 53'28"	82° 57'40"	293	Jan. 28, 1993 to Oct. 2, 1996
02223248	**Oconee River near Oconee**	**32° 47'14"**	**82° 57'26"**	**3,770**	**Nov. 1, 1992 to current year**
02223300	Big Sandy Creek near Jeffersonville	32° 48'15"	83° 25'04"	31.0	Oct. 1, 1958 to Sep. 30, 1971
02223382	Oconee River near Dublin	32° 41'41"	82° 56'20"	4,100	Nov. 4, 1992 to Oct. 2, 1996
02223500	**Oconee River at Dublin**	**32° 32'40"**	**82° 53'41"**	**4,400**	**Oct. 1, 1897 to current year**
02224000	Rocky Creek near Dudley	32° 29'38"	83° 08'49"	62.9	Dec. 1, 1951 to Sep. 30, 1976
02224500	Oconee River near Mt. Vernon	32° 11'28"	82° 38'00"	5,110	Oct. 1, 1937 to Dec. 31, 1955
02225000	**Altamaha River near Baxley**	**31° 56'20"**	**82° 21'13"**	**11,600**	**Aug. 14, 1949 to Jun. 30, 1951**
					Oct. 1, 1970 to current year
02225500	**Ohoopee River near Reidsville**	**32° 04'42"**	**82° 10'39"**	**1,110**	**Jun. 24, 1903 to Dec. 31, 1907**
					May 25, 1937 to current year
02226000	**Altamaha River at Doctortown**	**31° 39'16"**	**81° 49'41"**	**13,600**	**Oct. 1, 1931 to current year**
02226100	Penholoway Creek near Jesup	31° 34'00"	81° 50'18"	210	Jul. 1, 1958 to Mar. 27, 2001
02226500	**Satilla River near Waycross**	**31° 14'17"**	**82° 19'29"**	**1,200**	**Apr. 1, 1937 to current year**
02226600	Burket Creek near Roper	31° 47'42"	82° 37'33"	7.10	Jul. 1, 1956 to Sep. 30, 1963
02226700	Whitehead Creek near Denton	31° 44'00"	82° 41'26"	28.0	Jul. 1, 1956 to Sep. 30, 1963
02226900	Hurricane Creek near Hazelhurst	31° 40'58"	82° 34'15"	102	Jul. 1, 1956 to Sep. 30, 1963
02227000	Hurricane Creek near Alma	31° 34'00"	82° 27'50"	139	Oct. 1, 1951 to Sep. 30, 1971
02227500	**Little Satilla River near Offerman**	**31° 27'04"**	**82° 03'17"**	**646**	**Jan. 27, 1951 to current year**
02228000	**Satilla River at Atkinson**	**31° 13'16"**	**81° 52'03"**	**2,790**	**Mar. 21, 1930 to current year**
02228500	**North Prong St Marys River at Moniac**	**30° 31'03"**	**82° 13'50"**	**160**	**Feb. 1, 1921 to Dec. 31, 1923**
					Feb. 1, 1927 to Jun. 30, 1930
					Aug. 1, 1932 to Jun. 30, 1934
					Oct. 1, 1950 to current year
02231000	**St Marys River near Macclenny, FL**	**30° 21'31"**	**82° 04'54"**	**700**	**Oct. 1, 1926 to current year**
02231253	St Marys River near Gross, FL	30° 44'29"	81° 41'17"	1,360	Apr. 1, 1966 to May 31, 1975
					Oct. 1, 1980 to Sep. 30, 1983
					Oct. 1, 1984 to Aug. 31, 1990
02314500	**Suwannee River at Fargo**	**30° 40'50"**	**82° 33'38"**	**1,260**	**Jan. 28, 1927 to Dec. 9, 1931**
					Apr. 20, 1937 to current year

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02316000	**Alapaha River near Alapaha**	**31° 23'03"**	**83° 11'33"**	**663**	**Apr. 26, 1937 to Sep. 30, 1976**
					Sep. 4, 2002 to current year
02317000	Alapaha River at May Day	30° 49'40"	83° 01'05"	1,300	Oct. 1, 1928 to Dec. 9, 1931
02317500	**Alapaha River at Statenville**	**30° 42'14"**	**83° 02'00"**	**1,400**	**Jan. 28, 1921 to Jun. 30, 1921**
					Dec. 10, 1931 to current year
02317748	Withlacoochee River near Bemiss	30° 57'24"	83° 16'12"	501	Oct. 13, 1976 to Dec. 31, 1981
023177483	**Withlacoochee River at McMillan Road, near Bemiss**	**30° 56'50"**	**83° 16'22"**	**502**	**Jun. 11, 1988 to current year**
02317755	Withlacoochee River at US 41, near Valdosta	30° 53'33"	83° 19'08"	537	Oct. 20, 1976 to Sep. 30, 1978
					Aug. 31, 1988 to Jan. 3, 1990
02317830	Little River near Lenox	31° 15'15"	83° 30'32"	208	May 1, 1967 to Sep. 30, 1971
					Oct. 1, 1976 to Sep. 30, 1978
02318000	**Little River near Adel**	**31° 19'39"**	**83° 32'32"**	**577**	**Jun. 12, 1940 to Sep. 30, 1971**
					Oct. 1, 2002 to current year
