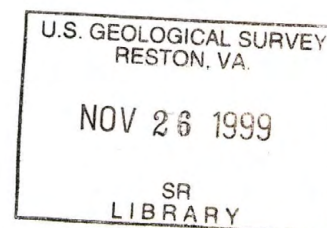


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Water Resources Data Georgia Water Year 1998

Water-Data Report GA-98-1



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



Prepared in cooperation with the
State of Georgia
and with other agencies

CALENDAR FOR WATER YEAR 1998

1997

[illegible]

1998

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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4	5	6	7	8	9	10	8	9	10	11	12	13	14	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21	15	16	17	18	19	20	21
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Water Resources Data Georgia Water Year 1998

By W.R. Stokes III and R.D. McFarlane

Water-Data Report GA-98-1



U.S. DEPARTMENT OF THE INTERIOR
BRUCE BABBITT, Secretary

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

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

District Chief, Water Resources Division
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Atlanta, GA 30360-2824

PREFACE

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

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

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SURFACE WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

[Letters after station names designate type of data: (d) discharge; (g) gage height; (c) chemical;
(m) microbiological, (s) sediment; and continuously monitored water-quality characteristics;
(k) specific conductance; (h) pH; (t) water temperature; and (o) dissolved oxygen

	Station number	Page
SAVANNAH RIVER BASIN		
North Fork Chattooga River (head of Savannah River) near Pine Mountain (cm)	02176940	31
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SURFACE WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED--Continued

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DECATUR COUNTY		
Well 305736084355801, Local number 09F520	305736084355801	652
DOUGHERTY COUNTY		
Well 313530084203202, Local number 11L001	313530084203202	653
Well 313554084062501, Local number 13L002	313554084062501	654
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Well 334207084254801, Local number 10DD02	334207084254801	655
GLYNN COUNTY		
Well 311007081301702, Local number 33H133	311007081301702	656
LAURENS COUNTY		
Well 322652083033001, Local number 21T001	322652083033001	657
WALKER COUNTY		
Well 345403085160001, Local number 03PP01	345403085160001	658

PRECIPITATION STATIONS, BY COUNTY, FOR WHICH RECORD IS PUBLISHED
PRECIPITATION-QUALITY RECORD

TIFT COUNTY		
Tifton-ARS NADP/NTN station near Chula	313106083325450	659

INTRODUCTION

Water resources data for the 1998 water year for Georgia consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and ground-water levels published in one volume. This volume contains discharge records of 119 gaging stations; stage for 22 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 249 continuing-record stations; peak stage and discharge only for 76 crest-stage partial-record stations; and water levels of 24 observation wells. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

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

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

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report GA-97-1." These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Office at the address given on the back of the title page.

COOPERATION

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

Georgia Department of Natural Resources, Joe D. Tanner, Commissioner	City of Helena
Georgia Department of Transportation, Wayne Shackelford, Commissioner	City of Macon
Bibb County	City of Moultrie
Glynn County	City of Springfield
Gwinnett County	City of Thomaston
City of Albany	City of Valdosta
City of Attapulgus	Albany Water, Gas and Light Commission
City of Blairsville	Atlanta Regional Commission
City of Brunswick	Cherokee County Water and Sewerage Authority
City of Covington	Clayton County Water Authority
	Macon-Bibb County Water and Sewerage Authority
	Monroe Water, Light and Gas Commission

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

U.S. Army Corps of Engineers
U.S. Department of Agriculture, Agricultural Research Service
Tennessee Valley Authority
U.S. Department of Commerce
National Weather Service
National Oceanic and Atmospheric Administration

The following organizations aided in collecting records:

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

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Annual runoff for most streamflow stations statewide was about 150 percent above normal due to effects from the El Nino weather phenomena. The only exceptions were for streamflow stations in parts of the northern third of Georgia where streamflows were near or slightly below normal. Above average precipitation for about the first eight months of the 1998 water year helped to sustain streamflow throughout most of the State. The ratios of runoff during the water year as compared to long-term runoff ranged from 262 percent of normal to 84 percent of normal. For rural unregulated streams with more than 15 years of record, runoff during the 1998 water year ranged from more than 200 percent of normal for twenty streamflow stations in central and southern Georgia to less than 85 percent of normal for four streamflow stations in the northern part of the State.

From late October 1997 through May 1998, monthly mean flow for streamflow stations in central and southern Georgia was about 250 percent above normal. Monthly streamflow in the northern part of the State was about 135 percent above normal. When compared to normal streamflow conditions, the lowest flows in the central and southern parts of Georgia occurred in July and August, and lowest flows occurred in July and September in the northern part of the State. In central Georgia, July flow averaged about 59 percent of normal and August flow averaged less than 75 percent of normal. Across southern Georgia, July and August flows were the lowest, averaging about 17 and 29 percent of normal, respectively. During July and September, monthly mean flow for streamflow stations across northern Georgia, were about 70 and 58 percent of normal, respectively. Figure 1 shows monthly discharges and yearly mean discharges for the 1998 water year and the median monthly and yearly mean discharges for 1961-90 at three representative long-term gaging stations.

During the year, significant high-flow events occurred during March 8-18, 1998. Heavy rains fell over most of central and southwest Georgia on March 3-4 and again on March 7-9, 1998. Maximum rainfall amounts for March 7-9 totaled as much as 8-10 inches in certain areas of southwestern Georgia. Most of the other flood affected areas received about 5-8 inches of rain for the three-day period. This heavy rainfall on already saturated ground caused flooding in the Savannah, Ogeechee, Altamaha, Satilla, Suwannee, and Flint River basins, and localized urban flooding in the Atlanta area. The most notable aspects of the flooding were—8 new peaks of record were recorded during this flood event; at least 9 active streamflow stations had recurrence intervals of 100-years or greater; and 5 counties in southwestern Georgia were declared Federal Disaster Areas, with property damages well in the millions of dollars.

Peak discharges on many streams in central and southwestern Georgia had recurrence intervals ranging from around 10 years to greater than 100 years. The most significant flooding in southwest Georgia occurred in the Flint River basin, with numerous streams having recurrence intervals ranging from around 25 years to greater than 100 years. New peaks of record were recorded at Spring Creek at Colquitt of 15.91 feet, and at Spring Creek near Iron City of 24.65 feet. Peak-flow data have been collected at these gages for the past 17 and 56 years, respectively.

In central Georgia, the most significant flooding occurred in the Altamaha River basin. Several streams in the basin had recurrence intervals ranging from about 10 years to greater than 100 years. New peaks of record were recorded on 4 streams in the basin. These streamflow stations are fairly new, having only 6 to 15 years of peak-flow data available.

Most streams throughout the State had minimum flows with recurrence intervals of about 5 years or less, although five stations scattered across the southern part of the State experienced minimum flows with a recurrence interval of 10 to 20 years. The most notable minimum flows were between 20- and 30-year recurrence intervals at Spring Creek near Iron City and Ichawaynochaway Creek at Milford. These agricultural areas use extensive surface- and ground-water withdrawal for irrigation. These two stations also experienced greater than 100-year floods about four months earlier. In east-central and southeastern Georgia, a few stations had minimum-flow recurrence intervals of 10-20 years. The most notable minimum flow occurrence was the 20-year recurrence interval for at Satilla River at Waycross, with a drainage area of approximately 1,200 square miles (mi²).

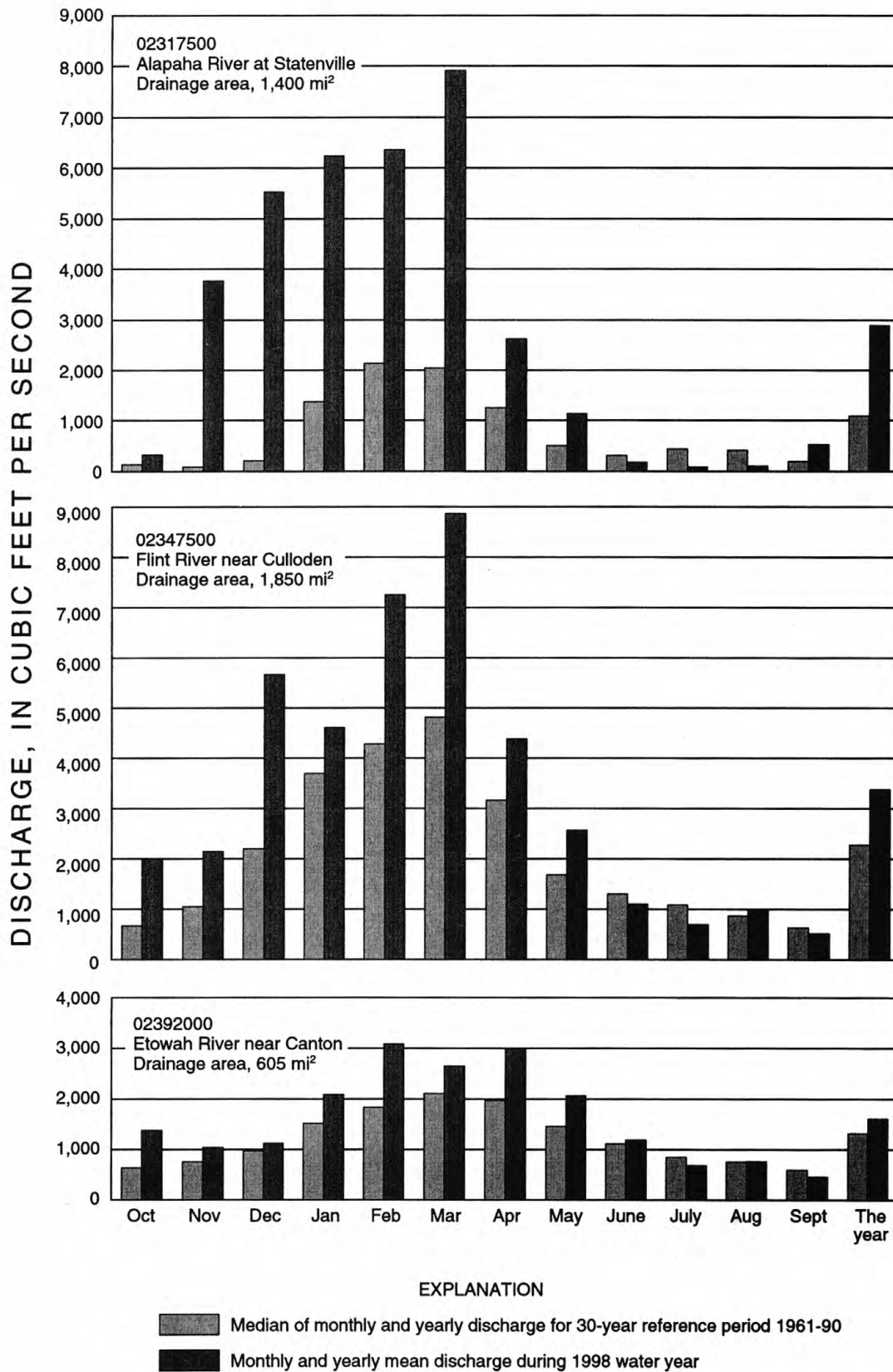


Figure 1. Comparison of discharge at three representative long-term gaging stations during 1998 water year with median discharge for 30-year reference period, 1961–90.

Water Quality

In cooperation with the Environmental Protection Division (EPD) of the Georgia Department of Natural Resources, continuing chemical-quality network data collection continued through the water year according to the river-basin management planning approach to water protection as adopted by the EPD. The basin management plan is in its fourth year of implementation and for most water-quality network stations data are collected monthly on a calendar-year basis. During water year 1998, the last three months of samples were obtained for stations in the Savannah and Ogeechee River basins, the third basin group selected for data collection. Data collected in the Satilla, St Marys, Suwannee, and Ochlockonee River basins, the fourth basin group selected for data collection during the 1998 calendar year will be presented in a separate report entitled, "Surface-water quality data collected in the Satilla, St Marys, Suwannee, and Ochlockonee River basins in Georgia, 1998". Data were also obtained for 12 samples at each of 37 "core" stations, long-term stations scattered over the State and sampled monthly, some of which are located in the two basin groups noted above. This report contains all data collected during the 1998 water year for the continuing chemical-quality network, and other data collected in cooperation with the EPD and in support of river-basin water-resources planning and management. These data are also supplemented by data from other Water Resources Division water-quality programs such as National Water-Quality Assessment (NAWQA). Large parts of the Georgia-Florida Coastal Plain and Apalachicola-Chattahoochee-Flint basin NAWQA study units are located in Georgia.

Ground Water

Mean ground-water levels for 9 observation wells in Georgia ranged from 5.4 feet (ft) lower to 4.1 ft higher in the 1998 water year than in the 1997 water year. In northern Georgia, mean water levels in well 10DD02 in Fulton County in the crystalline rock aquifers were 0.5 ft higher in 1998 than in 1997. Mean water levels in well 03PP01 in Walker County in a Paleozoic-rock aquifer were 1.5 ft lower in 1998 than in 1997. Mean water levels in four wells completed in the Upper Floridan aquifer were from 0.7 to 4.1 ft higher in 1998 than in 1997. In Chatham County, mean water levels in well 35P094 in the surficial aquifer were 1.6 ft higher in 1998 than in 1997. Mean water levels in well 13L002 (Dougherty County) in the Clayton aquifer of southwestern Georgia were 5.4 ft lower in 1998 than in 1997. Mean water levels in well 11L001 (Dougherty County) in the Claiborne aquifer were about the same in 1998 as in 1997.

Additional information concerning ground-water-level fluctuations in the State can be found in U.S. Geological Survey Open-File reports entitled, "Ground-water Conditions in Georgia, 1997", which includes data for calendar year 1997, and "Ground-water Conditions in Georgia, 1998", which includes data for calendar year 1998.

Water Use

The Georgia Water-Use Program, a joint project between the U.S. Geological Survey and the Georgia Department of Natural Resources, Environmental Protection Division, Georgia Geologic Survey, has focused on the use of water in the State since 1977. The primary purpose of the program is to collect, compile, and disseminate data on the principal water users in Georgia. Water-use data, compiled by various Federal, State and local agencies, are combined into a centralized data base known as the Georgia Water Use Data System (GWUDS). GWUDS contains permitted water-use information on public-supply, industrial and commercial, thermoelectric, and hydroelectric uses, from 1980-97. USGS estimates water withdrawals for irrigation use by inches of water applied per crop and acres; domestic water use by population and per capita; and livestock water use by animal.

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

Reported off-stream withdrawals for the water-use categories of thermoelectric, public supply, and industrial and commercial totaled about 5,227 million gallons per day (Mgal/d) in 1998. Eighteen thermoelectric plants, the largest water users in Georgia, withdrew about 3,356 Mgal/d in 1998, mostly from surface-water sources, 246 Mgal/d more than in 1997. Permitted withdrawals by public-supply systems totaled about 1,100 Mgal/d, of which about 82 percent of the public-supply withdrawals were from surface-water sources. Permitted withdrawals by industrial and commercial users totaled about 770 Mgal/d, about 15 Mgal/d more than in 1997. The major types of industrial users in Georgia include paper, textiles, chemicals, stone and clay, and mining.

In 1998, hydroelectric power generation, the only in-stream use compiled by the Georgia Water-Use Program, totaled about 51,000 Mgal/d (51 billion gallons per day) for 38 permitted hydroelectric plants in Georgia.

SPECIAL NETWORKS AND PROGRAMS

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

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

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

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

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

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

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

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

Explanation of Records

The surface-water and ground-water records published in this report are for the 1998 water year that began on October 1, 1997, and ended September 30, 1998. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and contents data for lakes and reservoirs, water-quality data for surface water, ground-water-level data, and precipitation-quality data. The locations of the stations and wells where the data were collected are shown in figures 6-9. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indentation in the "List of Stations" in the front of this report. Each indentation represents one rank. This downstream order and system of indentation show in stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

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

Latitude-Longitude System

The identification numbers for wells and other off-stream sites, such as rain gages, are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid as shown in figure 2. This site-identification number, once assigned, is a pure number, and has no location significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description.

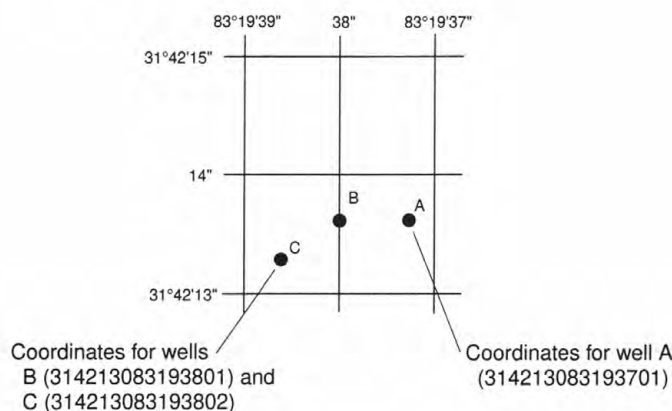


Figure 2. System for numbering wells and other off-stream sites (latitude and longitude).

Records of Stage and Water Discharge

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

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous peak discharge at selected sites or of measurements from specific studies, such as low-flow seepage studies, may be considered as partial records and these are presented under the appropriate heading. Locations of all complete-record and crest-stage partial-record stations for which data are given in this report are shown in figures 3 and 4.

Data Collection and Computation

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

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

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

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

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

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

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

Data Presentation

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

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

Station manuscript

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

A table titled "*SUMMARY STATISTICS*" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS _____-_____, " will consist of all of the station

record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (See line headings below.), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

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

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

Other Records Available

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

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

Records of Surface-Water Quality

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

Classification of Records

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

A careful distinction needs to be made between "continuing records", as used in this report, and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface-water appear in this report are shown in figure 6.

On-Site Measurements and Sample Collection

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

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

Water Temperature

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

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

Sediment

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

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

Laboratory Measurements

Samples for indicator bacteria are analyzed locally. Samples for the National Stream-Quality Accounting Network, the Hydrologic Benchmark Network (see definitions), and several long-term trend stations are analyzed in the U.S. Geological Survey laboratory in Arvada, Co. All sediment samples are analyzed by the Alabama District Sediment Laboratory or the Pennsylvania District Sediment Laboratory. Georgia Environmental Protection Division (EPD) network samples are analyzed by the Laboratory Services Section, Georgia Department of Natural Resources, Environmental Protection Division, and this is so stated in the

"Remarks" section of the station description. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

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

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

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

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

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

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

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

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

Remark Codes

The remark codes that may appear with the water-quality data in this report are as follows:

PRINTED OUTPUTREMARK

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

Records of Ground-Water Levels

Water-level data from National and State networks of observation wells are given in this report. These data are intended to provide a sampling and historical record of water-level changes in the State's most important aquifers. Locations of the observation wells in this report are shown in figure 6.

Although, in this report, records of water levels are presented for fewer than 10 wells, records are obtained through cooperative efforts of many Federal, State, and local agencies for about 1,400 wells throughout Georgia and are placed in computer storage. Each spring, the Georgia District and the Georgia Department of Natural Resources, Environmental Protection Division, Geologic Survey Branch, publish a report for the previous calendar year entitled "Ground-Water Conditions for Georgia, 199_". This report contains hydrographs of recorder wells, detailed maps showing water levels from the previous year, and other useful items. Information about the availability of the data in the water-level file may be obtained from the District Chief, U.S. Geological Survey, Georgia District.

Data Collection and Computation

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

Tables of water-level data are presented alphabetically by county. The primary identification number for a given well is the 15-digit number that appears in the first line of the manuscript. The secondary identification number is the Local well number, derived according to a well-numbering system developed by the Georgia District Office, WRD, and based on the USGS index of 7 $\frac{1}{2}$ -minute topographic maps for Georgia. A matrix has been created to assign an alphanumeric designation to each topographic map in the State, with the column of maps covering the western-most portion of the State assigned the number "01" and the row of maps covering the southern-most portion of the State assigned the letter "A". Column numbers increase sequentially from west to east, and row letters advance alphabetically from south to north. Rows north of "Z" are designated by double letters; AA, BB, and so forth. The letters "I", "O", "II", and "OO" are not used. Each well in each 7 $\frac{1}{2}$ -minute quadrangle has been assigned a six-character designation consisting first of the column number, then of the row letter, or letters, of the quadrangle in which the well is located. The remaining digits of the local well number are assigned chronologically. The first well inventoried within the boundaries of a quadrangle is number 1. The number 1 is preceded by two zeros if the well is located on a quadrangle with a single-letter designation, and it is preceded by one zero if the well is located on a quadrangle with a double-letter designation. For example, the first well inventoried in the 08G quadrangle is designated the local well number 08G001, or the fourth well inventoried in the 11AA quadrangle is designated the local well number 11AA04.

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

Data Presentation

Each well record consists of three parts, the station description, graphs of the water levels for the period of record and current water year, and a summary of water levels for the current water year consisting of the "MEAN", the average water level in feet for each month; the "LOW" and "HIGH", the lowest and highest daily mean water levels, respectively, for each month; and the annual water year mean water level based on available data and the highest and lowest water levels of the water year and their dates of occurrence are shown on the line below the monthly summary. If missing record occurs during the water year, it is implied that the highest and lowest water levels are the highest and lowest recorded water levels of the water year.

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

SITE NAME.--This entry furnishes the well owner's name and well designation, if any.

INSTRUMENTATION.--This entry identifies the type of instrumentation currently in use.

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

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

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) mean sea level; it is reported with a precision depending on the method of determination.

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

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

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

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

Records of Precipitation Quality

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

On-Site Measurements and Sample Collection

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

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

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

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

Data presentation

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

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

PERIOD OF RECORD.--This indicates the periods for which there are published precipitation-quality records for the station. Periods of record are presented separately for each type of sample collected at the site (in this report, either wet precipitation, bulk precipitation, or both).

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

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

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

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

ACCESS TO USGS WATER DATA

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

<http://water.usgs.gov>

Some water-quality and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3-1/2 inch floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division District Offices (See address on the back of the title page).

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

Total coliform bacteria are a group of bacteria used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

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

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

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

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m³), and periphyton and benthic organisms in grams per square meter (g/m²).

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

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

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

Bottom material: See Bed material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Dissolved is that material in a water sample which passes through a $0.45 \mu\text{m}$ membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

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

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

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

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent concentration of calcium carbonate (CaCO_3).

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

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

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

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

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

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

Micrograms per gram ($\mu\text{g/g}$) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter ($\mu\text{g/L}$, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of solution. One thousand micrograms per liter is equivalent to one milligram per liter.

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

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

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

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

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

Organism is any living entity.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Milligrams of oxygen per area or volume per unit time [$\text{mg O}_2/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and $\text{mg O}_2/(\text{m}^3 \cdot \text{time})$ for phytoplankton are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light- and dark-bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either hour or day, depending on the incubation period.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PUBLICATIONS OF TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

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

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

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

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

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

2-E2. *Borehole geophysics to water-resources investigations*, by W.S. Keys and L.M. McCary: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

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

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

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

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

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

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

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

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

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

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- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
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- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
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- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.
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- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
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- 9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom Material Samples*, by D.B. Radtke: USGS--TWRI Book 9, Chapter 8. 1998. 48 pages.
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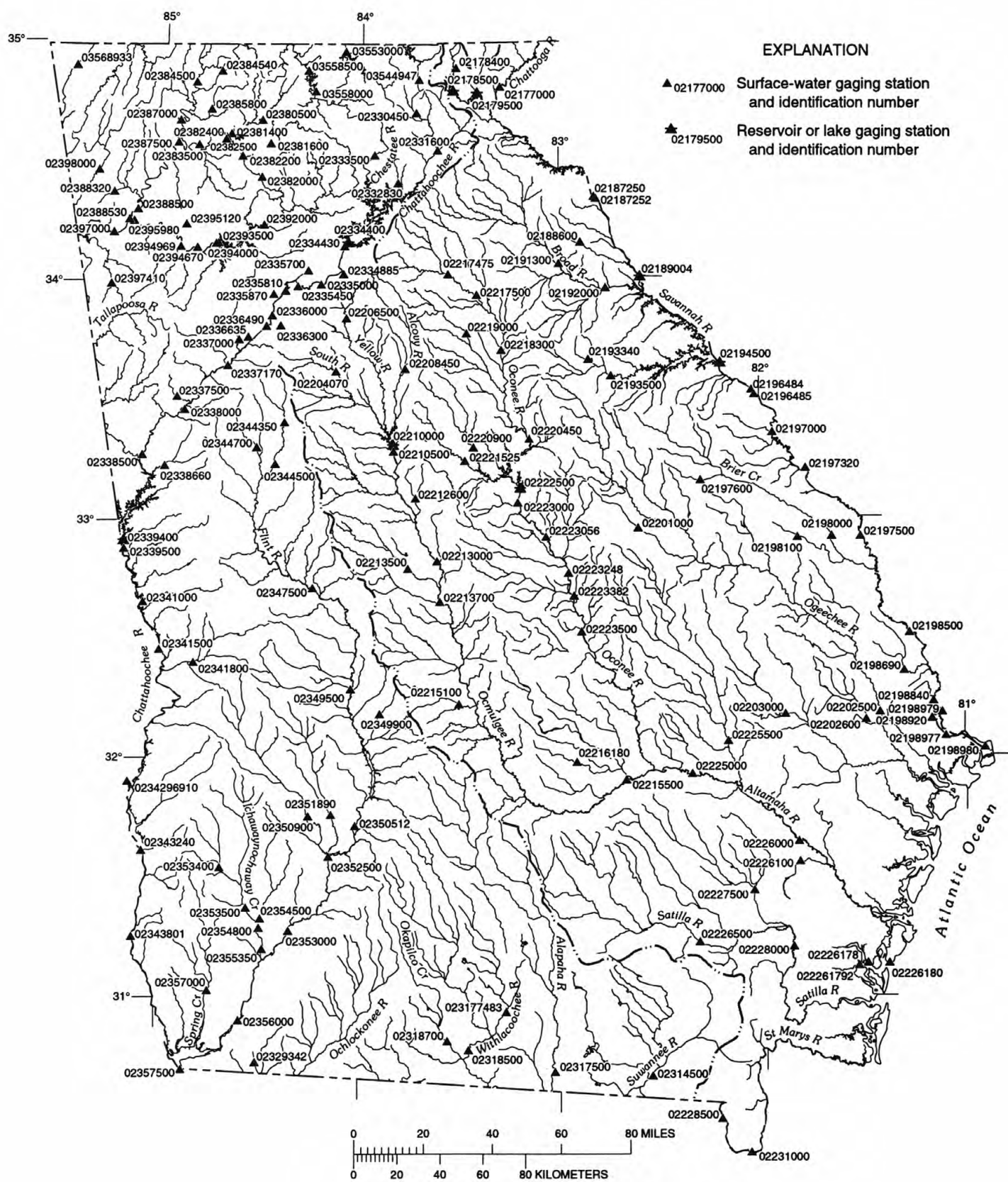
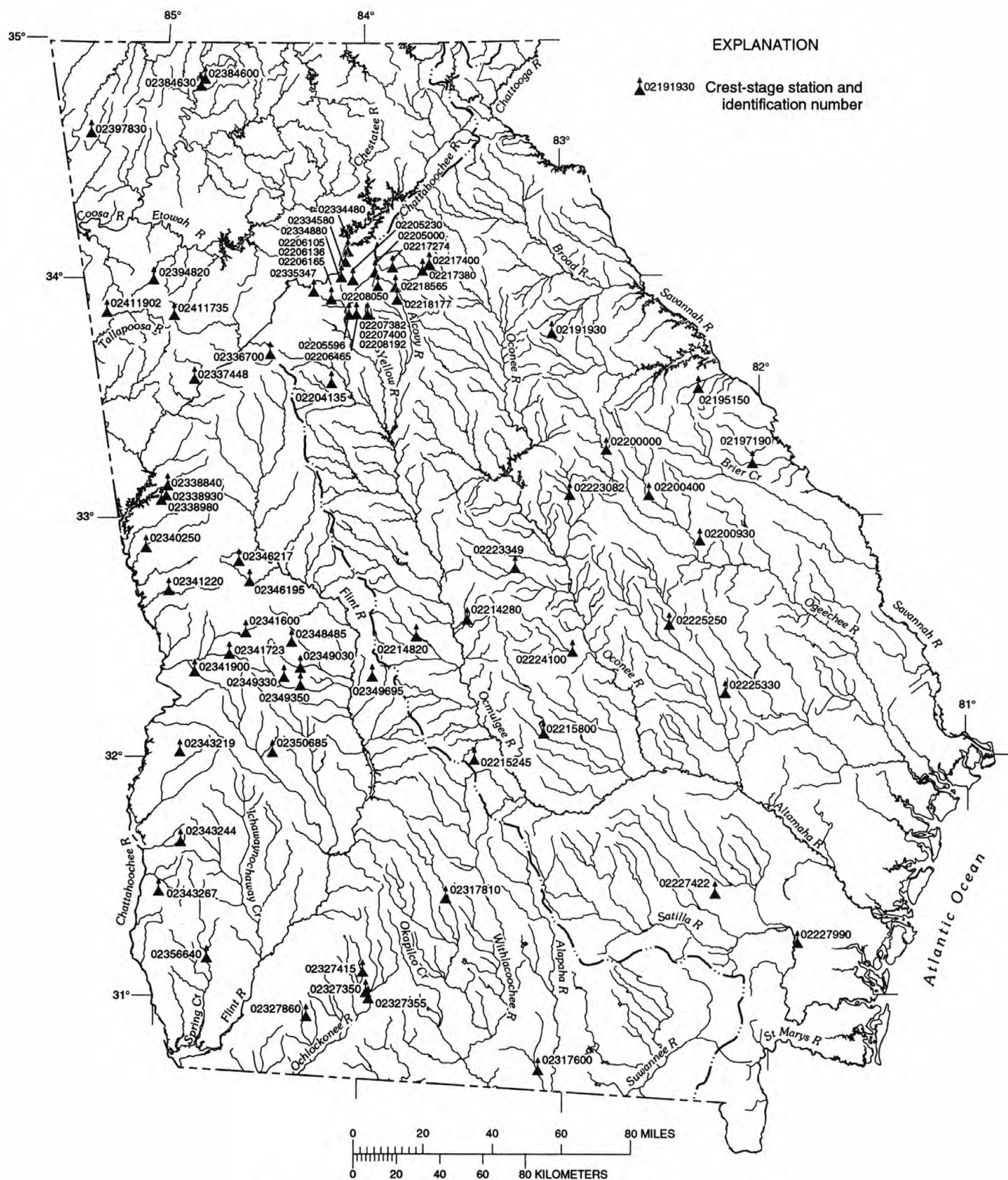


Figure 3. Location of gaging stations.



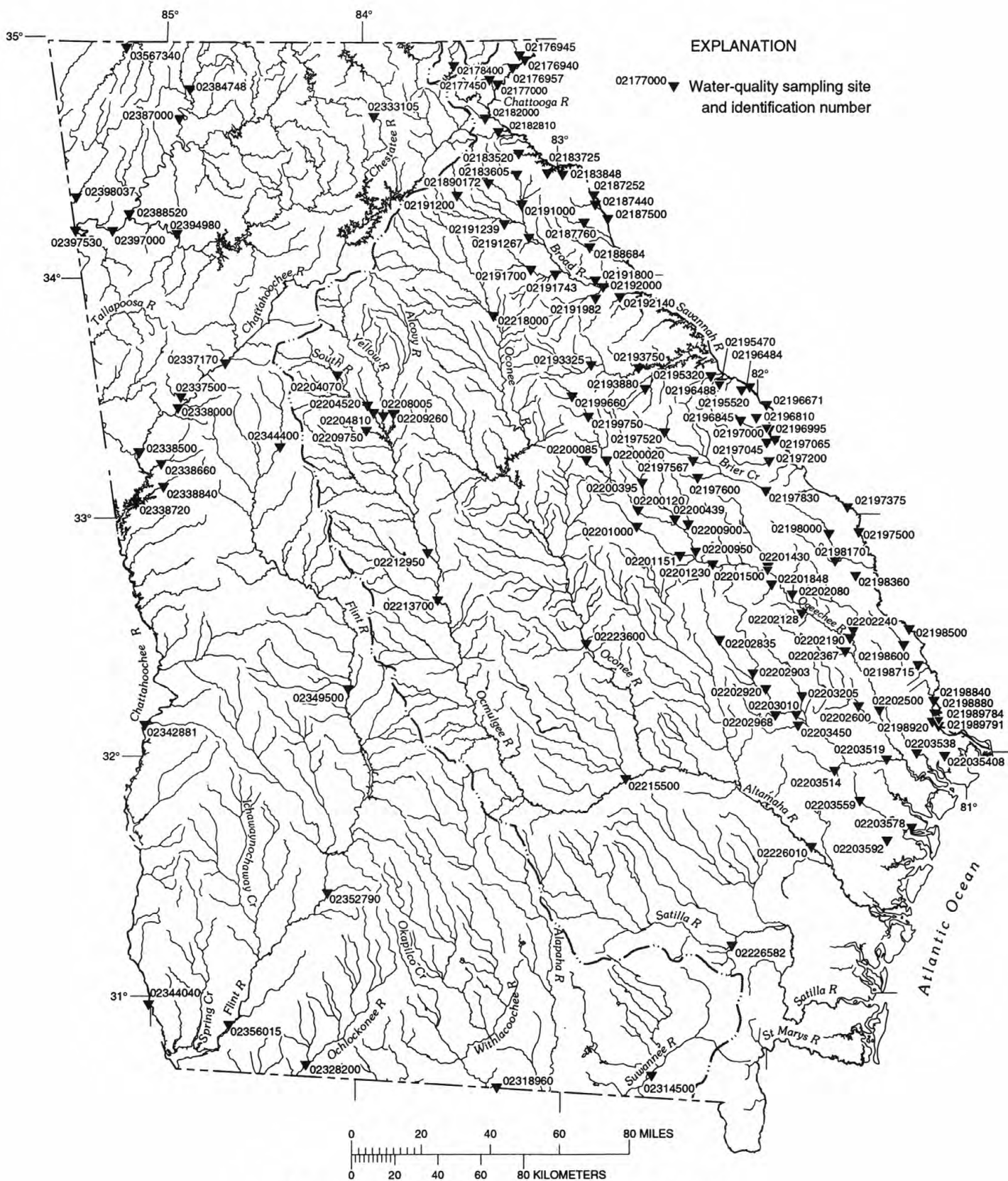




Figure 6. Location of selected observation wells.

WATER RESOURCES DATA, GEORGIA 1998

SURFACE-WATER RECORDS

Remark Codes

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

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

Change in National Trends Network procedures: The sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994 in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and are not directly comparable. A tabular summary of the differences based on a special intercomparison study is available from the NADP/NTN Coordination Office, Colorado State University, Fort Collins, Colorado 80523.

Dissolved Trace-Element Concentrations: Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter ($\mu\text{g/L}$) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Present data above the $\mu\text{g/L}$ level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey will begin using new trace-element protocols in water year 1996.

Field blank: a blank solution that is subjected to all aspects of sample collection, field processing, preservation, transportation and laboratory handling as an environmental sample.

HYDROLOGIC-DATA STATION RECORDS

SAVANNAH RIVER BASIN

02176940 NORTH FORK CHATTOOGA RIVER NEAR PINE MOUNTAIN, GA.

LOCATION.--Lat 34°55'09", long 83°10'07", Rabun County, Hydrologic Unit 03060102, at downstream side of bridge on State Highway 28, 0.2 mi upstream from West Fork Chattooga River, 1.9 mi southeast of Pine Mountain, and 2.5 mi upstream from Reed Creek.