02318500	**Withlacoochee River at US 84, near Quitman**	**30° 47'35"**	**83° 27'13"**	**1,480**	**Oct. 1, 1928 to Dec. 11, 1931**
					Jun. 9, 1937 to May 31, 1948
					Oct. 1, 1988 to May 7, 1992
					Jun. 1, 1992 to current year
02318700	**Okapilco Creek at GA 33, near Quitman**	**30° 49'32"**	**83° 33'45"**	**269**	**Dec. 21, 1979 to current year**
02327500	**Ochlockonee River near Thomasville**	**30° 52'32"**	**84° 02'44"**	**550**	**Aug. 11, 1937 to Jun. 30, 1971**
					Oct. 11, 2000 to current year
02328000	Tired Creek near Cairo	30° 51'54"	84° 15'46"	60.0	Oct. 1, 1943 to Feb. 29, 1948
					Apr. 26, 1948 to Jun. 30, 1971
02329342	**Little Attapulgus Creek at Attapulgus**	**30° 44'08"**	**84° 29'49"**	**16.9**	**Nov. 15, 1991 to current year**
02330450	**Chattahoochee River at Helen**	**34° 42'03"**	**83° 43'44"**	**44.7**	**May 5, 1981 to current year**
02331000	Chattahoochee River near Leaf	34° 34'37"	83° 38'09"	150	Feb. 21, 1940 to Sep. 30, 1971
02331500	Soque River near Demorest	34° 34'23"	83° 35'27"	156	Jul. 6, 1904 to Jun. 30, 1909
					May 30, 1929 to Dec. 25, 1931
					Mar. 27, 1940 to Dec. 31, 1951
02331600	**Chattahoochee River near Cornelia**	**34° 32'27"**	**83° 37'14"**	**315**	**Aug. 21, 1957 to current year**
02332000	King Branch near Alto	34° 27'05"	83° 36'45"	0.42	May 1, 1944 to Sep. 30, 1948
02332830	West Fork Little River near Clermont	34° 24'55"	83° 49'18"	18.3	Feb. 1, 1993 to Sep. 30, 1998
02333000	Chattahoochee River near Gainesville	34° 19'17"	83° 52'46"	559	Jun. 26, 1901 to Sep. 27, 1902
					Dec. 28, 1902 to Dec. 31, 1903
					Apr. 28, 1937 to Feb. 29, 1956
02333500	**Chestatee River near Dahlonega**	**34° 31'41"**	**83° 56''23"**	**153**	**Jul. 8, 1929 to Jan. 31, 1932**
					Apr. 1, 1940 to current year
02334430	**Chattahoochee River at Buford Dam, near Buford**	**34° 09'25"**	**84° 04'44"**	**1,040**	**Oct. 1, 1971 to current year**
02334480	**Richland Creek at Suwanee Dam Road, near Buford**	**34° 07'57"**	**84° 04'12"**	**9.35**	**Oct. 1, 1995 to Jan. 6, 1997**
					May 17, 2001 to current year
02334500	Chattahoochee River near Buford	34° 07'34"	84° 05'37"	1,060	Jan. 27, 1942 to Sep. 30, 1971
02334578	**Level Creek at Suwanee Dam Road, near Suwanee**	**34° 05'47"**	**84° 04'47"**	**5.10**	**May 10, 2001 to current year**
02334620	**Dick Creek at Old Atlanta Road, near Suwanee**	**34° 04'17"**	**84° 07'49"**	**6.90**	**Dec. 15, 2003 to current year**
02334885	**Suwanee Creek near Suwanee**	**34° 01'56"**	**84° 05'22"**	**46.8**	**Oct. 1, 1984 to current year**
02335000	**Chattahoochee River near Norcross**	**33° 59'50"**	**84° 12'07"**	**1,170**	**Jan. 1, 1903 to Sep. 30, 1946**
					Oct. 1, 1956 to current year
02335075	Johns Creek at State Bridge Road, near Warsaw	34°01'38"	84°12'09"	9.40	Apr. 2, 2003 to Feb. 16, 2004
02335078	**Johns Creek at Buice Road, near Warsaw**	**34° 00'58"**	**84° 12'40"**	**11.6**	**Apr. 1, 1994 to Jan. 8, 1998**
					Mar. 3, 2004 to current year
02335350	**Crooked Creek near Norcross**	**33°57'54"**	**84°15'54"**	**6.66**	**Mar. 22, 2001 to current year**
02335450	**Chattahoochee River above Roswell**	**33° 59'09"**	**84° 18'58"**	**1,220**	**Jul. 7, 1976 to current year**
02335500	Chattahoochee River near Roswell	34° 00'20"	84° 19'53"	1,230	Oct. 1, 1941 to May 10, 1960
02335700	**Big Creek near Alpharetta**	**34° 03'02"**	**84° 16'10"**	**72.0**	**May 1, 1960 to current year**
02335757	**Big Creek below Hog Wallow Creek, at Roswell**	**34°01'03"**	**84°21'12"**	**103.17**	**Mar. 27, 2004 to current year**
02335815	**Chattahoochee River blw Morgan Falls Dam, Sandy Springs**	**33° 58'05"**	**84° 22'58"**	**1,370**	**Oct. 9, 2001 to current year**
02335830	Chattahoochee River at Johnson's Ferry Road, near Atlanta	33° 56'36"	84° 24'17"	1,380	Sep. 1, 1994 to Jan. 11, 1998
02335870	**Sope Creek near Marietta**	**33° 57'14"**	**84° 26'36"**	**29.2**	**Oct. 1, 1984 to current year**
02335912	Rottenwood Creek at I-285, at Atlanta	33° 53'30"	84° 27'33"	19.5	Oct. 1, 1995 to Sep. 30, 1996
02336000	**Chattahoochee River at Atlanta**	**33° 51'33"**	**84° 27'16"**	**1,450**	**Aug. 1, 1928 to Dec. 31, 1931**
					Oct. 1, 1936 to current year
02336030	**North Fork Peachtree Creek at Graves Road, near Doraville**	**33° 54'20"**	**84° 13'30"**	**1.42**	**Jun. 8, 2001 to current year**
02336120	**North Fork Peachtree Creek at Buford Highway, at Atlanta**	**33° 49'53"**	**84° 20'34"**	**34.8**	**May 10, 2003 to current year**
02336240	**South Fork Peachtree Creek at Johnson Road, near Atlanta**	**33° 48'10"**	**84° 20'27"**	**28.7**	**Apr. 30, 2003 to current year**
02336300	**Peachtree Creek at Atlanta**	**33° 49'10"**	**84° 24'28"**	**86.8**	**Jun. 20, 1958 to current year**
02336313	**Woodall Creek at DeFoors Ferry Road, at Atlanta**	**33° 49'18"**	**84° 26'20"**	**2.60**	**Dec. 16, 2004 to current year**
02336380	Nancy Creek at Randall Mill Road, at Atlanta	33° 51'35"	84° 25'28"	34.8	Oct. 1, 1963 to Sep. 30, 1964
02336360	**Nancy Creek at Rickenbacker Drive, at Atlanta**	**33° 52'09"**	**84° 22'44"**	**26.6**	**May 24, 2003 to current year**

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02336410	**Nancy Creek at West Wesley Road, at Atlanta**	**33° 50'18"**	**84° 26'22"**	**37.7**	**Apr. 23, 1994 to Jan. 11, 1998**
					Oct. 1, 2003 to current year
02336490	**Chattahoochee River at GA 280, near Atlanta**	**33° 49'01"**	**84° 28'48"**	**1,590**	**Mar. 3, 1981 to current year**
02336500	Chattahoochee River at Oakdale	33° 48'46"	84° 29'19"	1,600	Oct. 1, 1895 to Aug. 31, 1903
					Nov. 1, 1903 to May 31, 1904
02336517	**Proctor Creek at Hortense Way, at Atlanta**	**33°46'32"**	**84°26'27"**	**7.20**	**Apr. 1, 2003 to current year**
02336526	**Proctor Creek at Jackson Parkway, at Atlanta**	**33°47'39"**	**84°28'28"**	**13.4**	**Dec. 4, 2002 to current year**
02336529	Proctor Creek at Northwest Drive, near Atlanta	33° 47'57"	84° 29'13"	15.5	Apr. 27, 1995 to Jan. 13, 1998
02336635	**Nickajack Creek at US 78/278, near Mableton**	**33° 48'11"**	**84° 31'12"**	**31.5**	**Oct. 1, 1995 to current year**
02336644	**Sandy Creek at Bolton Road, near Atlanta**	**33°46'46"**	**84°29'58"**	**5.15**	**Apr. 1, 2003 to current year**
02336658	**North Utoy Creek at Peyton Road, near Atlanta**	**33°44'20"**	**84°28'45"**	**6.38**	**Apr. 9, 2003 to current year**
02336700	South Utoy Creek Tributary at Headland Drive, at East Point	33° 41'25"	84° 28'05"	0.79	Oct. 1, 1963 to Sep. 30, 1969
02336728	**Utoy Creek at Great Southwest Parkway, near Atlanta**	**33°44'36"**	**84°34'06"**	**33.9**	**Oct. 30, 2002 to current year**
02336968	**Noses Creek at Powder Springs Road, near Powder Springs**	**33° 51'33"**	**84° 39'10"**	**44.5**	**Jul. 16, 1998 to current year**
02337000	**Sweetwater Creek near Austell**	**33° 46'22"**	**84° 36'53"**	**246**	**May 18, 1904 to Dec. 31, 1905**
					Mar. 24, 1937 to current year
02337040	**Sweetwater Creek below Austell**	**33° 43'15"**	**84° 36'54"**	**262**	**Oct. 1, 2001 to current year**
02337100	North Fork Camp Creek at Atlanta	33° 39'40"	84° 30'40"	5.25	Oct. 1, 1963 to Sep. 30, 1969
02337160	Deep Creek at GA 70, near Tell	33° 39'52"	84° 38'26"	27.5	Oct. 1, 1995 to Jan. 12, 1998
02337170	**Chattahoochee River near Fairburn**	**33° 39'24"**	**84° 40'25"**	**2,060**	**Jul. 6, 1965 to current year**
02337320	Bear Creek at GA 70, near Rico	33° 36'17"	84° 44'54"	27.5	Apr. 28, 1995 to Jan. 12, 1998