DRAINAGE AREA.--66.2 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	1505	81341	174	12	13	6.7	6.8	10.0	21.0	11.0	103
NOV 13...	1040	81341	152	12	14	6.8	6.4	7.7	9.5	10.9	97
DEC 04...	0915	81341	216	13	14	6.7	6.4	8.0	8.5	10.9	98

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81341	1.0	<1.0	6	6	2	<.020	<.030	<.020	1.0
NOV 13...	81341	1.0	<1.0	6	5	4	<.020	<.030	<.020	1.0
DEC 04...	81341	1.0	<1.0	2	5	2	<.020	<.030	<.020	1.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	1505	81341	174	12	6.7	10.0	21.0	11.0	103	<20
NOV 06...	1415	81213	147	13	6.6	8.0	10.5	10.7	95	20
13...	1040	81341	152	12	6.8	7.7	9.5	10.9	97	40
24...	1145	81213	134	12	6.7	6.5	9.5	11.7	100	<20
DEC 04...	0915	81341	216	13	6.7	8.0	8.5	10.9	98	40

SAVANNAH RIVER BASIN

02176940 NORTH FORK CHATTOOGA RIVER NEAR PINE MOUNTAIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 22...	1205	81213	87	15	7.1	21.5	29.1	8.9	106

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 22...	81213	.9	.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 22...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.1

SAVANNAH RIVER BASIN

02176945 WEST FORK CHATTOOGA RIVER AT PINE MOUNTAIN, GA.

LOCATION.--Lat 34°56'21", long 83°11'33", Rabun County, Hydrologic Unit 03060102, at upstream side of bridge on Warwoman Road, 200 ft upstream from Low Ground Creek, 0.2 mi west of Pine Mountain, 2.1 mi downstream from Lottery Pole Creek, and 2.6 mi above mouth.

DRAINAGE AREA.--50.5 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	1440	81341	149	10	12	6.6	6.6	9.3	21.0	11.0	101
NOV 13...	1025	81341	137	11	12	6.9	6.5	7.8	9.5	10.9	97
DEC 04...	0840	81341	155	12	13	6.6	6.5	8.5	7.5	10.7	98

DATE	OXYGEN AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	ANC DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	RESIDUE HARD- NESS TOTAL (MG/L AS CACO3) (00900)	WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81341	1.0	<1.0	6	6	1	<.020	<.030	<.020	<1.0
NOV 13...	81341	1.0	<1.0	4	5	<1	<.020	<.030	<.020	1.0
DEC 04...	81341	3.0	<1.0	2	5	2	<.020	<.030	<.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	1440	81341	149	10	6.6	9.3	21.0	11.0	101	<20
NOV 06...	1350	81213	123	11	6.7	7.3	12.2	11.3	99	20
13...	1025	81341	137	11	6.9	7.8	9.5	10.9	97	40
24...	1115	81213	112	11	6.7	5.5	6.0	12.0	100	20
DEC 04...	0840	81341	155	12	6.6	8.5	7.5	10.7	98	310

SAVANNAH RIVER BASIN

02176945 WEST FORK CHATTOOGA RIVER AT PINE MOUNTAIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 20...	1355	81213	80	12	7.3	21.5	28.3	8.5	101

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 20...	81213	.8	.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 20...	81213	<1.0	<2.0	<.1	<1.0	<2.0	20

SAVANNAH RIVER BASIN

02176957 WARWOMAN CREEK NEAR PINE MOUNTAIN, GA.

LOCATION.--Lat 34°53'06", long 83°13'43", Rabun County, Hydrologic Unit 03060102, at shallow ford on Earls Ford Road, 1.2 mi above mouth, 1.3 mi downstream from Gold Mine Branch, and 4.4 mi southwest of Pine Mountain.

DRAINAGE AREA.--38 mi², approximately.

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	1350	81341	76	15	12	6.7	6.6	10.0	20.0	10.7	99
NOV 13...	1000	81341	60	15	15	7.0	6.5	8.9	8.9	10.5	96
DEC 04...	0750	81341	75	15	16	6.8	6.4	9.5	6.5	10.5	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81341	1.0	<1.0	6	8	2	.070	<.030	.010	<1.0
NOV 13...	81341	2.0	<1.0	4	6	2	.030	<.030	<.020	1.0
DEC 04...	81341	7.0	1.2	4	7	5	.030	<.030	<.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	1350	81341	76	15	6.7	10.0	20.0	10.7	99	80
NOV 06...	1250	81213	58	15	6.8	8.4	8.4	10.8	97	80
13...	1000	81341	60	15	7.0	8.9	8.9	10.5	96	330
24...	1030	81213	54	14	6.9	6.0	7.5	11.7	98	110
DEC 04...	0750	81341	75	15	6.8	9.5	6.5	10.5	98	790

SAVANNAH RIVER BASIN

02176957 WARWOMAN CREEK NEAR PINE MOUNTAIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 20...	1250	81213	48	15	7.5	20.8	26.7	8.7	101

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 20...	81213	.9	.4	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 20...	81213	<1.0	<2.0	<.1	<1.0	<2.0	<1.0

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C.-Rabun County, Ga., Hydrologic Unit 03060102, on left bank 150 ft downstream from bridge on U.S.Highway 76, 2.8 mi upstream from Stekoa Creek, 7 mi southeast of Clayton, 9 mi downstream from Warwoman Creek, and 9 mi upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft above sea level. May 1907 to June 1908, nonrecording gage at site 400 ft upstream at different datum.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	2300	4,780	4.77	Mar. 8	1330	3,580	4.08
Jan. 8	0200	*12,600	*8.24	Mar. 9	0800	4,460	4.59
Feb. 4	0030	3,680	4.14	Apr. 17	0900	4,280	4.49

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	291	437	379	455	904	1190	1090	1770	660	420	261	178
2	270	535	333	441	875	1110	996	1470	702	406	241	176
3	259	460	331	434	1880	1050	1090	1330	677	396	232	172
4	250	410	488	433	3330	1010	1290	1230	643	391	224	177
5	244	382	419	449	2250	981	1060	1150	841	431	217	165
6	236	372	369	628	1690	960	982	1090	738	415	213	162
7	235	385	347	4010	1470	981	935	1190	609	384	208	168
8	231	376	341	6920	1350	2410	914	1280	574	371	256	161
9	226	351	387	2720	1250	3380	1270	1110	593	370	349	149
10	224	339	444	1880	1160	2060	1030	1120	722	350	399	142
11	232	330	483	1540	1150	1680	952	1250	805	336	278	143
12	228	327	417	1320	1130	1500	901	1070	628	334	278	142
13	222	391	390	1170	1050	1390	869	1010	575	331	463	137
14	222	425	373	1060	1000	1320	928	970	547	357	333	135
15	221	398	354	1440	956	1240	887	936	558	325	318	134
16	215	359	344	1690	1650	1180	867	909	544	308	495	136
17	216	340	334	1510	2820	1150	2570	883	611	328	341	133
18	218	330	326	1230	2120	1280	1640	855	516	333	286	131
19	262	324	318	1150	1630	1630	2120	825	527	308	258	129
20	251	316	311	1050	1450	1660	2030	810	536	298	256	129
21	221	329	307	968	1320	1570	1580	807	494	391	266	177
22	214	438	487	1060	1240	1350	1670	794	500	366	230	243
23	208	379	479	2110	1490	1230	1690	778	473	312	219	173
24	243	342	614	1510	1320	1180	1500	762	455	337	211	152
25	458	325	999	1250	1200	1110	1350	739	480	301	203	147
26	2540	317	641	1120	1140	1070	1250	714	444	285	196	143
27	2070	313	699	1240	1430	1030	1180	710	506	280	188	138
28	830	304	663	1250	1320	1010	1130	703	437	308	183	136
29	591	302	570	1090	---	977	1080	681	424	274	180	257
30	493	339	527	1010	---	948	1600	667	440	258	176	375
31	441	---	491	952	---	948	---	658	---	262	193	---
TOTAL	13062	10975	13965	45090	41575	41585	38451	30271	17259	10566	8151	4940
MEAN	421	366	450	1455	1485	1341	1282	976	575	341	263	165
MAX	2540	535	999	6920	3330	3380	2570	1770	841	431	495	375
MIN	208	302	307	433	875	948	867	658	424	258	176	129
CFSM	2.04	1.77	2.18	7.03	7.17	6.48	6.19	4.72	2.78	1.65	1.27	.80
IN.	2.35	1.97	2.51	8.10	7.47	7.47	6.91	5.44	3.10	1.90	1.46	.89

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	444	510	659	789	885	965	907	733	608	513	494	435
MAX	1524	1509	1358	1747	1728	1829	1633	1725	1439	1542	1453	1118
(WY)	1965	1980	1962	1946	1990	1979	1964	1976	1976	1949	1940	1949
MIN	98.6	155	183	155	347	387	349	284	210	180	172	118
(WY)	1955	1955	1956	1956	1941	1988	1986	1941	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1940 - 1998			
ANNUAL TOTAL	243447				275890							
ANNUAL MEAN	667				756							
HIGHEST ANNUAL MEAN					661							
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN	3950				Mar 14							
LOWEST DAILY MEAN	199				Sep 21							
ANNUAL SEVEN-DAY MINIMUM	207				Sep 17							
INSTANTANEOUS PEAK FLOW					6920				Jan 8			
INSTANTANEOUS PEAK STAGE					8.24				Jan 8			
INSTANTANEOUS LOW FLOW					129				bSep 18-21			
ANNUAL RUNOFF (CFSM)	3.22				3.65							
ANNUAL RUNOFF (INCHES)	43.75				49.58							
10 PERCENT EXCEEDS	1170				1500							
50 PERCENT EXCEEDS	579				493							
90 PERCENT EXCEEDS	251				210							

a From rating curve extended above 4,700 ft³/s on basis of slope area measurements of gage heights, 9.9 ft and 13.2 ft.

b Part or all of each day.

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	1600	81341	483	12	15	6.7	6.7	11.0	21.0	10.6	100
NOV 13...	1115	81341	399	13	14	6.8	6.7	8.0	9.5	11.5	102
DEC 04...	1015	81341	513	14	15	6.9	6.7	9.0	10.0	11.1	101
FEB 20...	0830	81341	1470	12	12	6.5	6.4	9.0	6.0	10.9	99
MAR 10...	0815	81341	2130	12	11	6.5	6.3	7.5	1.0	11.2	99
APR 30...	0730	81341	1250	12	12	6.7	6.4	14.0	13.5	9.8	99
MAY 28...	1240	81341	696	12	13	7.2	6.5	20.0	--	9.0	103
JUN 25...	0600	81341	469	15	15	6.7	6.5	22.0	19.0	8.3	99
JUL 16...	0615	81341	305	16	21	6.7	6.6	22.5	19.5	8.3	100
AUG 05...	0615	81341	217	16	15	6.7	6.5	21.0	14.0	8.5	99
SEP 17...	0615	81341	136	17	17	6.4	6.7	22.0	17.0	8.3	99

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)
OCT 30...	81341	2.0	4	<1.0	6	3
NOV 13...	81341	1.0	21	<1.0	5	<1
DEC 04...	81341	4.0	17	<1.0	6	3
FEB 20...	81341	1.0	4	<1.0	4	6
MAR 10...	81341	4.0	4	<1.0	4	23
APR 30...	81341	3.0	<5	<1.0	5	1
MAY 28...	81341	2.0	<5	<1.0	6	4
JUN 25...	81341	2.0	<5	<1.0	6	3
JUL 16...	81341	2.0	<5	<1.0	6	1
AUG 05...	81341	1.0	6	<1.0	8	1
SEP 17...	81341	1.0	8	<1.0	8	2

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81341	<.020	<.030	<.10	--	<.020	1.0
NOV 13...	81341	<.020	<.030	<.10	--	<.020	1.0
DEC 04...	81341	<.020	<.030	<.10	--	<.020	<1.0
FEB 20...	81341	<.020	<.030	<.10	--	<.020	<1.0
MAR 10...	81341	.040	<.030	.10	.14	<.020	1.0
APR 30...	81341	<.020	<.030	.10	--	<.020	<1.0
MAY 28...	81341	<.020	<.030	.10	--	<.020	2.0
JUN 25...	81341	<.020	<.030	.10	--	.020	2.0
JUL 16...	81341	.020	<.030	.10	.12	.040	1.0
AUG 05...	81341	<.020	<.030	.10	--	<.020	2.0
SEP 17...	81341	.040	<.030	<.10	--	<.020	1.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	1600	81341	483	12	6.7	11.0	21.0	10.6	100	80
NOV 06...	1500	81213	373	13	6.8	8.5	10.5	11.3	100	<20
NOV 13...	1115	81341	399	13	6.8	8.0	9.5	11.5	102	<20
NOV 24...	1245	81213	341	14	6.8	7.5	12.0	11.9	102	20
DEC 04...	1015	81341	513	14	6.9	9.0	10.0	11.1	101	130
FEB 12...	0845	81213	1150	13	--	8.0	8.5	11.6	103	<20
FEB 18...	0700	81213	2270	12	6.4	10.0	8.0	10.7	100	50
FEB 20...	0830	81341	1470	12	6.5	9.0	6.0	10.9	99	40
MAR 10...	0815	81341	2130	12	6.5	7.5	1.0	11.2	99	<20
APR 30...	0730	81341	1250	12	6.7	14.0	13.5	9.8	99	90
MAY 12...	1445	81213	1070	11	7.2	17.5	--	9.4	103	<20
MAY 21...	1120	81213	810	11	7.3	19.5	--	--	--	40
MAY 28...	1240	81341	696	12	7.2	20.0	--	9.0	103	130
JUL 09...	0700	81213	373	15	6.7	23.0	21.0	8.1	99	<20
JUL 16...	0615	81341	305	16	6.7	22.5	19.5	8.3	100	20
JUL 27...	0630	81213	271	16	6.7	24.0	22.0	7.9	98	<20
AUG 05	0615	81341	217	16	6.7	21.0	14.0	8.5	99	<20

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 22...	1010	81213	231	15	7.1	23.0	29.0	8.2	99

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 22...	81213	1.0	.40	<1	<2	<1	<1	<1

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 22...	81213	<1	<2	<.10	<1	<2	10

SAVANNAH RIVER BASIN

02177450 STEKOA CREEK NEAR CLAYTON, GA

LOCATION.--Lat 34°50'07", long 83°20'49", Rabun County, Hydrologic Unit 03060102, at downstream side of bridge on Wolf Creek Road, 0.9 mi downstream from Chechero Creek, 4.8 mi upstream from mouth, and 5.1 mi southeast of Clayton.

DRAINAGE AREA.--28.5 mi².

PERIOD OF RECORD.--July 1990 to February 1994, January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	1625	81341	61	33	34	7.0	6.9	12.4	13.0	10.1	99
NOV 13...	1135	81341	59	34	34	7.0	6.8	9.2	9.5	10.8	99
DEC 04...	1045	81341	70	33	33	7.2	6.9	9.5	10.5	10.6	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81341	7.0	<1.0	13	10	.370	<.030	<.020	<1.0
NOV 13...	81341	8.0	<1.0	11	11	.220	.040	.020	2.0
DEC 04...	81341	23	1.3	12	15	.260	<.030	.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	1625	81341	61	33	7.0	12.4	13.0	10.1	99	460
NOV 06...	1530	81213	59	34	7.1	9.8	10.1	10.5	97	490
13...	1135	81341	59	34	7.0	9.2	9.5	10.8	99	2300
24...	1330	81213	53	34	7.2	8.0	8.5	11.4	100	50
DEC 04...	1045	81341	70	33	7.2	9.5	10.5	10.6	98	3300

SAVANNAH RIVER BASIN

02177450 STEKOA CREEK NEAR CLAYTON, GA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 22...	0920	81213	39	38	6.6	19.3	23.0	8.5	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 22...	81213	2.9	1.9	<1.0	<2.0	<.5	6.3	6.5

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 22...	81213	5.1	<2.0	<.1	3.3	<2.0	43

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°53'25", long 83°31'50", Rabun County, Hydrologic Unit 03060102, on right bank 100 ft downstream from Plum Orchard Road bridge, 120 ft downstream from Persimmon Creek, 8 mi upstream from Burton Dam, and 10.3 mi west of Clayton.

DRAINAGE AREA.--56.5 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 1,868.93 ft above sea level (levels by Georgia Department of Transportation).