02337500	**Snake Creek near Whitesburg**	**33° 31'46"**	**84° 55'42"**	**35.5**	**Sep. 15, 1954 to current year**
02338000	**Chattahoochee River near Whitesburg**	**33° 28'37"**	**84° 54'04"**	**2,430**	**Oct. 1, 1938 to Jun. 30, 1954**
					Jan. 1, 1965 to current year
02338185	Wahoo Creek at Wagers Mill Road, near Sargent	33° 26'12"	84° 54'02"	29.7	Dec. 1, 1995 to Jan. 8, 1997
02338280	Whooping Creek at GA 5, near Whitesburg	33° 27'40"	84° 59'49"	26.4	Sep. 1, 1994 to Jan. 8, 1997
02338314	Plant Wangsley Outfall near Glenloch	33° 24'20"	85° 01'58"	25.5	Apr. 29, 1995 to Jan. 8, 1997
02338400	Centralhatchee Creek at US 27, near Franklin	33° 18'40"	85° 06'18"	57.7	Sep. 1, 1994 to Jan. 8, 1997
02338500	**Chattahoochee River at US 27, at Franklin**	**33° 16'45"**	**85° 06'00"**	**2,680**	**Jun. 1, 1928 to Oct. 31, 1931**
					Oct. 1, 1938 to Sep. 30, 1939
					Oct. 1, 1957 to Sep. 30, 1959
					Mar. 23, 2004 to current year
02338523	**Hillabahatchee Creek at Thaxton Road, near Franklin**	**33° 20'26"**	**85° 13'37"**	**16.8**	**Dec. 13, 2001 to current year**
02338660	**New River at GA 100, near Corinth**	**33° 14'07"**	**84° 59'16"**	**127**	**Oct. 1, 1978 to current year**
02338840	Yellowjacket Creek near Hogansville	33° 08'22"	84° 58'31"	91.0	Oct. 1, 1978 to Sep. 30, 1985
02339000	Yellowjacket Creek near LaGrange	33° 05'27"	85° 03'40"	182	Jan. 20, 1951 to Mar. 31, 1971
02339500	**Chattahoochee River at West Point**	**32° 53'10"**	**85° 10'56"**	**3,550**	**Aug. 1, 1896 to current year**
02340000	Mill Creek near Warm Springs	32° 52'03"	84° 47'04"	0.87	Dec. 17, 1933 to Apr. 30, 1935
02340500	Mountain Oak Creek near Hamilton	32° 44'28"	85° 04'08"	61.7	Dec. 22, 1943 to Sep. 30, 1971
02341500	Chattahoochee River at Columbus	32° 27'45"	84° 59'52"	4,670	Aug. 23, 1929 to Sep. 30, 2002
02341505	**Chattahoochee River at US 280, near Columbus**	**33°27'11"**	**84°59'43"**	**4,670**	**Jan. 18, 2002 to current year**
02341800	**Upatoi Creek near Columbus**	**32° 24'48"**	**84° 49'12"**	**342**	**Apr. 1, 1968 to current year**
02342000	Upatoi Creek at Fort Benning	32° 22'35"	84° 56'40"	447	Oct. 1, 1942 to Dec. 31, 1947
02342850	Hannahatchee Creek at Union	32° 09'10"	84° 54'21"	121	Jun. 1, 1964 to Sep. 30, 1965
02343200	Pataula Creek near Lumpkin	31° 56'03"	84° 48'12"	70.0	Jun. 21, 1958 to Sep. 30, 1971
02343260	Chattahoochee River at Fort Gaines	31° 36'15"	85° 03'19"	7,570	Oct. 1, 1960 to Sep. 30, 1962
02343500	Chattahoochee River at Columbia, Ala.	31° 17'11"	85° 05'45"	8,040	Jul. 27, 1928 to Sep. 30, 1960
02343801	**Chattahoochee River near Columbia, AL**	**31° 15'33"**	**85° 06'37"**	**8,210**	**Oct. 1, 1975 to current year**
02343940	**Sawhatchee Creek at Cedar Springs**	**31° 10'40"**	**85° 02'37"**	**64.2**	**Jan. 18, 2002 to current year**
02344000	Chattahoochee River at Alaga, Ala.	31° 06'54"	85° 02'43"	8,340	May 1, 1938 to Dec. 31, 1944
					Oct. 1, 1960 to Sep. 30, 1970
02344300	Camp Creek near Fayetteville	33° 31'00"	84° 25'39"	17.2	Jun. 1, 1960 to Sep. 30, 1973
02344325	**Morning Creek at Bethsaida Road, near Fairburn**	**33°33'41"**	**84°29'23"**	**11.1**	**Feb. 8, 2003 to current year**
02344350	**Flint River near Lovejoy**	**33° 24'56"**	**84° 23'05"**	**130**	**May 7, 1985 to current year**
02344478	**Shoal Creek at Shoal Creek Road, nearGriffin**	**33° 15'26"**	**84° 21'45"**	**11.80**	**Sep.18, 2003 to current year**
02344500	**Flint River near Griffin**	**33° 14'39"**	**84° 25'45"**	**272**	**Mar. 1, 1937 to current year**
02344700	**Line Creek near Senoia**	**33° 19'10"**	**84° 31'25"**	**101**	**Sep. 1, 1964 to current year**
02344872	**Flint River below Big Branch, near Molena**	**33° 03'07"**	**84° 31'31"**	**794**	**Jul. 1, 2004 to current year**
02345000	Flint River near Molena	32° 59'21"	84° 31'45"	990	Oct. 1, 1945 to Jun. 30, 1953
02345500	Flint River near Woodbury	32° 57'59"	84° 31'58"	1,090	Apr. 1, 1900 to Sep. 30, 1920
02346180	Flint River near Thomaston	32° 50'20"	84° 25'27"	1,220	May 21, 1966 to Sep. 30, 1992
02346310	**Potato Creek at County Line Road, near Orchard Hill**	**33° 11'14"**	**84° 13'46"**	**8.80**	**Sep. 19, 2003 to current year**
02346500	Potato Creek near Thomaston	32° 54'15"	84° 21'45"	186	Oct. 1, 1937 to Jun. 30, 1971
02347500	**Flint River near Culloden**	**32° 43'17"**	**84° 13'57"**	**1, 850**	**Jul. 1, 1911 to May 31, 1923**
					Jul. 21, 1928 to Dec. 31, 1931
					Mar. 18, 1937 to current year
02348500	Whitewater Creek near Butler	32° 28'02"	84° 15'59"	80.0	Oct. 1, 1943 to Sep. 30, 1951

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record		
02349000	Whitewater Creek below Rambulette Creek, near Butler	32° 28'00"	84° 15'58"	93.4	Oct. 1, 1951	to	Sep. 30, 1971
02349500	Flint River at Montezuma	32° 17'53"	84° 02'38"	2,900	Oct. 1, 1904	to	Dec. 31, 1909
					Jan. 1, 1911	to	Dec. 31, 1912
					Jul. 1, 1930	to	Sep. 30, 2002
02349605	**Flint River at GA 25, near Montezuma**	**32°17'35"**	**84°02'37"**	**2,920**	**Oct. 1, 2002**	**to**	**current year**
02349900	**Turkey Creek at Byromville**	**32° 11'44"**	**83° 54'03"**	**45.0**	**Jun. 20, 1958**	**to**	**current year**
02350000	Flint River near Vienna	32° 03'38"	83° 58'36"	3,390	Oct. 1, 1926	to	Sep. 30, 1930
02350080	**Lime Creek near Cobb**	**32° 02'02"**	**83° 59'47"**	**61.8**	**Apr. 30, 1983**	**to**	**Jan. 11, 1984**
					Mar. 1, 1993	**to**	**Feb. 21, 1996**
					May 30, 2001	**to**	**current year**
02350220	Gum Creek at Coney	31° 57'40"	83° 53'05"	73.0	Apr. 30, 1983	to	Jan. 11, 1984
02350300	Cedar Creek near Cordele	31° 54'45"	83° 51'18"	34.0	Apr. 30, 1983	to	Jan. 11, 1984
02350500	Flint River at Oakfield	31° 46'07"	83° 59'24"	3,860	Oct. 1, 1929	to	Dec. 31, 1958
02350512	**Flint River at GA 32, near Oakfield**	**31° 43'30"**	**84° 01'07"**	**3,880**	**May 1, 1987**	**to**	**current year**
02350600	Kinchafoonee Creek at Preston	32° 03'09"	84° 32'54"	197	Oct. 1, 1951	to	Sep. 30, 1977
02350900	**Kinchafoonee Creek near Dawson**	**31° 45'52"**	**84° 15'12"**	**527**	**Mar. 7, 1985**	**to**	**current year**
02351000	Kinchafoonee Creek near Leesburg	31° 43'10"	84° 11'08"	586	Apr. 1, 1906	to	Dec. 31, 1909
02351500	**Muckalee Creek near Americus**	**32°04'59"**	**84°15'29"**	**140**	**May 31, 2001**	**to**	**current year**
02351890	**Muckalee Creek at GA 195, near Leesburg**	**31° 46'34"**	**84° 08'22"**	**362**	**Dec. 15, 1979**	**to**	**current year**
02352500	**Flint River at Albany**	**31° 35'39"**	**84° 08'39"**	**5,310**	**Oct. 1, 1901**	**to**	**Jun. 30, 1921**
					Oct. 1, 1929	**to**	**current year**
02353000	**Flint River at Newton**	**31° 18'34"**	**84° 20'06"**	**5,740**	**Apr. 1, 1938**	**to**	**Sep. 30, 1945**
					Oct. 1, 1946	**to**	**Sep. 30, 1947**
					Jan. 1, 1949	**to**	**Sep. 30, 1950**
					Oct. 1, 1956	**to**	**current year**
02353265	**Ichawaynochaway Creek at GA 37, near Morgan**	**31°31'37"**	**84°34'58"**	**301**	**May 31, 2001**	**to**	**current year**
02353400	**Pachitla Creek near Edison**	**31° 33'17"**	**84° 40'43"**	**188**	**Jun. 9, 1959**	**to**	**Sep. 30, 1971**
					Mar. 24, 1988	**to**	**current year**
02353500	**Ichawaynochaway Creek at Milford**	**31° 22'58"**	**84° 32'52"**	**620**	**Sep. 1, 1905**	**to**	**Dec. 31, 1907**
					Oct. 1, 1939	**to**	**current year**
02354000	Alligator Creek near Milford	31° 21'17"	84° 33'58"	14.0	Jan. 1, 1942	to	May 31, 1952
02354410	**Chichasawhatchee Creek near Leary**	**31°30'13"**	**84°25'50"**	**157**	**Aug. 4, 2001**	**to**	**current year**