REMARKS --Records good, except those for the period of estimated daily discharge, which are fair. Low flows affected by releases from private reservoirs upstream.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1100	1,480	5.20	Mar. 8	0730	1,570	5.34
Jan. 7	2200	*5,000	*9.09	Mar. 9	0330	1,730	5.57
Feb. 4	0930	1,490	5.21	Apr. 17	0315	1,960	5.88

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	132	107	134	235	298	319	561	184	122	72	46
2	91	180	98	131	230	286	272	439	207	114	68	43
3	86	141	111	134	667	267	389	393	167	111	66	40
4	82	127	142	138	1210	262	394	359	211	129	64	41
5	78	116	120	151	696	254	330	325	255	126	62	42
6	76	121	112	235	500	243	298	311	222	110	61	100
7	74	125	106	2190	418	260	278	416	181	106	61	63
8	72	113	107	1900	369	898	269	439	166	106	65	52
9	71	106	124	766	336	1220	336	363	191	104	78	48
10	70	104	154	514	311	638	273	385	331	99	79	46
11	69	101	136	406	325	495	259	349	308	97	68	46
12	69	105	125	345	301	414	247	318	224	96	82	44
13	69	123	120	307	281	381	241	291	195	92	84	43
14	69	136	115	279	267	349	298	281	177	93	71	50
15	68	119	109	404	255	332	259	272	184	90	83	41
16	67	110	106	399	543	316	273	255	196	93	96	39
17	69	110	103	343	743	304	933	250	172	107	73	39
18	67	109	100	305	564	365	512	240	157	89	71	39
19	76	102	97	292	440	393	562	231	190	84	67	40
20	66	97	96	264	383	480	509	223	163	84	65	40
21	65	113	96	246	346	422	443	216	156	80	61	86
22	65	124	148	326	326	367	462	222	149	82	58	54
23	63	106	114	411	384	340	437	206	143	84	57	44
24	112	100	263	342	331	322	386	200	136	82	55	43
25	139	97	240	299	314	299	356	194	144	78	53	43
26	759	96	181	274	295	284	331	190	e135	75	52	43
27	358	94	220	379	374	276	316	192	e150	82	50	42
28	192	92	180	326	314	267	293	182	e135	86	50	51
29	150	92	166	288	---	257	286	175	e125	75	49	96
30	128	113	155	267	---	249	468	173	e125	73	48	60
31	115	---	146	249	---	248	---	168	---	74	48	---
TOTAL	3634	3404	4197	13044	11758	11786	11029	8819	5479	2923	2017	1504
MEAN	117	113	135	421	420	380	368	284	183	94.3	65.1	50.1
MAX	759	180	263	2190	1210	1220	933	561	331	129	96	100
MIN	63	92	96	131	230	243	241	168	125	73	48	39
CFSM	2.07	2.01	2.40	7.45	7.43	6.73	6.51	5.04	3.23	1.67	1.15	.89
IN.	2.39	2.24	2.76	8.59	7.74	7.76	7.26	5.81	3.61	1.92	1.33	.99

e Estimated

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	125	153	198	244	276	298	265	216	169	127	135	108
MAX	394	398	405	456	588	579	473	495	364	328	380	230
(WY)	1965	1993	1993	1974	1990	1979	1979	1976	1989	1989	1967	1979
MIN	41.3	58.9	64.9	62.8	106	100	87.8	87.1	56.5	45.5	38.1	43.1
(WY)	1988	1982	1966	1981	1986	1988	1986	1986	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1964 - 1998		
ANNUAL TOTAL	74557			79594					
ANNUAL MEAN	204			218			192		
HIGHEST ANNUAL MEAN							275		
LOWEST ANNUAL MEAN							82.9		
HIGHEST DAILY MEAN	1260			2190			3910		
LOWEST DAILY MEAN	56			39			28		
ANNUAL SEVEN-DAY MINIMUM	58			41			29		
INSTANTANEOUS PEAK FLOW				5000			8500		
INSTANTANEOUS PEAK STAGE				9.09			12.00		
INSTANTANEOUS LOW FLOW				35			27		
ANNUAL RUNOFF (CFSM)	3.62			3.86			3.41		
ANNUAL RUNOFF (INCHES)	49.09			52.41			46.28		
10 PERCENT EXCEEDS	358			401			341		
50 PERCENT EXCEEDS	177			149			151		
90 PERCENT EXCEEDS	75			61			66		

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1967 to September 1968, December 1969 to February 1994, January 1997 to August 1998 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: September 1964 to September 1979.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--Maximum, 28.0°C July 28, 1966; minimum 0.0°C on several days during most years.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	1240	81341	127	16	15	6.8	6.7	10.0	22.0	10.6	100
NOV 13...	0900	81341	120	16	17	6.9	6.6	8.2	8.0	10.4	95
DEC 04...	0630	81341	148	17	17	6.9	6.6	8.5	5.0	10.4	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81341	<1.0	<1.0	8	.050	<.030	<.10	<.020	<1.0
NOV 13...	81341	1.0	<1.0	6	.030	<.030	<.10	<.020	<1.0
DEC 04...	81341	3.0	<1.0	7	.020	<.030	<.10	<.020	1.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	1240	81341	127	16	6.8	10.0	22.0	10.6	100	130
NOV 06...	1100	81213	120	16	6.8	7.6	7.6	10.8	96	50
13...	0900	81341	120	16	6.9	8.2	8.0	10.4	95	50
24...	0930	81213	101	16	6.9	5.5	2.5	11.8	99	<20
DEC 04...	0630	81341	148	17	6.9	8.5	5.0	10.4	96	80

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 20...	1115	81213	66	19	7.3	20.2	24.7	8.7	102

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 20...	81213	1.9	1.6	<1.0	<2.0	<.5	5.1	3.5

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 20...	81213	2.6	<2.0	<.1	3.1	<2.0	24

SAVANNAH RIVER BASIN

02181580 TALLULAH RIVER ABOVE POWERHOUSE NEAR TALLULAH FALLS, GA.

LOCATION.--Lat 34°43'55", long 83°22'33", Habersham County, Hydrologic Unit 03060102, on right bank 20 ft upstream from the Tallulah Falls Powerhouse in the Tallulah Gorge, 1.2 mi downstream from Cascade Falls, 1.7 mi downstream from Tallulah Falls Lake, and 0.5 mi northeast of Tallulah Lodge.

DRAINAGE AREA.--184 mi².

PERIOD OF RECORD.--November 1997 to September 1998.

GAGE.--Water-stage recorder. Datum of gage 940 ft above sea level (from topographic map).

REMARKS.--Records good, except those for periods of estimated daily discharge, which are fair to poor. Flow regulated by Tallulah Falls Lake.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period November 1997 to September 1998, 1,840 ft³/s, January 8, gage height, 8.87 ft; minimum daily discharge, 2.0 ft³/s, December 18-20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	7.3	e3.0	4.0	43	28	44	30	29	30	40
2	---	---	6.8	e3.0	4.1	38	28	37	29	29	30	40
3	---	---	9.1	2.6	35	35	55	35	30	28	29	41
4	---	---	8.4	2.5	63	33	224	37	35	29	29	41
5	---	---	7.0	3.0	28	31	288	36	33	29	30	40
6	---	---	6.7	5.1	21	e30	38	35	30	29	30	42
7	---	---	6.5	78	19	e30	36	38	29	30	30	41
8	---	---	5.6	443	16	e30	37	35	30	30	31	40
9	---	---	3.3	53	16	e40	43	35	34	29	33	40
10	---	---	3.5	e10	14	e60	33	35	33	29	32	40
11	---	---	2.9	e10	45	e45	212	34	31	29	31	41
12	---	---	2.6	e7.0	20	e40	298	32	30	28	30	161
13	---	---	2.5	6.6	21	e30	36	32	30	28	31	154
14	---	---	2.4	4.5	19	e30	35	32	29	29	31	44
15	---	179	2.3	11	18	e30	34	31	30	29	34	44
16	---	260	2.2	8.3	40	e30	33	32	29	29	29	44
17	---	16	2.1	5.8	43	e30	46	32	29	30	40	43
18	---	14	2.0	4.9	25	e35	34	32	29	29	55	44
19	---	14	2.0	5.4	25	e38	40	31	31	31	54	166
20	---	13	2.0	4.4	32	e40	35	32	29	31	56	169
21	---	15	2.1	4.1	26	e38	34	31	30	30	55	54
22	---	17	4.3	7.5	31	e35	37	32	29	30	54	48
23	---	12	2.6	12	37	e30	36	32	29	30	55	48
24	---	9.6	9.5	6.6	33	e30	33	31	29	30	40	47
25	---	8.7	6.1	5.2	31	28	31	31	28	29	30	47
26	---	8.1	3.8	4.7	31	29	28	31	28	30	30	168
27	---	7.6	4.6	7.9	75	30	28	30	28	31	31	170
28	---	7.5	3.5	5.8	45	31	30	31	28	31	31	48
29	---	6.6	3.3	4.9	---	30	34	30	28	31	32	52
30	---	7.9	3.0	4.5	---	29	48	30	29	30	32	47
31	---	---	2.8	4.2	---	30	---	30	---	31	37	---
TOTAL	---	---	132.8	738.5	817.1	1058	1952	1026	896	917	1122	2044
MEAN	---	---	4.28	23.8	29.2	34.1	65.1	33.1	29.9	29.6	36.2	68.1
MAX	---	---	9.5	443	75	60	298	44	35	31	56	170
MIN	---	---	2.0	2.5	4.0	28	28	30	28	28	29	40

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

MEAN	---	---	4.28	23.8	29.2	34.1	65.1	33.1	29.9	29.6	36.2	68.1
MAX	---	---	4.28	23.8	29.2	34.1	65.1	33.1	29.9	29.6	36.2	68.1
(WY)	---	---	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998
MIN	---	---	4.28	23.8	29.2	34.1	65.1	33.1	29.9	29.6	36.2	68.1
(WY)	---	---	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998

e Estimated.

SAVANNAH RIVER BASIN

02182000 PANTHER CREEK NEAR TOCCOA, GA.

LOCATION.--Lat 34°40'40", long 83°20'43", Stephens County, Hydrologic Unit 03060102, on left bank 0.5 mi above mouth, 2.0 mi downstream from Davidson Creek, and 6.8 mi north of Toccoa.

DRAINAGE AREA.--32.5 mi².

PERIOD OF RECORD.--January 1997 to September 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 28...	1215	81213	87	21	21	7.0	6.9	10.0	15.0	11.4	103
JUL 09...	0950	81213	29	20	22	7.1	7.2	20.9	31.7	8.6	99
AUG 27...	0850	81213	29	21	21	7.2	7.2	19.0	20.0	8.8	97
SEP 25...	0830	81213	28	21	22	7.0	6.8	16.0	14.0	9.0	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C. SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 28...	81213	8.1	.7	7	5	.110	<.010	<.020	3.3
JUL 09...	81213	2.0	.8	14	3	.080	.010	<.020	.60
AUG 27...	81213	<1.0	.9	16	1	.060	.010	<.020	.30
SEP 25...	81213	17	4.3	13	24	.090	<.010	.020	2.6

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1215	81213	87	21	7.0	10.0	15.0	11.4	103	17
JUL 09...	0950	81213	29	20	7.1	20.9	31.7	8.6	99	50
AUG 27...	0850	81213	29	21	7.2	19.0	20.0	8.8	97	170
SEP 15...	0845	81213	30	22	7.1	17.5	18.0	9.1	97	50
17...	0955	81213	24	--	7.0	19.4	25.0	9.3	--	<20
25...	0830	81213	28	21	7.0	16.0	14.0	9.0	94	2400

SAVANNAH RIVER BASIN

02182000 PANTHER CREEK NEAR TOCCOA, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	0905	81213	30	20	20	7.0	6.6	12.0	3.0	10.3	98
NOV 04...	1040	81213	40	21	24	6.9	7.0	9.0	11.0	11.6	102
DEC 18...	0900	81213	35	22	24	6.7	6.9	4.0	-3.0	12.7	99
JAN 14...	0930	81341	31	21	--	6.8	6.6	10.0	10.0	10.7	96
FEB 04...	0945	81341	113	16	15	6.4	6.5	9.0	7.0	10.7	97
MAR 19...	1110	81341	125	19	19	6.9	6.7	10.8	21.4	11.7	109
MAY 14...	1205	81341	108	20	20	7.3	6.8	17.7	32.0	10.0	107
JUN 09...	0750	81341	30	21	20	6.8	6.6	16.0	14.0	9.2	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	81213	1.2	.3	10	1	.030	.020	<.020	.60
NOV 04...	81213	3.4	1.0	12	1	.040	.010	.030	.70
DEC 18...	81213	1.2	.4	13	<1	.060	.020	.020	.50
JAN 14...	81341	4.0	<1.0	6	4	.100	<.030	<.020	<1.0
FEB 04...	81341	58	1.4	4	164	.100	.040	.050	2.0
MAR 19...	81341	3.0	<1.0	6	4	.090	<.030	<.020	<1.0
MAY 14...	81341	5.0	<1.0	8	9	.080	<.030	.020	1.0
JUN 09...	81341	3.0	<1.0	7	11	.100	<.030	.020	<1.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 23...	0905	81213	30	20	7.0	12.0	3.0	10.3	98	<20
NOV 04...	1040	81213	40	21	6.9	9.0	11.0	11.6	102	50
DEC 10...	1115	81213	37	20	7.1	7.0	10.0	11.6	99	<20
18...	0900	81213	35	22	6.7	4.0	-3.0	12.7	99	20
29...	1250	81213	37	21	6.9	4.0	1.0	12.6	100	50
JAN 06...	0940	81213	32	23	6.9	11.0	15.5	9.9	91	20
14...	0930	81341	31	21	6.8	10.0	10.0	10.7	96	<20
27...	0950	81213	33	20	7.1	7.0	6.0	11.6	98	50
FEB 04...	0945	81341	113	16	6.4	9.0	7.0	10.7	97	790
MAY 14...	1205	81341	108	20	7.3	17.7	32.0	10.0	107	90
19...	0800	81213	108	20	6.8	17.0	16.0	9.3	98	<20
26...	0745	81213	31	21	6.8	19.0	22.0	9.0	100	140
JUN 09...	0750	81341	30	21	6.8	16.0	14.0	9.2	95	50

SAVANNAH RIVER BASIN

02182810 TOCCOA CREEK AT STATE HIGHWAY 184 NEAR TOCCOA, GA.

LOCATION.--Lat 34°37'10", long 83°17'52", Stephens County, Hydrologic Unit 03060102, at downstream side of bridge on State Highway 184, 0.75 mi downstream from Little Toccoa Creek and 3.3 mi northeast of Toccoa.

DRAINAGE AREA.--25.8 mi².

PERIOD OF RECORD.--January 1997 to September 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 28...	1130	81213	74	42	42	6.9	7.0	10.0	15.0	10.8	98
JUL 09...	0915	81213	72	53	53	7.2	7.3	20.9	27.3	8.6	99
AUG 27...	0815	81213	27	56	56	7.3	7.5	20.0	18.0	8.5	96
SEP 25...	0800	81213	96	47	47	7.2	6.9	16.0	14.0	8.9	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 28...	81213	64	1.5	13	54	.280	.060	.060	6.4
JUL 09...	81213	2.4	1.0	22	5	.280	.030	.020	1.0
AUG 27...	81213	1.2	1.2	25	4	.350	.030	<.020	.60
SEP 25...	81213	48	3.1	19	71	.240	.060	.110	3.6

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1130	81213	74	42	6.9	10.0	15.0	10.8	98	920
JUL 09...	0915	81213	72	53	7.2	20.9	27.3	8.6	99	700
AUG 27...	0815	81213	27	56	7.3	20.0	18.0	8.5	96	130
SEP 15...	0810	81213	27	54	7.2	18.0	16.0	8.6	93	140
17...	1035	81213	25	--	7.1	20.1	26.0	8.4	--	170
25...	0800	81213	96	47	7.2	16.0	14.0	8.9	93	3500

SAVANNAH RIVER BASIN

02182810 TOCCOA CREEK AT STATE HIGHWAY 184 NEAR TOCCOA, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 21...	1510	81213	29	54	7.3	24.4	33.0	7.8	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 21...	81213	3.8	1.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 21...	81213	2.0	<2.0	<.1	<1.0	<2.0	5.0

SAVANNAH RIVER BASIN

02182810 TOCCOA CREEK AT STATE HIGHWAY 194 NEAR TOCCOA, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	0830	81213	31	61	60	7.2	7.0	10.0	3.0	10.5	95
NOV 04...	1005	81213	39	49	52	7.0	7.1	10.0	10.5	10.6	96
DEC 18...	0815	81213	19	54	56	6.8	7.1	6.0	2.0	11.4	93
JAN 14...	0850	81341	98	47	--	6.9	6.9	10.0	9.0	10.2	92
FEB 04...	0915	81341	--	19	18	6.4	6.5	8.0	7.0	11.1	99
MAR 19...	1045	81341	82	38	36	6.9	6.7	10.4	22.4	11.9	109
MAY 14...	1130	81341	81	47	38	7.2	6.8	17.4	30.0	10.0	107
JUN 09...	0710	81341	53	44	43	7.0	6.9	16.0	14.0	9.1	94

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	81213	4.8	.6	23	3	.320	.040	.040	1.3
NOV 04...	81213	8.8	.7	19	5	.200	.100	.040	.90
DEC 18...	81213	2.7	1.3	22	<1	.300	.190	.040	.70
JAN 14...	81341	4.0	<1.0	16	9	.240	.120	.020	<1.0
FEB 04...	81341	140	1.8	5	361	.090	.030	.050	3.0
MAR 19...	81341	4.0	<1.0	14	7	.180	.090	.020	1.0
MAY 14...	81341	6.0	<1.0	15	8	.170	<.030	.030	1.0
JUN 09...	81341	5.0	<1.0	16	12	.250	.050	.050	2.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 23...	0830	81213	31	61	7.2	10.0	3.0	10.5	95	170
NOV 04...	1005	81213	39	49	7.0	10.0	10.5	10.6	96	50
DEC 10...	1045	81213	46	51	7.1	7.5	8.5	11.2	96	130
DEC 18...	0815	81213	19	54	6.8	6.0	2.0	11.4	93	40
DEC 29...	1210	81213	54	45	7.0	6.0	-2.0	11.5	96	20
JAN 06...	0910	81213	18	53	6.9	12.0	15.5	9.7	92	<20
JAN 14...	0850	81341	98	47	6.9	10.0	9.0	10.2	92	40
JAN 27...	0915	81213	180	39	6.8	7.0	7.0	11.0	93	3500
FEB 04...	0915	81341	--	19	6.4	8.0	7.0	11.1	99	4900
MAY 14...	1130	81341	81	47	7.2	17.4	30.0	10.0	107	50
MAY 19...	0730	81213	68	42	6.8	17.0	16.0	9.8	104	50
MAY 26...	0700	81213	63	42	6.8	19.0	19.0	8.7	96	80
JUN 09...	0710	81341	53	44	7.0	16.0	14.0	9.1	94	210

SAVANNAH RIVER BASIN

02182810 TOCCOA CREEK AT STATE HIGHWAY 184 NEAR TOCCOA, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
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SEP 30...	0915	81213	40	49	6.1	20.4	24.0	7.8	89
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DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
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SEP 30...	81213	3.3	1.1	<1.0	<2.0	<.5	1.0	1.9
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DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
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SEP 30...	81213	1.5	<2.0	<.1	<1.0	<2.0	15
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SAVANNAH RIVER BASIN

02183520 EASTANOLLEE CREEK NEAR AVALON, GA.

LOCATION.--Lat 34°31'42", long 83°11'50", Stephens County, Hydrologic Unit 03060102, at downstream side of bridge on Yow Mill Road, 0.3 mi upstream from Little Eastanollee Creek, 1.8 mi north of Avalon, and 7.1 mi above mouth.