02354440	**Kiokee Creek near Pretoria**	**33° 30'13"**	**84° 22'01"**	**67.0**	**Jun. 20, 2001**	**to**	**current year**
02354500	**Chickasawhatchee Creek at Elmodel**	**31° 21'09"**	**84° 29'10"**	**320**	**Oct. 1, 1939**	**to**	**Dec. 31, 1949**
					Jul. 28, 1995	**to**	**current year**
02354800	**Ichawaynochaway Creek near Elmodel**	**31° 17'42"**	**84° 29'17**	**1,000**	**Apr. 15, 1995**	**to**	**current year**
02355000	Ichawaynochaway Creek near Newton	31° 16'00"	84° 29'00"	1,020	Aug. 10, 1937	to	Mar. 31, 1939
					Oct. 1, 1939	to	Sep. 30, 1947
02355350	**Ichawaynochaway Creek below Newton**	**31° 12'48"**	**84° 28'24"**	**1,040**	**Apr. 15, 1995**	**to**	**current year**
02355500	Big Cypress Creek near Milford	31° 15'15"	84° 36'18"	12.0	Jan. 1, 1942	to	Dec. 31, 1949
02355662	**Flint River at Riverview Plantation, near Hopeful**	**31°08'26"**	**84°28'49"**	**7,080**	**May 8, 2002**	**to**	**current year**
02356000	**Flint River at Bainbridge**	**30° 54'41"**	**84° 34'48"**	**7,570**	**Oct. 1, 1907**	**to**	**Dec. 31, 1913**
					Oct. 1, 1928	**to**	**Sep. 30, 1971**
					Oct. 1, 2001	**to**	**current year**
02356500	Long Branch near Damascus	31° 17'55"	84° 42'11"	18.0	Feb. 1, 1945	to	Dec. 31, 1949
02356980	Aycocks Creek near Boykin	31° 05'11"	84° 44'12"	105	Mar. 1, 1993	to	Sep. 30, 1995
02357000	**Spring Creek near Iron City**	**31° 02'23"**	**84° 44'18"**	**485**	**Jun. 11, 1937**	**to**	**Apr. 30, 1971**
					Dec. 20, 1976	**to**	**Sep. 30, 1978**
					Jun. 7, 1982	**to**	**current year**
02357150	**Spring Creek near Reynoldsville**	**30° 54'14"**	**84° 44'57"**	**623**	**May 24, 1996**	**to**	**current year**
02379000	Cartecay River near Cartecay	34° 38'19"	84° 24'32"	86.4	Jul. 1, 1904	to	Dec. 31, 1905
					Dec. 12, 1918	to	Jun. 30, 1921
02379500	Cartecay River near Ellijay	34° 40'53"	84° 27'20"	134	Mar. 17, 1937	to	Sep. 30, 1977
02380000	Ellijay River at Ellijay	34° 41'06"	84° 28'40"	87.7	May 4, 1907	to	Dec. 31, 1907
					Dec. 10, 1918	to	Jun. 30, 1921
					Feb. 26, 1953	to	Sep. 30, 1969
02380500	**Coosawattee River near Ellijay**	**34° 40'18"**	**84° 30'31"**	**236**	**Oct. 1, 1938**	**to**	**Dec. 31, 1949**
					Jun. 1, 1963	**to**	**current year**
02381000	Mountaintown Creek near Ellijay	34° 45'00"	84° 33'25"	31.5	Oct. 1, 1939	to	Dec. 31, 1942
02381500	Coosawattee River near Carters	34° 36'45"	84° 40'15"	374	Sep. 12, 1925	to	Dec. 10, 1931
					Oct. 1, 1961	to	Sep. 30, 1964
02381600	**Fausett Creek near Talking Rock**	**34° 34'17"**	**84° 27'55"**	**9.99**	**Oct. 1, 1974**	**to**	**current year**
02381950	Scarecorn Creek above Hinton	34° 27'11"	84° 33'28"	6.4	Jul. 22, 1986	to	Jan. 16, 1991
02382000	Scarecorn Creek at Hinton	34° 28'04"	84° 35'30"	21.3	Apr. 1, 1939	to	Dec. 31, 1942
					May 1, 1959	to	Sep. 30, 1974
					Aug. 1, 1986	to	Apr. 2, 1991

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02382200	**Talking Rock Creek near Hinton**	**34º 31'22"**	**84º 36'40"**	**119**	**Nov. 1, 1973 to current year**
02382300	Talking Rock Creek near Carters	34º 35'20"	84º 40'05"	142	Oct. 1, 1963 to Sep. 30, 1971
02382500	**Coosawattee River at Carters**	**34º 36'13"**	**84º 41'44"**	**521**	**Sep. 1, 1896 to Dec. 1, 1908**
					Dec. 21, 1918 to Sep. 30, 1923
					Oct. 1, 1961 to Sep. 7, 1972
					Oct. 1, 1974 to current year
02383000	Rock Creek near Fairmount	34º 21'32"	84º 46'46"	6.17	Oct. 1, 1951 to Sep. 30, 1974
02383500	**Coosawattee River near Pine Chapel**	**34º 33'51"**	**84º 49'59"**	**831**	**Nov. 11, 1938 to current year**
02384000	Conasauga River near Tennga	35º00'34"	84º 44'02"	108	May 27, 1929 to Dec. 31, 1931
					Oct. 1, 1943 to Dec. 31, 1947
02384500	**Conasauga River near Eton**	**34º 49'40"**	**84º 51'03"**	**252**	**Oct. 1, 1981 to current year**
02384540	**Mill Creek near Crandall**	**34º 52'19"**	**84º 43'17"**	**8.27**	**Jan. 30, 1985 to current year**
02385000	Coahulla Creek near Varnell	34º 53'43"	84º 55'15"	86.7	Oct. 1, 1939 to Dec. 31, 1942
02385500	Mill Creek at Dalton	34º 47'18"	84º 58'30"	40.1	Aug. 1, 1943 to Sep. 30, 1959
02385800	**Holly Creek near Chatsworth**	**34º 43'00"**	**84º 46'12"**	**64.0**	**Jun. 1, 1960 to current year**
02386000	Rock Creek at Ramhurst	34º 42'42"	84º 44'03"	16.5	Apr. 1, 1939 to Jun. 30, 1940
02386500	Drowning Bear Creek near Dalton	34º 43'30"	84º 56'12"	13.9	Apr. 1, 1939 to Jun. 30, 1940
02387000	**Conasauga River at Tilton**	**34º 40'00"**	**84º 55'42"**	**687**	**Jun. 5, 1937 to current year**
02387500	**Oostanaula River at Resaca**	**34º 34'42"**	**84º 56'29"**	**1,600**	**Nov. 1, 1892 to current year**
02388000	West Armuchee Creek near Subligna	34º 34'04"	85º 09'16"	36.4	Apr. 1, 1939 to Jun. 30, 1940
					May 1, 1960 to Apr. 27, 1982
02388300	Heath Creek near Rome	34º 21'57"	85º 16'17"	14.7	May 9, 1968 to Sep. 30, 1989
02388320	**Heath Creek near Armuchee**	**34º 22'18"**	**85º 15'50"**	**16.6**	**Mar. 2, 1982 to current year**
02388500	**Oostanaula River near Rome**	**34º 18'02"**	**85º 08'30"**	**2,120**	**Oct. 1, 1939 to current year**
02389000	Etowah River near Dawsonville	34º 22'57"	84º 03'21"	107	Mar. 20, 1940 to Sep. 30, 1976
02389150	**Etowah River at GA 9, near Dawsonville**	**34º21'26"**	**84º06'49"**	**131**	**Jun. 12, 2002 to current year**
02389300	Shoal Creek near Dawsonville	34º 25'13"	84º 08'47"	21.7	Jun. 1, 1958 to Sep. 30, 1974
02389500	East Amicalola Creek at Juno	34º 28'28"	84º 11'55"	28.5	Apr. 1, 1939 to Sep. 30, 1942
02390000	Amicalola Creek near Dawsonville	34º 25'32"	84º 12'43"	89.0	Apr. 1, 1939 to May 31, 1952
02390500	Long Swamp Creek near Ballground	34º 19'36"	84º 20'41"	76.6	Oct. 1, 1918 to Sep. 30, 1921
02391000	Etowah River near Ballground	34º 19'05"	84º 20'35"	477	Apr. 1, 1907 to Dec. 31, 1915
					Oct. 1, 1918 to Sep. 30, 1921
02391500	Sharp Mountain Creek near Ballground	34º 20'15"	84º 24'26"	63.8	Apr. 1, 1939 to Jun. 30, 1940
02392000	**Etowah River at Canton**	**34º 14'23"**	**84º 29'47"**	**613**	**Oct. 1, 1896 to Sep. 30, 1905**
					Oct. 1, 1936 to current year
02392500	Little River near Roswell	34º 07'09"	84º 23'18"	60.0	Jan. 1, 1947 to Sep. 30, 1976
02392950	**Noonday Creek at Hawkins Store Road, near Woodstock**	**34º03'23"**	**84º32'08"**	**24.3**	**Jul. 14, 1998 to current year**
02392975	**Noonday Creek at Shallowford Road, near Woodstock**	**34º04'06"**	**84º32'08"**	**33.6**	**Jul. 14, 1998 to current year**
02394000	**Etowah River at Allatoona Dam, above Cartersville**	**34º 09'47"**	**84º 44'28"**	**1,120**	**Sep. 1, 1938 to current year**
02394950	Hills Creek near Taylorsville	34º 04'27"	84º 57'02"	25.0	May 21, 1959 to Sep. 30, 1974
02395000	Etowah River near Kingston	34º 12'24"	84º 58'44"	1,630	Jul. 8, 1928 to Dec. 31, 1931
					Oct. 1, 1936 to Oct. 23, 1995
02395120	**Two Run Creek near Kingston**	**34º 14'34"**	**84º 53'23"**	**33.1**	**May 2, 1980 to current year**
02395500	Dykes Creek near Rome	34º 15'30"	85º 05'01"	14.9	Jan. 1, 1939 to Dec. 31, 1942
02395980	**Etowah River at GA 1 Loop, near Rome**	**34º 13'56'**	**85º 07'01"**	**1,801**	**Oct. 1, 1994 to current year**
02396000	Etowah River at Rome	34º 15'26"	85º 09'30"	1,820	Aug. 1, 1904 to Jun. 30, 1921
					Oct. 1, 1938 to Sep. 30, 1994
02397000	**Coosa River near Rome**	**34º 12'01"**	**85º 15'24"**	**4,040**	**Oct. 1, 1896 to Dec. 31, 1903**
					Jun. 21, 1928 to Dec. 31, 1931
					Mar. 10, 1937 to Dec31, 1958
					Oct. 1, 1962 to current year