DRAINAGE AREA.--16.1 mi².

PERIOD OF RECORD.--August 1991 to February 1994, January 1997 to September 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	0745	81341	12	470	457	7.3	7.3	11.0	8.0	8.6	80
NOV 04...	1155	81341	14	288	284	7.2	7.3	11.0	15.2	10.2	94
DEC 18...	0745	81341	18	443	435	7.2	7.1	6.0	-3.0	11.1	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	ANC NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	81341	9.0	1.4	31	1.74	.070	.390	3.0
NOV 04...	81341	6.0	1.3	26	1.14	.270	.190	2.0
DEC 18...	81341	5.0	2.1	29	1.84	.250	.320	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 23...	0745	81341	12	470	7.3	11.0	8.0	8.6	80	790
NOV 04...	1155	81341	14	288	7.2	11.0	15.2	10.2	94	330
DEC 10...	0945	81213	22	326	7.3	8.0	8.0	10.8	94	330
18...	0745	81341	18	443	7.2	6.0	-3.0	11.1	91	250
29...	1120	81213	25	441	7.2	7.5	1.0	10.1	87	220

SAVANNAH RIVER BASIN

02183520 EASTANOLLEE CREEK NEAR AVALON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
SEP 30...	1525	81213	265	6.7	23.5	24.0	7.4	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
SEP 30...	81213	4.7	1.4	3.1	<2.0	<.5	1.2	1.2

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
SEP 30...	81213	2.9	<2.0	<.1	1.9	<2.0	14

SAVANNAH RIVER BASIN

02183605 CRAWFORD CREEK NEAR LAVONIA, GA.

LOCATION.--Lat 34°28'55", long 83°07'21", Franklin County, Hydrologic Unit 03060102, at downstream side of culvert on county road 118, 3.3 mi northeast of Lavonia.

DRAINAGE AREA.--5.2 mi².

PERIOD OF RECORD.--January 1997 to September 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 28...	1000	81213	10	54	54	6.8	7.0	11.0	12.0	11.0	102
JUL 09...	1215	81213	E1.1	66	65	7.0	7.4	21.0	30.1	8.3	95
AUG 27...	0700	81213	3.3	67	67	7.2	7.6	19.0	17.0	8.5	94
SEP 25...	0700	81213	E26	58	58	7.1	7.1	16.0	14.0	9.0	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 28...	81213	18	1.1	18	8	.710	.070	.030	7.1
JUL 09...	81213	3.0	.6	27	5	.930	.060	<.020	1.2
AUG 27...	81213	3.7	1.1	31	5	.920	.040	<.020	.80
SEP 25...	81213	24	2.7	25	27	.550	.040	.030	2.9

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1000	81213	10	54	6.8	11.0	12.0	11.0	102	460
JUL 09...	1215	81213	E1.1	66	7.0	21.0	30.1	8.3	95	330
AUG 27...	0700	81213	3.3	67	7.2	19.0	17.0	8.5	94	110
SEP 15...	0700	81213	3.2	70	7.2	18.0	16.5	8.6	93	490
17...	1145	81213	3.2	--	7.0	20.1	32.0	8.2	--	490
25...	0700	81213	E26	58	7.1	16.0	14.0	9.0	94	7000

SAVANNAH RIVER BASIN

02183605 CRAWFORD CREEK NEAR LAVONIA, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 21...	1340	81213	E1.0	67	7.2	22.5	32.7	8.2	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 21...	81213	5.0	2.1	<1.0	<2.0	<.5	<1.0	3.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 21...	81213	1.0	<2.0	<.1	<1.0	<2.0	11

SAVANNAH RIVER BASIN

02183605 CRAWFORD CREEK NEAR LAVONIA, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	0715	81213	3.7	64	64	7.1	7.0	11.0	8.0	10.4	96
NOV 04...	1235	81213	3.6	63	64	6.9	7.2	11.4	12.2	10.1	94
DEC 18...	0700	81213	3.9	61	63	6.6	7.2	6.0	-3.0	10.9	90
JAN 14...	0810	81341	5.8	57	--	6.9	6.9	10.0	9.5	10.0	90
FEB 04...	0835	81341	E60	61	56	6.8	6.9	8.0	7.0	8.9	79
MAR 19...	1245	81341	7.8	51	49	6.8	6.7	14.0	22.7	11.0	110
MAY 14...	1345	81341	5.2	58	53	7.0	6.8	20.9	30.0	8.4	97
JUN 09...	0630	81341	2.5	60	59	6.9	6.9	17.0	15.0	8.4	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	81213	2.4	.5	28	2	.670	.020	<.020	.90
NOV 04...	81213	5.2	.9	25	1	.610	<.010	<.020	1.0
DEC 18...	81213	2.4	.9	23	1	.720	.020	<.020	1.0
JAN 14...	81341	13	1.1	18	5	.740	.040	.030	2.0
FEB 04...	81341	140	4.6	19	284	.520	1.36	.310	6.0
MAR 19...	81341	7.0	<1.0	15	3	.710	.030	.040	2.0
MAY 14...	81341	9.0	<1.0	20	6	.610	.030	.030	2.0
JUN 09...	81341	5.0	<1.0	22	7	.710	.050	.040	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 23...	0715	81213	3.7	64	7.1	11.0	8.0	10.4	96	70
NOV 04...	1235	81213	3.6	63	6.9	11.4	12.2	10.1	94	330
DEC 10...	0900	81213	5.5	57	7.0	8.5	6.5	10.5	93	140
DEC 18...	0700	81213	3.9	61	6.6	6.0	-3.0	10.9	90	170
DEC 29...	1050	81213	6.7	57	7.0	7.5	1.0	10.7	93	140
JAN 06...	0830	81213	3.3	59	7.0	12.0	15.5	9.7	92	130
JAN 14...	0810	81341	5.8	57	6.9	10.0	9.5	10.0	90	130
JAN 27...	0840	81213	17	163	7.3	7.0	7.0	9.2	78	3500
FEB 04...	0835	81341	E60	61	6.8	8.0	7.0	8.9	79	7000
MAY 14...	1345	81341	5.2	58	7.0	20.9	30.0	8.4	97	120
MAY 19...	0645	81213	4.5	57	6.8	18.0	17.0	8.7	94	330
MAY 26...	0630	81213	3.3	60	6.8	19.0	20.0	8.0	89	80
JUN 09...	0630	81341	2.5	60	6.9	17.0	15.0	8.4	89	80

SAVANNAH RIVER BASIN

02183605 CRAWFORD CREEK NEAR LAVONIA, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
SEP 30...	1700	81213	4.2	61	7.2	20.5	25.0	7.0	80

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
SEP 30...	81213	4.3	2.0	<1.0	<2.0	<.5	3.2	6.2

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
SEP 30...	81213	5.5	<2.0	<.1	1.1	<2.0	6.9

SAVANNAH RIVER BASIN

02183725 SHOAL CREEK AT PARKERTOWN, GA.

LOCATION.--Lat 34°27'34", long 83°02'29", Hart County, Hydrologic Unit 03060102, at downstream side of culvert on State Highway 77, 0.6 mi downstream from Pooler Creek, 0.6 mi southwest of Parkertown, and 4 mi northeast of Lavonia.

DRAINAGE AREA.--11.4 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 28...	0900	81213	53	60	59	6.6	7.1	10.0	10.0	10.6	96
JUL 09...	1300	81213	26	60	60	7.2	7.4	23.1	30.9	8.5	102
AUG 27...	0630	81213	12	61	60	7.2	7.5	20.0	19.0	8.4	95
SEP 25...	0600	81213	19	57	56	6.9	6.9	16.5	14.0	9.1	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 28...	81213	23	1.2	16	15	.980	.140	.100	6.9
JUL 09...	81213	6.4	.8	24	6	.830	.040	.020	1.3
AUG 27...	81213	6.4	1.0	27	7	.670	.030	<.020	.60
SEP 25...	81213	76	2.5	21	99	.580	.060	.160	3.6

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	0900	81213	53	60	6.6	10.0	10.0	10.6	96	350
JUL 09...	1300	81213	26	60	7.2	23.1	30.9	8.5	102	1100
AUG 27...	0630	81213	12	61	7.2	20.0	19.0	8.4	95	330
SEP 15...	0620	81213	11	105	7.2	18.5	16.5	8.2	90	220
17...	1220	81213	18	104	7.2	21.0	34.0	9.1	104	330
25...	0600	81213	19	57	6.9	16.5	14.0	9.1	96	7000

SAVANNAH RIVER BASIN

02183725 SHOAL CREEK AT PARKERTOWN, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 22...	0840	81213	23	62	6.9	22.6	27.0	7.3	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 22...	81213	4.1	1.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 22...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.5

SAVANNAH RIVER BASIN

02183725 SHOAL CREEK AT PARKERTOWN, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	0630	81213	48	61	60	7.1	6.9	12.0	8.0	10.0	95
NOV 04...	1325	81213	26	63	64	7.1	7.3	12.2	13.4	10.4	99
DEC 18...	0600	81213	46	61	60	7.0	7.1	8.0	3.0	10.2	88
JAN 14...	0740	81341	40	60	--	6.8	6.9	10.5	9.5	10.0	91
FEB 04...	0805	81341	E2500	39	37	6.5	6.6	7.0	7.0	10.9	95
MAR 19...	1330	81341	50	53	51	7.0	7.0	13.6	25.2	10.2	101
MAY 14...	1540	81341	46	53	52	7.1	6.9	21.1	31.0	8.2	94
JUN 09...	0600	81341	38	54	53	6.9	6.8	18.0	16.0	8.4	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	81213	11	.6	23	15	.640	.030	<.020	1.5
NOV 04...	81213	9.8	1.0	22	3	.730	.060	.060	1.4
DEC 18...	81213	4.4	.8	20	2	.890	.070	.030	.90
JAN 14...	81341	15	1.1	16	7	1.01	.150	.080	2.0
FEB 04...	81341	150	2.8	9	260	.570	.210	.340	5.0
MAR 19...	81341	8.0	<1.0	14	5	.950	.050	.050	2.0
MAY 14...	81341	11	<1.0	17	8	.820	.060	.060	3.0
JUN 09...	81341	12	<1.0	17	22	.870	.040	.060	2.0

SAVANNAH RIVER BASIN

02183725 SHOAL CREEK AT PARKERTOWN, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 23...	0630	81213	48	61	7.1	12.0	8.0	10.0	95	790
NOV 04...	1325	81213	26	63	7.1	12.2	13.4	10.4	99	490
DEC 10...	0815	81213	40	58	7.1	8.0	5.5	10.4	91	490
18...	0600	81213	46	61	7.0	8.0	3.0	10.2	88	170
29...	1015	81213	44	60	7.1	8.0	1.0	10.2	89	220
JAN 06...	0750	81213	65	56	6.9	13.0	15.5	9.8	95	330
14...	0740	81341	40	60	6.8	10.5	9.5	10.0	91	790
27...	0810	81213	E210	49	6.7	7.0	6.0	10.6	90	3500
FEB 04...	0805	81341	E2500	39	6.5	7.0	7.0	10.9	95	7000
MAY 14...	1540	81341	46	53	7.1	21.1	31.0	8.2	94	330
19...	0615	81213	40	54	7.0	18.0	17.0	8.4	91	220
26...	0600	81213	44	60	6.8	20.0	21.0	8.1	91	700
JUN 09...	0600	81341	38	54	6.9	18.0	16.0	8.4	90	1100

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 12...	1335	81213	27	60	7.3	24.3	32.5	8.0	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 12...	81213	4.0	1.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 12...	81213	<1.0	<2.0	<.1	<1.0	<2.0	7.3

SAVANNAH RIVER BASIN

02183848 REED CREEK NEAR HARTWELL, GA.

LOCATION.--Lat 34°27'13", long 82°56'25", Hart County, Hydrologic Unit 03060103, at upstream side of culvert on county road 301, 6.8 mi north of Hartwell.

DRAINAGE AREA.--3.74 mi².

PERIOD OF RECORD.--January 1997 to October 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1230	81213	11	35	35	6.7	6.9	9.0	11.5	11.5	101
JUL 08...	1145	81213	1.8	41	40	6.8	7.2	25.2	29.0	6.6	81
24...	1130	81213	18	38	38	6.9	6.8	27.6	33.7	7.6	97
SEP 15...	1210	81213	1.4	41	42	7.0	7.2	23.5	32.0	7.1	85

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	19	.9	9	8	.360	.120	.040	6.3
JUL 08...	81213	3.3	1.6	18	5	.160	.050	.050	2.8
24...	81213	8.2	3.3	17	15	.030	.020	.040	2.1
SEP 15...	81213	6.2	1.4	20	6	.170	.020	<.020	2.7

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	1230	81213	11	35	6.7	9.0	11.5	11.5	101	280
JUL 08...	1145	81213	1.8	41	6.8	25.2	29.0	6.6	81	330
10...	1205	81213	1.6	41	6.9	26.3	32.0	7.4	93	5400
14...	0800	81213	1.1	41	6.8	26.0	22.0	7.3	92	260
24...	1130	81213	18	38	6.9	27.6	33.7	7.6	97	790
SEP 15...	1210	81213	1.4	41	7.0	23.5	32.0	7.1	85	330

SAVANNAH RIVER BASIN

02183848 REED CREEK NEAR HARTWELL, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 22...	0950	81213	1.8	40	6.5	27.0	28.5	6.5	84

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 22...	81213	2.3	1.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 22...	81213	<1.0	<2.0	<.1	<1.0	<2.0	9.6

SAVANNAH RIVER BASIN

02183848 REED CREEK NEAR HARTWELL, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	0850	81213	6.5	38	38	6.8	6.8	13.0	9.0	9.9	96
NOV 12...	0850	81213	1.4	39	42	6.9	6.8	11.0	8.5	9.9	92
DEC 08...	0845	81213	1.2	37	38	6.4	6.8	6.0	1.0	12.0	98
JAN 14...	0700	81341	33	32	--	6.5	6.4	11.0	9.0	10.1	93
FEB 04...	0730	81341	E100	22	22	6.3	6.3	8.0	7.0	11.0	98
MAR 19...	1410	81341	9.4	30	29	6.7	6.8	14.7	24.2	10.3	104
MAY 14...	1450	81341	30	32	32	7.0	6.7	26.5	32.0	7.5	95
JUN 09...	0500	81341	19	36	40	6.7	6.5	22.5	16.5	7.8	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81213	14	1.8	12	5	.220	.060	.040	3.2
NOV 12...	81213	6.1	1.4	13	4	.210	.020	<.020	2.7
DEC 08...	81213	16	1.2	12	8	.270	.090	.030	3.4
JAN 14...	81341	62	1.5	7	28	.320	.090	.090	5.0
FEB 04...	81341	80	2.1	5	101	.200	.060	.130	5.0
MAR 19...	81341	13	1.1	15	6	.280	.060	.030	3.0
MAY 14...	81341	8.0	1.4	10	5	.130	<.030	.030	4.0
JUN 09...	81341	5.0	2.1	11	6	.120	<.030	.040	4.0

SAVANNAH RIVER BASIN

02183848 REED CREEK NEAR HARTWELL, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	0850	81213	6.5	38	6.8	13.0	9.0	9.9	96	230
NOV 12...	0850	81213	1.4	39	6.9	11.0	8.5	9.9	92	1100
DEC 08...	0845	81213	1.2	37	6.4	6.0	1.0	12.0	98	40
11...	1130	81213	10	37	7.2	8.3	9.0	11.9	103	50
29...	1300	81213	7.2	34	6.6	8.0	2.5	10.7	94	22000
JAN 06...	0700	81213	8.8	35	6.6	12.0	15.5	10.1	96	55
14...	0700	81341	33	32	6.5	11.0	9.0	10.1	93	130
27...	0730	81213	24	36	6.6	6.0	6.0	10.7	88	3500
FEB 04...	0730	81341	E100	22	6.3	8.0	7.0	11.0	98	2300
MAY 14...	1450	81341	30	32	7.0	26.5	32.0	7.5	95	80
19...	0530	81213	22	34	6.6	23.0	17.0	8.0	95	40
26...	0500	81213	20	35	6.7	24.0	21.0	7.6	93	130
JUN 09...	0500	81341	19	36	6.7	22.5	16.5	7.8	92	50

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 01...1999	0740	81213	6.5	41	6.4	22.9	22.0	7.2	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 01...1999	81213	2.4	1.2	<1.0	<2.0	<.5	2.6	1.4

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 01...1999	81213	3.4	<2.0	<.1	<1.0	<2.0	7.6

SAVANNAH RIVER BASIN

02187252 SAVANNAH RIVER BELOW HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'15", long 82°48'55", Anderson County, S.C., Hydrologic Unit 03060103, on left bank at Highway 29, 6.8 mi east of Hartwell, and at mile 304.5.

DRAINAGE AREA.--2,090 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to current year.

REVISED RECORDS.--WDR GA-91-1: 1990.

GAGE.--Data collection platform. Elevation of gage is 470 ft above sea level (from topographic map).

REMARKS.--Records good, except those for periods of estimated daily discharge, which are poor. Flow regulated by Hartwell Lake (See "Lakes and Reservoirs in Savannah River Basin", station 02187250). Discharge is affected by backwater from Richard B. Russell Reservoir (See "Lakes and Reservoirs in Savannah River Basin", station 02189004) when the reservoir elevation exceeds about 476 ft, therefore, the daily mean discharge is not shown for Dec. 6, 7, 9-21, 23-31, Jan. 1-4, 8-28, Feb. 4-28, Mar. 1-31, Apr. 1-30, May 1-3, 8-26, and June 7-23.