02397410	Cedar Creek at Cedartown	33º 59'45"	85º 15'53"	66.9	May 4, 1981 to Oct. 2, 1997
02397500	Cedar Creek near Cedartown	34º 03'38"	85º 18'41"	115	Oct. 1, 1942 to Sep. 30, 1973
02397830	Harrisburg Creek near Hawkins	34º 36'02"	85º 23'21"	13.3	Oct. 1, 1979 to Sep. 30, 1982
02398000	**Chattooga River at Summerville**	**34º 28'03"**	**85º 20'19"**	**192**	**Mar. 11, 1937 to current year**
02411800	Little River near Buchanan	33º 47'50"	85º 07'05"	20.2	Jun. 1, 1959 to Sep. 30, 1985
02413000	Little Tallapoosa River at Carrollton	33º 35'50"	85º 04'49"	95.1	Apr. 1, 1937 to Dec. 31, 1955
03544947	**Brier Creek near Hiawassee**	**34º 50'05"**	**83º 42'34"**	**1.67**	**May 25, 1984 to current year**
03545000	Hiawassee River at Presley	34º 54'17"	83º 43'01"	45.5	Dec. 1, 1941 to Mar. 31, 1982
03545500	Hightower Creek near Presley	34º 54'59"	83º 41'55"	32.4	Dec. 1, 1941 to Sep. 30, 1945
03550500	Nottely River near Blairsville	34º 50'28"	83º 56'10"	74.8	Jan. 23, 1942 to Mar. 31, 1982
03551000	Coosa Creek near Blairsville	34º 51'05"	83º 59'35"	21.1	Dec. 12, 1941 to Sep. 30, 1945
03551500	Youngcane Creek near Youngcane	34º 52'41"	84º 03'57"	27.6	Jan. 21, 1942 to Sep. 30, 1945
03552000	Ivylog Creek near Ivylog	34º 56'26"	84º 01'27"	16.7	Feb. 14, 1942 to Sep. 30, 1945
03552500	Nottely River near Ivylog	34º 55'32"	84º 03'39"	191	Oct. 1, 1936 to Jan. 31, 1942
03553500	Nottely River at Nottely Dam near Ivylog	34º 57'55"	84º 05'25"	215	Jul. 1, 1942 to Sep. 30, 1975
03558000	Toccoa River near Dial	34º 47'24"	84º 14'24"	177	Jan. 1, 1913 to Oct. 1, 1996

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record		
03559000	Toccoa River near Blue Ridge	34° 53'14"	84° 17'07"	233	Oct. 1, 1898	to	Mar. 31, 1903
					Apr. 1, 1913	to	Aug. 31, 1974
03560000	Fightingtown Creek at McCaysville	34° 58'53"	84° 23'12"	70.9	Nov. 1, 1942	to	Sep. 30, 1971
03567129	Mill Creek near Cedar Grove	34° 42'57"	85° 25'59"	5.62	Jul. 24, 1986	to	Mar. 31, 1988
03568500	Chattanooga Creek near Flintstone	34° 58'20"	85° 19'40"	50.6	Jan. 1, 1951	to	Sep. 30, 1974
03568782	Hurricane Creek near Rising Fawn	34° 45'48"	85° 30'12"	4.28	Jul. 25, 1986	to	May 31, 1987
03568933	**Lookout Creek near New England**	**34° 53'51"**	**85° 27'47"**	**149**	**Aug. 30, 1979**	**to**	**current year**
03569000	Lookout Creek near Wildwood	34° 57'22"	85° 24'12"	165	Aug. 7, 1945	to	Feb. 28, 1946
					Apr. 1, 1946	to	Aug. 15, 1946

Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter (mm)
	2.54×10^{-2}	meter (m)
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^{0}	kilometer (km)
	Area	
acre	4.047×10^{3}	square meter (m^2)
	4.047×10^{-1}	square hectometer (hm^2)
	4.047×10^{-3}	square kilometer (km^2)
square mile (mi^2)	2.590×10^{0}	square kilometer (km^2)
	Volume	
gallon (gal)	3.785×10^{-6}	liter (L)
	3.785×10^{-3}	cubic meter (m^3)
	3.785×10^{-3}	cubic decimeter (dm^3)
million gallons (Mgal)	3.785×10^{3}	cubic meter (m^3)
	3.785×10^{-3}	cubic hectometer (hm^3)
cubic foot (ft^3)	2.832×10^{-2}	cubic meter (m^3)
	2.832×10^{1}	cubic decimeter (dm^3)
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter (m^3)
	2.447×10^{-3}	cubic hectometer (hm^3)
acre-foot (acre-ft)	1.233×10^{3}	cubic meter (m^3)
	1.233×10^{-3}	cubic hectometer (hm^3)
	1.233×10^{-6}	cubic kilometer (km^3)
	Flow rate	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m^3/s)
	2.832×10^{1}	cubic decimeter per second (dm^3/s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m3/s)
	6.309×10^{-2}	cubic decimeter per second (dm^3/s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second (m^3/s)
	4.381×10^{1}	cubic decimeter per second (dm^3/s)
	Mass	
ton (short)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8 \times °C) + 32$$