AVERAGE DISCHARGE.--5 years (water years 1985-89), 2,993 ft³/s, 19.45 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 17.18 ft, Aug. 17, 1994 (discharge not determined); minimum daily discharge, 10 ft³/s, April 28, 1996, but may have been less during periods of backwater.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum gage height, 11.08 ft, Mar. 13 discharge 26,400 ft³/s; minimum daily discharge, 20 ft³/s Oct. 4, 18, 25, and Nov. 2, but may have been less during periods of backwater.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3930	969	5100	---	2450	---	---	---	4570	4410	21	2950
2	2980	20	4600	---	12800	---	---	---	4950	4430	21	2740
3	3130	4340	4450	---	13500	---	---	---	7100	3030	4990	2590
4	20	4020	4910	---	---	---	---	e21000	4390	27	5360	3830
5	805	4390	7590	4960	---	---	---	e5300	7090	28	5510	810
6	4380	3850	---	4960	---	---	---	e2380	6400	4230	5710	812
7	3700	4230	---	6380	---	---	---	4530	---	3970	5610	752
8	5250	1040	6710	---	---	---	---	---	---	3700	754	4520
9	4300	152	---	---	---	---	---	---	---	6980	519	4300
10	2800	3670	---	---	---	---	---	---	---	4930	4730	2370
11	196	4000	---	---	---	---	---	---	---	24	4580	3750
12	408	3560	---	---	---	---	---	---	---	26	4450	21
13	2930	4070	---	---	---	---	---	---	---	4030	4520	576
14	2620	2530	---	---	---	---	---	---	---	3930	4510	4430
15	2210	282	---	---	---	---	---	---	---	3710	23	4940
16	2200	2970	---	---	---	---	---	---	---	3810	22	4600
17	1280	8230	---	---	---	---	---	---	---	3780	2360	4840
18	20	6550	---	---	---	---	---	---	---	610	3480	4480
19	21	4020	---	---	---	---	---	---	---	e695	2580	24
20	2630	3730	---	---	---	---	---	---	---	e4040	2270	24
21	2520	3100	---	---	---	---	---	---	---	4130	2690	3950
22	2490	61	8020	---	---	---	---	---	---	3770	810	2360
23	2740	93	---	---	---	---	---	---	---	4210	757	4080
24	2270	4500	---	---	---	---	---	---	e4070	3480	4950	4000
25	20	4940	---	---	---	---	---	---	e5030	563	5650	3670
26	23	5300	---	---	---	---	---	---	4930	829	5330	651
27	3700	722	---	---	---	---	---	4040	1920	4070	4990	372
28	3980	3390	---	---	---	---	---	4490	1070	4520	5570	4090
29	3860	59	---	---	---	---	---	4160	4800	4800	1650	3590
30	3610	502	---	15000	---	---	---	843	4830	4340	866	3630
31	2760	---	---	3910	---	---	---	852	---	4190	3700	---
TOTAL	73783	89290	---	---	---	---	---	---	---	99292	98983	83752
MEAN	2380	2976	---	---	---	---	---	---	---	3203	3193	2792
MAX	5250	8230	---	---	---	---	---	---	---	6980	5710	4940
MIN	20	20	---	---	---	---	---	---	---	24	21	21

e Estimated

SAVANNAH RIVER BASIN

02187252 SAVANNAH RIVER BELOW HARTWELL LAKE NEAR HARTWELL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1997 to October 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0700	81341	11800	39	36	6.5	6.6	17.0	8.0	9.0	95
NOV 26...	1100	81341	8390	34	34	6.9	6.7	14.5	12.0	9.0	89
DEC 17...	0730	81341	20800	35	35	7.2	6.7	11.0	-3.0	10.6	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	2.0	<1.0	4	11	3	.040	.060	<.020	1.0
NOV 26...	81341	1.0	1.0	6	12	3	<.020	.050	<.020	1.0
DEC 17...	81341	1.0	<1.0	12	9	<1	.030	<.030	<.020	1.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 21...	0700	81341	11800	39	6.5	17.0	8.0	9.0	95	<20
NOV 26...	1100	81341	8390	34	6.9	14.5	12.0	9.0	89	50
DEC 09...	1200	81213	1200	35	7.2	12.5	5.2	9.3	89	<20
17...	0730	81341	20800	35	7.2	11.0	-3.0	10.6	98	40
23...	0745	81213	15100	35	7.0	12.0	8.0	10.0	94	20

SAVANNAH RIVER BASIN

02187252 SAVANNAH RIVER BELOW HARTWELL LAKE NEAR HARTWELL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 01...	1010	81213	56	35	6.9	17.4	28.0	3.2	34

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 01...	81213	1.9	.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 01...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.1

SAVANNAH RIVER BASIN

02187440 CEDAR CREEK NEAR MONTEVIDEO, GA.

LOCATION.--Lat 34°19'04", long 82°48'33", Hart County, Hydrologic Unit 03060103, at downstream side of bridge on State Highway 77 Spur, 2.2 mi upstream from lower Little Cedar Creek, 2.8 mi above mouth, and 3.2 mi north of Montevideo.

DRAINAGE AREA.--27.8 mi².

PERIOD OF RECORD.--January 1997 to October 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0630	81341	39	200	193	7.3	7.5	13.0	10.0	9.1	88
NOV 26...	1145	81341	44	126	124	7.0	6.8	8.5	16.0	9.5	82
DEC 17...	0700	81341	51	142	140	7.0	7.0	6.0	-2.0	10.2	84

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	27	1.4	18	54	56	.710	<.030	.190	4.0
NOV 26...	81341	9.0	2.3	20	32	11	.460	.150	.070	4.0
DEC 17...	81341	7.0	1.2	20	32	10	.560	.160	.060	4.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 21...	0630	81341	39	200	7.3	13.0	10.0	9.1	88	1100
NOV 26...	1145	81341	44	126	7.0	8.5	16.0	9.5	82	2000
DEC 09...	1230	81213	44	115	7.1	7.5	5.3	9.8	83	490
17...	0700	81341	51	142	7.0	6.0	-2.0	10.2	84	310
23...	0715	81213	42	94	6.9	10.0	8.0	9.9	89	1300

SAVANNAH RIVER BASIN

02187440 CEDAR CREEK NEAR MONTEVIDEO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 01...	1135	81213	40	107	6.5	21.7	28.0	7.0	81

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 01...	81213	3.4	1.1	<1.0	<2.0	<.5	1.6	1.5

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 01...	81213	1.2	<2.0	<.1	1.9	<2.0	9.0

SAVANNAH RIVER BASIN

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, S.C.-Elbert County, Ga., Hydrologic Unit 03060103, at downstream side of bridge on State Highway 184, 0.5 mi upstream from Little Generostee Creek, 5.8 mi southwest of Iva, and at mile 296.5.

DRAINAGE AREA.--2,231 mi².

PERIOD OF RECORD.--February 1968 to February 1994, January 1997 to August 1998 (discontinued).

PERIOD OF DAILY RECORD.--

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

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Water-discharge records for the period October, 1949 to September, 1981 are in reports published by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum daily, 28.0°C Aug. 30, 31, 1970; minimum daily, 3.0°C Jan. 31, 1966.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0530	81341	21.12	40	40	7.0	6.8	18.0	11.0	9.0	97
NOV 26...	1245	81341	23.06	37	37	6.9	6.7	14.0	17.0	8.3	82
DEC 17...	0615	81341	22.59	36	36	6.7	6.8	11.0	.0	9.0	83

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	ANC NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	1.0	1.0	12	.040	<.030	<.020	2.0
NOV 26...	81341	5.0	1.1	13	.050	.040	<.020	1.0
DEC 17...	81341	1.0	<1.0	11	.070	<.030	<.020	2.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 21...	0530	81341	21.12	40	7.0	18.0	11.0	9.0	97	<20
NOV 26...	1245	81341	23.06	37	6.9	14.0	17.0	8.3	82	20
DEC 09...	1330	81213	23.87	38	7.2	11.4	5.0	9.0	84	<20
17...	0615	81341	22.59	36	6.7	11.0	.0	9.0	83	20
23...	0630	81213	23.14	38	6.8	12.0	8.0	8.8	83	<20

SAVANNAH RIVER BASIN

02187500 SAVANNAH RIVER NEAR IVA, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 12...	1030	81213	21.87	37	7.0	27.8	29.8	8.0	103

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 12...	81213	2.0	.8	1.3	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 12...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.3

SAVANNAH RIVER BASIN

02187760 COLDWATER CREEK AT COUNTY ROAD 193 NEAR RUCKERSVILLE, GA.

LOCATION.--Lat 34°13'24", long 82°49'50", Elbert County, Hydrologic Unit 03060103, at downstream side of bridge on county road 193, 0.2 mi upstream from Little Coldwater Creek, 4.6 mi northwest of Ruckersville.

DRAINAGE AREA.--35.3 mi².

PERIOD OF RECORD.--January 1997 to October 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1135	81213	51	41	42	6.9	7.1	8.0	12.0	11.5	98
JUL 08...	1050	81213	21	41	41	6.9	7.3	21.8	25.5	7.6	87
24...	1030	81213	44	37	37	6.9	6.8	23.4	30.8	7.6	90
SEP 15...	1120	81213	2.5	40	41	7.2	7.3	20.0	31.0	8.0	89

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	20	.7	12	18	.520	.050	.040	5.2
JUL 08...	81213	8.0	.4	19	7	.430	.030	<.020	1.1
24...	81213	34	1.9	14	63	.420	.030	.090	2.6
SEP 15...	81213	6.1	<.1	20	2	.240	.020	<.020	1.5

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	1135	81213	51	41	6.9	8.0	12.0	11.5	98	540
JUL 08...	1050	81213	21	41	6.9	21.8	25.5	7.6	87	330
10...	1110	81213	29	40	7.0	22.8	30.0	8.3	97	490
14...	0715	81213	15	41	6.9	22.5	22.0	7.9	93	490
24...	1030	81213	44	37	6.9	23.4	30.8	7.6	90	9400
SEP 15...	1120	81213	2.5	40	7.2	20.0	31.0	8.0	89	110

SAVANNAH RIVER BASIN

02187760 COLDWATER CREEK AT COUNTY ROAD 193 NEAR RUCKERSVILLE, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 29...	1240	81213	17	43	7.0	26.0	33.0	7.4	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 29...	81213	2.5	1.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 29...	81213	3.1	<2.0	<.1	<1.0	<2.0	3.4

SAVANNAH RIVER BASIN

02187760 COLDWATER CREEK AT COUNTY ROAD 193 NEAR RUCKERSVILLE, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	0815	81213	38	53	53	7.0	7.0	10.0	5.0	10.5	94
NOV 12...	0810	81213	28	49	50	7.0	7.0	9.0	7.0	10.4	92
DEC 08...	0805	81213	28	47	47	6.4	6.9	4.0	1.0	12.6	98
JAN 13...	0750	81341	20	42	--	6.7	6.7	11.0	10.0	10.0	92
FEB 04...	1610	81341	E5500	61	23	6.4	6.3	7.7	7.7	10.4	91
MAR 31...	0715	81341	60	38	37	6.8	6.6	17.5	19.5	9.1	97
APR 15...	0645	81341	70	36	35	6.6	6.6	15.0	16.0	9.6	97
MAY 13...	1250	81341	70	38	38	6.8	6.7	18.6	29.0	8.4	92
JUN 17...	0700	81341	47	40	39	6.6	6.9	21.0	18.0	7.9	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81213	63	1.1	15	34	.710	.180	.110	3.0
NOV 12...	81213	12	.8	17	7	.470	.140	.020	1.6
DEC 08...	81213	15	.6	15	10	.550	.130	<.020	2.1
JAN 13...	81341	33	1.0	10	27	.510	.090	.060	2.0
FEB 04...	81341	190	2.1	6	360	.280	.080	.120	5.0
MAR 31...	81341	11	<1.0	10	17	.470	<.030	.020	2.0
APR 15...	81341	37	1.1	11	30	.440	.040	.080	3.0
MAY 13...	81341	18	<1.0	15	18	.500	<.030	.060	2.0
JUN 17...	81341	17	<1.0	19	34	.550	<.030	.040	2.0

SAVANNAH RIVER BASIN

02187760 COLDWATER CREEK AT COUNTY ROAD 193 NEAR RUCKERSVILLE, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	0815	81213	38	53	7.0	10.0	5.0	10.5	94	2400
NOV 12...	0810	81213	28	49	7.0	9.0	7.0	10.4	92	330
DEC 08...	0805	81213	28	47	6.4	4.0	1.0	12.6	98	330
11...	1045	81213	44	46	7.3	8.2	9.0	10.8	93	330
29...	1215	81213	56	42	6.8	6.5	5.5	10.9	92	490
JAN 05...	0830	81213	34	42	6.5	11.5	12.0	10.5	97	330
13...	0750	81341	20	42	6.7	11.0	10.0	10.0	92	1700
26...	0800	81213	55	41	6.7	5.0	.0	12.0	95	220
FEB 04...	1610	81341	E5500	61	6.4	7.7	7.7	10.4	91	4900
APR 15...	0645	81341	70	36	6.6	15.0	16.0	9.6	97	2800
28...	0645	81213	67	37	6.7	15.0	13.0	9.6	97	220
MAY 05...	0645	81213	112	37	6.6	15.0	10.0	9.6	98	14000
13...	1250	81341	70	38	6.8	18.6	29.0	8.4	92	460

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 01...1999	1305	81213	32	43	7.5	22.7	34.0	7.3	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 01...1999	81213	2.2	1.1	<1.0	<2.0	<.5	1.2	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 01...1999	81213	1.6	<2.0	<.1	<1.0	<2.0	4.4

SAVANNAH RIVER BASIN

02188684 BEAVERDAM CREEK AT COUNTY ROAD S-985 NEAR ELBERTON, GA.

LOCATION.--Lat 34°08'30", long 82°50'22", Elbert County, Hydrologic Unit 03060103, at downstream side of bridge on county road 306, 0.5 mi downstream from Carters Creek, 2.7 mi northeast of Elberton, and 18.1 mi above mouth.

DRAINAGE AREA.--86.0 mi².

PERIOD OF RECORD.--January 1997 to October 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1040	81213	117	50	50	7.0	7.1	8.0	11.0	11.3	96
JUL 08...	1020	81213	63	54	54	6.7	7.5	22.5	25.0	7.0	81
24...	0940	81213	140	40	43	6.9	6.9	24.1	29.8	7.4	89
SEP 15...	1045	81213	58	52	51	7.0	7.3	20.7	29.5	7.7	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	20	1.0	14	14	.540	.070	.050	7.1
JUL 08...	81213	8.4	.8	23	7	.340	.040	<.020	1.7
24...	81213	60	1.5	18	94	.280	.030	.080	1.5
SEP 15...	81213	8.1	.1	21	4	.160	.040	<.020	1.9

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	1040	81213	117	50	7.0	8.0	11.0	11.3	96	27
JUL 08...	1020	81213	63	54	6.7	22.5	25.0	7.0	81	230
10...	1040	81213	72	51	6.8	23.3	28.0	7.6	90	16000
14...	0700	81213	61	52	6.9	23.0	22.0	8.0	95	220
24...	0940	81213	140	40	6.9	24.1	29.8	7.4	89	3300
SEP 15...	1045	81213	58	52	7.0	20.7	29.5	7.7	87	1300

SAVANNAH RIVER BASIN

02188684 BEAVERDAM CREEK AT COUNTY ROAD S-985 NEAR ELBERTON, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 29...	1420	81213	67	52	7.2	27.5	33.0	7.0	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 29...	81213	3.3	1.5	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 29...	81213	<1.0	<2.0	<.1	<1.0	<2.0	2.7

SAVANNAH RIVER BASIN

02188684 BEAVERDAM CREEK AT COUNTY ROAD S-985 NEAR ELBERTON, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	0745	81213	130	48	48	6.9	6.9	10.0	4.0	10.8	97
NOV 12...	0745	81213	85	54	56	6.9	6.9	9.0	6.5	10.9	96
DEC 08...	0725	81213	102	51	52	6.4	7.0	4.0	1.0	11.7	91
JAN 13...	0715	81341	120	42	--	6.7	6.7	10.0	10.0	10.1	91
FEB 04...	1540	81341	E6000	22	24	6.5	6.3	7.8	7.8	10.5	92
MAR 31...	0640	81341	130	45	45	6.8	6.7	17.5	18.5	10.0	106
APR 15...	0605	81341	300	42	41	6.7	6.6	16.0	17.0	9.1	94
MAY 13...	1205	81341	190	44	44	7.0	6.8	19.4	29.0	8.0	88
JUN 17...	0600	81341	103	47	43	6.7	6.6	22.0	18.0	7.7	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81213	29	.9	14	18	.330	.040	.060	2.9
NOV 12...	81213	7.6	.7	18	3	.300	.050	.020	2.0
DEC 08...	81213	11	.8	16	9	.430	.060	.020	2.1
JAN 13...	81341	50	1.0	10	47	.450	.090	.110	4.0
FEB 04...	81341	170	1.9	5	239	.200	.050	.090	6.0
MAR 31...	81341	12	1.0	15	33	.480	<.030	.040	3.0
APR 15...	81341	38	1.3	11	39	.490	.040	.110	4.0
MAY 13...	81341	25	1.3	13	31	.460	<.030	.080	4.0
JUN 17...	81341	14	<1.0	10	19	.500	<.030	.050	2.0

SAVANNAH RIVER BASIN

02188684 BEAVERDAM CREEK AT COUNTY ROAD S-985 NEAR ELBERTON, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	0745	81213	130	48	6.9	10.0	4.0	10.8	97	330
NOV 12...	0745	81213	85	54	6.9	9.0	6.5	10.9	96	110
DEC 08...	0725	81213	102	51	6.4	4.0	1.0	11.7	91	60
11...	1015	81213	110	51	7.2	7.2	9.0	11.4	96	110
29...	1140	81213	215	46	6.9	6.5	3.0	11.0	92	260
JAN 05...	0800	81213	140	47	6.5	10.0	12.0	10.9	98	40
13...	0715	81341	120	42	6.7	10.0	10.0	10.1	91	460
26...	0720	81213	180	46	6.7	5.0	<.0	12.1	96	170
FEB 04...	1540	81341	E6000	22	6.5	7.8	7.8	10.5	92	1100
APR 15...	0605	81341	300	42	6.7	16.0	17.0	9.1	94	790
28...	0600	81213	211	45	6.8	16.0	13.0	9.0	92	70
MAY 05...	0600	81213	480	41	6.6	16.0	10.0	9.1	94	14000
13...	1205	81341	190	44	7.0	19.4	29.0	8.0	88	130

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 01...1999	1440	81213	113	54	7.1	23.4	35.5	7.2	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 01...1999	81213	2.6	1.3	<1.0	<2.0	<.5	2.1	2.5

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 01...1999	81213	2.1	<2.0	<.1	<1.0	<2.0	13

SAVANNAH RIVER BASIN

021890172 MIDDLE FORK BROAD RIVER AT MCFARLIN BRIDGE ROAD NEAR CARNESVILLE, GA.

LOCATION.--Lat 34°24'43", long 83°20'25", Franklin County, Hydrologic Unit 03060104 at downstream side of bridge on McFarlin Bridge Road, 0.2 mi downstream from Leatherwood Creek, 7.4 mi northwest of Carnesville, and 17.3 mi above confluence with North Fork Broad River.

DRAINAGE AREA.--93.0 mi².

PERIOD OF RECORD.--January 1997 to October 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 28...	1330	81213	480	48	48	6.8	7.1	11.0	15.0	10.4	96
JUL 09...	1400	81213	54	52	52	7.2	7.4	24.0	31.6	8.5	103
AUG 27...	0945	81213	44	52	52	7.2	7.6	21.0	23.0	8.6	99
SEP 30...	1240	81213	65	49	50	7.2	7.1	18.5	28.0	8.5	93

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 28...	81213	60	1.2	16	57	.410	.060	.100	7.4
JUL 09...	81213	6.1	.7	25	15	.260	.020	<.020	1.2
AUG 27...	81213	12	1.0	28	13	.200	<.010	<.020	.80
SEP 30...	81213	14	1.1	25	1	.170	.020	<.020	1.6

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1330	81213	480	48	6.8	11.0	15.0	10.4	96	460
JUL 09...	1400	81213	54	52	7.2	24.0	31.6	8.5	103	1700
AUG 27...	0945	81213	44	52	7.2	21.0	23.0	8.6	99	490
SEP 15...	0930	81213	37	54	7.1	19.0	18.0	8.8	97	700
17...	0900	81213	40	56	7.1	19.7	25.0	8.5	95	1300
30...	1240	81213	65	49	7.2	18.5	28.0	8.5	93	330

SAVANNAH RIVER BASIN

021890172 MIDDLE FORK BROAD RIVER AT MCFARLIN BRIDGE ROAD NEAR CARNESVILLE, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 21...	1040	81213	56	53	7.0	23.8	34.3	7.4	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 21...	81213	4.0	1.6	<1.0	<2.0	<.5	1.4	1.5

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 21...	81213	4.3	<2.0	<.1	<1.0	<2.0	12

SAVANNAH RIVER BASIN

021890172 MIDDLE FORK BROAD RIVER AT MCFARLIN BRIDGE ROAD NEAR CARNESVILLE, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	0945	81213	43	54	54	6.9	7.0	10.5	7.0	10.7	98
NOV 04...	0915	81213	77	51	51	6.9	7.1	10.8	6.6	9.9	91
DEC 18...	0950	81213	72	51	54	6.9	7.1	8.0	-1.0	11.2	96
JAN 14...	1010	81341	50	49	--	6.9	6.8	10.0	10.0	10.0	90
FEB 04...	1030	81341	E9000	19	18	6.4	6.5	8.0	7.0	11.1	99
MAR 19...	0950	81341	355	44	42	6.6	6.6	9.5	16.5	10.8	97
MAY 14...	1035	81341	440	48	45	7.1	6.7	18.4	29.0	9.0	98
JUN 09...	0830	81341	140	47	46	6.9	6.9	19.0	18.0	8.9	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	81213	7.4	.7	25	6	.190	.020	<.020	.90
NOV 04...	81213	21	.8	20	15	.240	.020	.030	1.7
DEC 18...	81213	6.4	.7	22	5	.270	.020	.020	1.1
JAN 14...	81341	19	<1.0	15	50	.350	.030	.040	2.0
FEB 04...	81341	120	1.7	5	407	.100	.050	.080	4.0
MAR 19...	81341	14	<1.0	15	42	.360	<.030	.030	2.0
MAY 14...	81341	19	<1.0	17	89	.300	<.030	.050	2.0
JUN 09...	81341	10	<1.0	16	42	.280	<.030	.050	2.0

SAVANNAH RIVER BASIN

021890172 MIDDLE FORK BROAD RIVER AT MCFARLIN BRIDGE ROAD NEAR CARNESVILLE, GA.—Continued

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 23...	0945	81213	43	54	6.9	10.5	7.0	10.7	98	310
NOV 04...	0915	81213	77	51	6.9	10.8	6.6	9.9	91	230
DEC 10...	1245	81213	100	50	7.1	8.0	13.0	10.8	94	330
18...	0950	81213	72	51	6.9	8.0	-1.0	11.2	96	490
29...	1340	81213	130	49	7.1	6.5	2.0	11.3	96	330
JAN 06...	1020	81213	85	51	6.9	12.0	16.5	9.5	90	170
14...	1010	81341	50	49	6.9	10.0	10.0	10.0	90	130
27...	1035	81213	156	40	7.2	7.0	7.0	10.3	87	1100
FEB 04...	1030	81341	E9000	19	6.4	8.0	7.0	11.1	99	2200
MAY 14...	1035	81341	440	48	7.1	18.4	29.0	9.0	98	490
19...	0845	81213	290	46	6.8	20.0	20.0	8.7	98	330
26...	0830	81213	183	47	6.9	22.0	24.0	8.3	97	230
JUN 09...	0830	81341	140	47	6.9	19.0	18.0	8.9	98	700

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 02...1999	0740	81213	54	54	6.4	18.4	13.5	7.6	83

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 02...1999	81213	4.0	1.5	3.7	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 02...1999	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.4

SAVANNAH RIVER BASIN

02191000 NORTH FORK BROAD RIVER NEAR CARNESVILLE, GA.

LOCATION.--Lat 34°19'25", long 83°11'10", Franklin County, Hydrologic Unit 03060104, at downstream side of bridge on State Highway 51, 1 mi downstream from Unawatti Creek, 3 mi upstream from confluence with Middle Fork Broad River and 4.5 mi southeast of Carnesville.

DRAINAGE AREA.--119 mi².

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

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Water-discharge records for water years 1942-1944 and 1954-1969 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1340	81213	235	51	51	6.8	7.2	9.0	13.0	11.0	96
JUL 08...	1250	81213	123	64	62	7.0	7.7	23.4	33.0	9.6	114
24...	1245	81213	410	48	48	6.9	6.9	24.4	34.2	7.5	91
SEP 15...	1310	81213	98	59	61	7.3	7.6	22.2	32.0	8.0	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	60	.7	15	49	.750	.070	.100	7.1
JUL 08...	81213	11	1.1	26	16	.590	.020	.020	1.3
24...	81213	94	3.3	19	150	.410	.050	.160	2.6
SEP 15...	81213	8.2	.8	28	8	.410	.020	<.020	1.6

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	1340	81213	235	51	6.8	9.0	13.0	11.0	96	940
JUL 08...	1250	81213	123	64	7.0	23.4	33.0	9.6	114	1400
10...	1320	81213	180	50	7.0	24.1	34.0	8.1	98	9200
14...	0835	81213	121	60	7.0	24.0	24.0	8.0	97	790
24...	1245	81213	410	48	6.9	24.4	34.2	7.5	91	7000
SEP 15...	1310	81213	98	59	7.3	22.2	32.0	8.0	94	80

SAVANNAH RIVER BASIN

02191000 NORTH FORK BROAD RIVER NEAR CARNESVILLE, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 22...	1140	81213	120	61	7.2	24.6	33.5	7.4	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 22...	81213	4.3	1.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 22...	81213	11	<2.0	<.1	<1.0	<2.0	6.9

SAVANNAH RIVER BASIN

02191000 NORTH FORK BROAD RIVER NEAR CARNESVILLE, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	0940	81213	199	53	53	6.9	6.9	12.0	10.0	10.2	96
NOV 12...	0930	81213	130	59	62	6.9	7.1	10.0	9.5	10.4	94
DEC 08...	0945	81213	150	57	58	6.5	7.1	5.0	.0	12.0	96
JAN 13...	0840	81341	205	52	--	6.8	6.9	11.0	10.0	9.8	90
FEB 04...	1710	81341	4600	31	31	6.4	6.5	7.7	6.8	10.1	89
MAR 31...	0800	81341	212	52	51	7.1	6.9	17.0	20.0	8.9	94
APR 15...	0730	81341	275	50	49	6.9	6.9	15.0	15.0	9.0	91
MAY 13...	1355	81341	265	55	51	7.0	6.9	19.2	30.0	8.6	96
JUN 17...	0745	81341	170	56	54	7.0	6.9	21.0	18.0	8.0	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81213	78	1.0	17	58	.620	.050	.070	2.5
NOV 12...	81213	13	.7	21	8	.550	.020	.030	1.2
DEC 08...	81213	12	.9	22	8	.620	.020	.020	1.1
JAN 13...	81341	39	1.0	15	56	.700	.090	.100	2.0
FEB 04...	81341	150	2.1	8	150	.460	.160	.210	4.0
MAR 31...	81341	10	<1.0	18	19	.580	<.030	.020	1.0
APR 15...	81341	33	1.1	15	41	.590	<.030	.070	2.0
MAY 13...	81341	19	1.3	16	27	.610	<.030	.060	2.0
JUN 17...	81341	19	<1.0	19	31	.580	<.030	.060	2.0

SAVANNAH RIVER BASIN

02191000 NORTH FORK BROAD RIVER NEAR CARNESVILLE, GA.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	0940	81213	199	53	6.9	12.0	10.0	10.2	96	490
NOV 12...	0930	81213	130	59	6.9	10.0	9.5	10.4	94	330
DEC 08...	0945	81213	150	57	6.5	5.0	.0	12.0	96	170
11...	1215	81213	156	58	7.0	8.6	9.0	11.0	96	170
29...	1400	81213	197	53	7.1	6.5	3.5	11.2	94	1700
JAN 05...	0930	81213	128	55	6.9	12.0	13.0	10.0	94	230
13...	0840	81341	205	52	6.8	11.0	10.0	9.8	90	790
26...	0850	81213	220	53	6.8	6.0	1.0	11.3	92	490
FEB 04...	1710	81341	4600	31	6.4	7.7	6.8	10.1	89	3300
APR 15...	0730	81341	275	50	6.9	15.0	15.0	9.0	91	3300
28...	0730	81213	250	57	7.0	15.0	13.0	8.8	89	490
MAY 05...	0715	81213	315	49	6.8	15.0	9.0	9.0	92	55
13...	1355	81341	265	55	7.0	19.2	30.0	8.6	96	330

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 02...1999	0900	81213	132	62	7.2	18.5	23.0	7.7	84

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 02...1999	81213	4.4	2.0	<1.0	2.3	<.5	3.5	3.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 02...1999	81213	3.8	<2.0	<.1	<1.0	<2.0	9.2

SAVANNAH RIVER BASIN

02191200 HUDSON RIVER AT HOMER, GA.

LOCATION.--Lat 34°20'15", long 83°29'17", Banks County, Hydrologic Unit 03060104, at downstream side of bridge on State Highway 15, 3.6 mi upstream from Webb Creek and 10.8 mi upstream from Grove Creek, at Homer.

DRAINAGE AREA.--60.9 mi².

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

REVISED RECORDS.--WDR GA 91-1: Drainage Area.

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Water-discharge records for water years 1942, 1950-52, 1954, 1955, and 1959-79 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 28...	1415	81213	190	51	51	6.9	7.1	11.0	15.0	10.3	95
JUL 09...	0715	81213	54	57	57	7.2	7.4	21.7	25.5	8.2	95
AUG 27...	1030	81213	30	56	57	7.3	7.6	22.0	25.0	8.2	96
SEP 25...	1045	81213	170	52	53	7.0	6.9	17.0	16.0	9.0	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 28...	81213	58	1.2	16	51	.720	.050	.140	6.6
JUL 09...	81213	12	.7	25	22	.590	.030	<.020	1.1
AUG 27...	81213	7.2	1.0	28	9	.440	.010	<.020	.60
SEP 25...	81213	160	3.4	21	260	.540	.040	.290	3.4

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1415	81213	190	51	6.9	11.0	15.0	10.3	95	350
JUL 09...	0715	81213	54	57	7.2	21.7	25.5	8.2	95	700
AUG 27...	1030	81213	30	56	7.3	22.0	25.0	8.2	96	790
SEP 15...	1015	81213	31	58	7.3	19.0	19.0	8.5	94	790
17...	0815	81213	E34	--	7.2	19.1	24.0	8.6	--	630
25...	1045	81213	170	52	7.0	17.0	16.0	9.0	96	>24000

SAVANNAH RIVER BASIN

02191200 HUDSON RIVER AT HOMER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 21...	0810	81213	52	59	7.0	23.3	25.6	7.4	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 21...	81213	4.4	1.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 21...	81213	3.1	<2.0	<.1	<1.0	<2.0	19

SAVANNAH RIVER BASIN

02191200 HUDSON RIVER AT HOMER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	1045	81213	53	58	58	6.9	7.0	11.0	9.0	10.4	96
NOV 04...	0815	81213	70	58	60	7.1	7.2	10.3	6.2	9.8	89
DEC 18...	1045	81213	80	53	57	7.0	7.2	7.0	4.0	11.0	92
JAN 14...	1045	81341	160	53	--	7.0	6.9	10.5	10.0	10.8	98
FEB 04...	1100	81341	1700	19	18	6.4	6.5	8.0	7.0	11.1	99
MAR 19...	0900	81341	127	48	47	6.4	6.8	9.3	12.7	10.8	96
MAY 14...	1000	81341	215	55	48	7.2	6.8	18.0	27.0	9.0	97
JUN 09...	0930	81341	146	50	49	6.9	6.9	18.0	17.0	8.8	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	81213	6.3	.4	24	7	.410	.010	<.020	.80
NOV 04...	81213	17	.8	23	8	.450	.020	.040	1.2
DEC 18...	81213	6.3	.5	22	7	.600	.030	.030	.80
JAN 14...	81341	18	<1.0	18	--	.650	.040	.040	1.0
FEB 04...	81341	120	1.8	5	--	.100	<.030	.050	3.0
MAR 19...	81341	13	<1.0	16	--	.640	<.030	.030	1.0
MAY 14...	81341	21	<1.0	17	--	.550	<.030	.080	2.0
JUN 09...	81341	15	<1.0	17	--	.520	<.030	.060	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 23...	1045	81213	53	58	6.9	11.0	9.0	10.4	96	110
NOV 04...	0815	81213	70	58	7.1	10.3	6.2	9.8	89	420
DEC 10...	1315	81213	78	57	7.2	8.5	15.0	10.8	96	170
DEC 18...	1045	81213	80	53	7.0	7.0	4.0	11.0	92	80
DEC 29...	1430	81213	106	53	7.0	7.0	2.0	11.0	94	140
JAN 06...	1110	81213	100	55	7.0	12.0	16.5	10.0	95	50
JAN 14...	1045	81341	160	53	7.0	10.5	10.0	10.8	98	210
JAN 27...	1110	81213	205	48	7.0	7.0	7.0	11.0	93	220
FEB 04...	1100	81341	1700	19	6.4	8.0	7.0	11.1	99	2300
MAY 14...	1000	81341	215	55	7.2	18.0	27.0	9.0	97	790
MAY 19...	0930	81213	185	48	6.9	20.5	20.5	8.4	95	230
MAY 26...	0950	81213	170	50	6.9	22.0	27.0	8.3	97	330
JUN 09...	0930	81341	146	50	6.9	18.0	17.0	8.8	95	1100

SAVANNAH RIVER BASIN

02191200 HUDSON RIVER AT HOMER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...1999	0900	81213	66	58	6.8	13.5	14.0	8.5	84

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 30...1999	81213	4.2	1.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 30...1999	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.4

SAVANNAH RIVER BASIN

02191239 HUDSON RIVER AT FORT LAMAR, GA.

LOCATION.--Lat 34°14'56", long 83°16'15", Franklin-Madison County line, Hydrologic Unit 03060104, at downstream side of bridge on State Highway 106, 0.15 mi downstream from Lamar Creek, 0.6 mi north of Fort Lamar, 1.4 mi upstream from Hubbard Creek, and 7.2 mi above mouth.

DRAINAGE AREA.--235 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1415	81213	590	52	53	7.0	7.2	9.0	13.0	11.0	96
JUL 08...	1330	81213	157	64	64	7.1	7.6	24.2	31.0	8.2	99
24...	1330	81213	770	47	49	6.8	6.8	24.7	33.4	7.2	88
SEP 15...	1355	81213	80	64	65	7.5	7.7	23.1	33.0	8.1	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	55	.9	17	56	.660	.060	.080	7.1
JUL 08...	81213	17	.9	28	22	.470	.020	.070	1.6
24...	81213	210	4.1	17	330	.660	.060	.180	2.9
SEP 15...	81213	7.4	.3	30	5	.280	.020	<.020	1.5

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	1415	81213	590	52	7.0	9.0	13.0	11.0	96	540
JUL 08...	1330	81213	157	64	7.1	24.2	31.0	8.2	99	330
10...	1400	81213	195	64	7.3	25.4	32.0	8.0	99	E920
14...	0900	81213	143	62	7.3	25.0	24.0	7.7	95	330
24...	1330	81213	770	47	6.8	24.7	33.4	7.2	88	17000
SEP 15...	1355	81213	80	64	7.5	23.1	33.0	8.1	97	230

SAVANNAH RIVER BASIN

02191239 HUDSON RIVER AT FORT LAMAR, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	1030	81213	620	54	54	6.9	7.1	12.0	12.0	10.1	95
NOV 12...	0955	81213	195	62	64	6.8	7.3	10.0	9.5	10.2	92
DEC 08...	1030	81213	500	58	59	6.5	7.2	4.0	.0	11.9	92
JAN 13...	0915	81341	600	53	--	6.9	6.9	10.0	10.0	10.1	91
FEB 04...	1740	81341	E6500	43	23	6.7	6.4	7.6	6.5	9.9	86
MAR 31...	0845	81341	350	53	52	7.1	6.9	18.0	20.0	8.7	94
APR 15...	0830	81341	780	49	49	6.9	6.8	16.0	16.0	9.3	97
MAY 13...	1435	81341	620	55	49	7.1	7.0	19.7	30.0	8.6	97
JUN 17...	0830	81341	670	57	54	7.0	7.1	21.0	18.0	8.1	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81213	59	.9	19	62	.490	.060	.080	2.6
NOV 12...	81213	14	.8	26	9	.420	.020	.020	1.4
DEC 08...	81213	14	.9	24	13	.440	.030	.050	1.2
JAN 13...	81341	35	<1.0	16	39	.580	.040	.060	2.0
FEB 04...	81341	180	1.5	6	118	.290	.060	.120	5.0
MAR 31...	81341	12	<1.0	20	15	.380	<.030	.020	2.0
APR 15...	81341	39	1.1	16	47	.430	<.030	.040	2.0
MAY 13...	81341	29	1.1	19	42	.460	<.030	.060	2.0
JUN 17...	81341	23	<1.0	20	31	.460	<.030	.060	2.0

SAVANNAH RIVER BASIN

02191239 HUDSON RIVER AT FORT LAMAR, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 22...	1300	81213	117	64	7.3	22.1	34.0	7.4	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 22...	81213	4.9	2.0	<1.0	<2.0	<.5	<1.0	1.2

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 22...	81213	2.3	<2.0	<.1	<1.0	<2.0	9.6

SAVANNAH RIVER BASIN

02191239 HUDSON RIVER AT FORT LAMAR, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	1030	81213	620	54	6.9	12.0	12.0	10.1	95	790
NOV 12...	0955	81213	195	62	6.8	10.0	9.5	10.2	92	170
DEC 08...	1030	81213	500	58	6.5	4.0	.0	11.9	92	130
11...	1300	81213	410	60	7.1	8.5	9.0	11.2	97	80
29...	1445	81213	480	57	7.1	6.0	4.5	11.1	92	490
JAN 05...	1015	81213	470	57	6.8	11.0	14.0	9.9	91	1100
13...	0915	81341	600	53	6.9	10.0	10.0	10.1	91	490
26...	0920	81213	440	54	6.9	5.0	2.0	11.7	93	50
FEB 04...	1740	81341	E6500	43	6.7	7.6	6.5	9.9	86	2300
APR 15...	0830	81341	780	49	6.9	16.0	16.0	9.3	97	700
28...	0800	81213	510	52	7.1	15.0	13.0	9.2	93	790
MAY 05...	0750	81213	1550	46	6.8	15.0	10.0	9.4	96	1100
13...	1435	81341	620	55	7.1	19.7	30.0	8.6	97	210

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 13...	0830	81213	155	65	7.2	23.8	24.0	7.4	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 13...	81213	4.4	1.9	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 13...	81213	<1.0	<2.0	<.1	<1.0	<2.0	10

SAVANNAH RIVER BASIN

02191267 BROAD RIVER NEAR DANIELSVILLE, GA.

LOCATION.--Lat 34°10'54", long 83°08'48", Madison County, Hydrologic Unit 03060104, at upstream side of bridge on State Highway 281, 0.25 mi downstream from Masons Mill Creek, 4.7 mi upstream from Scull Shoal Creek, 5.8 mi northeast of Danielsville, and at mile 50.4.

DRAINAGE AREA.--652 mi².

PERIOD OF RECORD.--January 1997 to October 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0750	81341	380	61	59	7.2	7.3	13.0	8.0	10.1	98
NOV 26...	0920	81341	960	54	55	7.2	7.0	6.5	4.0	11.4	94
DEC 17...	0845	81341	630	58	57	7.2	7.0	5.0	-4.0	12.1	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	15	1.0	14	21	18	.320	<.030	.030	2.0
NOV 26...	81341	20	1.3	10	20	28	.500	<.030	.040	2.0
DEC 17...	81341	9.0	<1.0	14	20	9	.510	<.030	.020	1.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 21...	0750	81341	380	61	7.2	13.0	8.0	10.1	98	490
NOV 26...	0920	81341	960	54	7.2	6.5	4.0	11.4	94	330
DEC 09...	1100	81213	870	59	7.2	5.9	5.5	11.9	97	70
17...	0845	81341	630	58	7.2	5.0	-4.0	12.1	97	330
23...	0845	81213	1020	55	7.2	10.0	8.0	9.4	85	1100

SAVANNAH RIVER BASIN

02191267 BROAD RIVER NEAR DANIELSVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
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OCT 02...	1010	81213	420	61	6.9	20.2	23.0	7.6	85
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DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
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OCT 02...	81213	4.0	1.7	<1.0	<2.0	<.5	<1.0	1.1
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DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
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OCT 02...	81213	1.4	<2.0	<.1	<1.0	<2.0	5.6
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SAVANNAH RIVER BASIN

02191300 BROAD RIVER ABOVE CARLTON, GA.

LOCATION.--Lat 34°04'24", long 83°00'12", Elbert-Madison County line, Hydrologic Unit 03060104, at downstream side of bridge on Georgia Highway 72, 2.7 mi upstream from South Fork Broad River, 2.8 mi northeast of Carlton, Ga.

DRAINAGE AREA.--760 mi².

PERIOD OF RECORD.--July 1897 to December 1912. January 1913 to September 1997 (annual minimum October 1997 to September 1998. Prior to January 1, 1918, published as "near Carlton" (02191500).

GAGE.--Water-stage recorder. Datum of gage is 406.55 ft above sea level (leveling by Global Positioning System equipment). Prior to January 1, 1918, nonrecording gage at Seaboard Coast Line Railway bridge about .75 mile downstream at datum 5.67 ft lower. January 1, 1978 to September 1936, nonrecording gage at bridge 100 ft upstream at same datum. October 1936 to April 1954, nonrecording gage at present site and datum.

REMARKS.--Records good, except those for the periods of estimated daily discharges, which are fair.

PEAK DISCHARGES FOR CURENT YEAR.--Peak discharges greater than base discharge of 8,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	2215	9,880	14.35	Mar. 9	0530	15,400	18.73
Dec. 24	2300	11,700	15.86	Apr. 9	1045	16,000	19.14
Jan. 8	0845	14,100	17.70	Apr. 18	0515	10,100	14.55
Feb. 4	2300	*25,400	*25.36				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	673	1300	1020	1290	1710	1780	1440	6110	1490	898	561	600
2	556	1280	928	1240	1630	1640	1460	4950	1460	875	528	588
3	495	1170	864	1200	5380	1570	2370	3220	1360	826	497	625
4	457	1020	1110	1170	20500	1520	4110	5270	1360	790	478	763
5	423	940	1150	1150	20800	1490	2680	3510	1630	837	456	624
6	387	884	1020	1160	9390	1520	2040	2650	1620	879	437	561
7	358	881	949	1630	4000	1650	1780	2500	1420	805	430	535
8	334	841	903	12000	3150	8490	1670	5980	1310	805	574	512
9	321	759	897	6250	2600	13700	11800	4040	1260	811	637	494
10	304	715	933	2900	2190	6790	7760	3120	1530	758	625	469
11	290	677	961	2290	1790	3690	3450	3870	1600	736	613	453
12	280	649	881	1920	1710	2850	2530	2840	1390	735	561	449
13	269	801	832	1720	1550	2380	2070	2350	1260	690	511	440
14	262	1280	821	1550	1480	2100	2160	2140	1200	662	512	428
15	261	1140	806	1780	1440	1940	2360	1980	1170	626	574	412
16	258	971	773	3400	1820	1790	1920	1860	1140	605	706	400
17	254	858	753	2450	6740	1720	5320	1770	1180	589	1000	388
18	255	798	728	1870	5000	1710	8550	1750	1120	606	896	378
19	389	761	680	2070	2970	1850	5100	1670	1170	582	778	370
20	426	728	644	1940	2340	1720	6180	1610	1230	638	1220	373
21	e310	724	627	1690	1990	1630	3930	1570	1170	575	2260	381
22	e280	5080	735	1610	1740	1580	4690	1540	1120	531	e1050	448
23	263	2240	1010	2560	2480	1550	4080	1520	1120	529	e870	474
24	256	1490	5220	2390	2320	1550	3340	1500	1040	516	e820	415
25	359	1300	8290	1890	1840	1540	2720	1460	951	550	e780	392
26	5040	1180	3020	1700	1670	1480	2390	1440	921	526	e750	382
27	8100	1090	2100	3370	2090	1450	2170	1430	931	592	e710	371
28	3820	1020	1910	4100	2220	1430	1970	1430	918	846	e680	364
29	1960	962	1630	2480	---	1410	1870	1380	896	677	e640	386
30	1550	989	1480	2040	---	1400	3290	1380	877	591	e610	1380
31	1360	---	1370	1830	---	1420	---	1600	---	574	584	---
TOTAL	30550	34528	45045	76640	114540	78340	107200	79440	36844	21260	22348	14855
MEAN	985	1151	1453	2472	4091	2527	3573	2563	1228	686	721	495
MAX	8100	5080	8290	12000	20800	13700	11800	6110	1630	898	2260	1380
MIN	254	649	627	1150	1440	1400	1440	1380	877	516	430	364
CFSM	1.30	1.51	1.91	3.25	5.38	3.33	4.70	3.37	1.62	.90	.95	.65
IN.	1.50	1.69	2.20	3.75	5.61	3.83	5.25	3.89	1.80	1.04	1.09	.73

e Estimated.

SAVANNAH RIVER BASIN

02191300 BROAD RIVER ABOVE CARLTON, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	874	810	1340	1486	2426	2335	1615	1233	1392	1183	1390	1142
MAX	1919	1151	2959	3624	5010	4476	3573	2563	2996	2341	4488	3665
(WY)	1899	1998	1902	1906	1902	1902	1998	1998	1900	1906	1908	1898
MIN	314	397	683	741	575	687	556	524	422	522	630	381
(WY)	1905	1906	1904	1904	1898	1905	1905	1898	1898	1904	1905	1897

SUMMARY STATISTICS

FOR 1998 WATER YEAR

WATER YEARS 1897 - 1998

ANNUAL TOTAL	661590		
ANNUAL MEAN	1813		1441
HIGHEST ANNUAL MEAN			1860
LOWEST ANNUAL MEAN			1901
HIGHEST DAILY MEAN	20800	Feb 5	47200
LOWEST DAILY MEAN	254	Oct 17	254
ANNUAL SEVEN-DAY MINIMUM	263	Oct 12	263
INSTANTANEOUS PEAK FLOW	25400	Feb 4	70000
INSTANTANEOUS PEAK STAGE	25.36	Feb 4	a39.00
ANNUAL RUNOFF (CFSM)	2.38		1.90
ANNUAL RUNOFF (INCHES)	32.38		25.76
10 PERCENT EXCEEDS	3580		2360
50 PERCENT EXCEEDS	1240		870
90 PERCENT EXCEEDS	434		500

a At site and datum then in use.

SAVANNAH RIVER BASIN

02191700 SOUTH FORK BROAD RIVER NEAR COMER, GA.

LOCATION.--Lat 34°03'40", long 83°09'22", Madison-Oglethorpe County line, Hydrologic Unit 03060104, at upstream side of bridge on State Highway 72, 1.2 mi downstream from Brush Creek, 1.7 mi west of Comer, 2.1 mi upstream from Beaverdam Creek, and 15.8 mi above mouth. DRAINAGE AREA.--89.4 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	0900	81213	79	43	43	6.7	7.2	8.0	7.0	11.4	97
JUL 08...	0815	81213	36	56	44	6.9	7.4	22.8	24.0	7.6	89
24...	0750	81213	280	40	41	6.4	6.8	24.7	26.2	7.4	90
SEP 15...	0910	81213	20	44	45	6.9	7.2	21.1	25.0	7.5	86

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	14	1.2	12	8	.500	.080	.030	5.7
JUL 08...	81213	4.3	.8	18	4	.370	.050	.030	1.7
24...	81213	230	2.6	14	88	.330	.100	.100	2.1
SEP 15...	81213	7.8	.2	20	5	.200	.030	<.020	2.6

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	0900	81213	79	43	6.7	8.0	7.0	11.4	97	240
JUL 08...	0815	81213	36	56	6.9	22.8	24.0	7.6	89	230
10...	0855	81213	50	44	7.0	23.7	28.0	7.8	93	E200
14...	0550	81213	32	46	7.1	24.0	22.0	7.9	96	490
24...	0750	81213	280	40	6.4	24.7	26.2	7.4	90	3300
SEP 15...	0910	81213	20	44	6.9	21.1	25.0	7.5	86	130

SAVANNAH RIVER BASIN

02191700 SOUTH FORK BROAD RIVER NEAR COMER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 30...	1720	81213	32	44	7.2	24.9	22.5	7.0	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 30...	81213	2.6	1.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 30...	81213	2.9	<2.0	<.1	<1.0	<2.0	2.3

SAVANNAH RIVER BASIN

02191700 SOUTH FORK BROAD RIVER NEAR COMER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	0620	81213	770	43	40	6.5	6.7	12.0	4.0	10.2	96
NOV 12...	0700	81213	71	46	47	6.7	7.0	10.0	5.5	10.6	96
DEC 08...	0600	81213	35	46	45	6.9	7.0	6.0	-3.0	11.9	97
JAN 13...	0600	81341	120	42	--	6.6	6.8	11.0	10.5	10.4	96
FEB 04...	1425	81341	>10000	24	26	6.7	6.5	7.7	7.2	10.9	95
MAR 31...	0545	81341	163	38	37	6.8	6.9	18.0	17.0	7.8	84
APR 15...	0500	81341	530	35	35	6.5	6.5	16.0	15.5	9.2	95
MAY 13...	1040	81341	260	39	39	7.0	6.8	19.0	25.0	8.5	93
JUN 17...	0500	81341	118	40	38	6.7	6.7	23.0	20.0	7.8	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81213	73	1.3	12	53	.400	.050	.110	4.1
NOV 12...	81213	10	1.0	15	3	.350	.020	.030	1.8
DEC 08...	81213	13	.7	16	12	.420	.040	<.020	1.8
JAN 13...	81341	44	1.0	10	53	.560	.110	.100	4.0
FEB 04...	81341	120	2.1	6	194	.300	.150	.190	5.0
MAR 31...	81341	9.0	<1.0	12	12	.440	<.030	<.020	2.0
APR 15...	81341	48	1.6	8	35	.390	.060	.100	4.0
MAY 13...	81341	25	1.4	11	25	.420	<.030	.060	3.0
JUN 17...	81341	9.0	<1.0	11	12	.430	.030	.040	2.0

SAVANNAH RIVER BASIN

02191700 SOUTH FORK BROAD RIVER NEAR COMER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	0620	81213	770	43	6.5	12.0	4.0	10.2	96	490
NOV 12...	0700	81213	71	46	6.7	10.0	5.5	10.6	96	110
DEC 08...	0600	81213	35	46	6.9	6.0	-3.0	11.9	97	80
11...	0900	81213	113	44	7.1	7.8	8.5	11.2	96	50
29...	0945	81213	650	37	6.7	7.5	3.0	10.8	93	1100
JAN 05...	0645	81213	118	43	6.6	10.0	12.0	10.7	96	170
13...	0600	81341	120	42	6.6	11.0	10.5	10.4	96	490
26...	0600	81213	188	40	6.7	6.0	1.0	11.1	90	220
FEB 04...	1425	81341	>10000	24	6.7	7.7	7.2	10.9	95	4900
APR 15...	0500	81341	530	35	6.5	16.0	15.5	9.2	95	4900
28...	0500	81213	235	39	6.8	16.0	13.0	9.1	94	230
MAY 05...	0445	81213	235	38	6.7	16.5	10.5	9.0	95	330
13...	1040	81341	260	39	7.0	19.0	25.0	8.5	93	220

SAVANNAH RIVER BASIN

02191700 SOUTH FORK BROAD RIVER NEAR COMER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 13...	1030	81213	49	42	7.2	24.4	27.9	7.5	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 13...	81213	2.2	1.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 13...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.2

SAVANNAH RIVER BASIN

02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA.

LOCATION.--Lat 34°01'53", long 83°00'33", Madison-Oglethorpe County line, Hydrologic Unit 03060104, at downstream side of bridge on county road 394, 1.7 mi southeast of Carlton, 2.25 mi downstream from Beaver Creek, 2.25 mi upstream from Fork Creek, and 2.9 mi above mouth.
DRAINAGE AREA.--224 mi².

PERIOD OF RECORD.--January 1997 to September 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1000	81213	190	47	48	7.0	7.2	7.0	11.0	10.8	89
JUL 08...	0900	81213	115	52	52	7.0	7.5	22.9	23.0	6.7	78
24...	0845	81213	460	47	48	7.1	7.0	24.1	28.8	7.4	89
SEP 15...	1000	81213	52	49	52	7.0	7.4	22.1	28.0	7.6	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	14	.6	15	12	.440	.060	.040	6.3
JUL 08...	81213	6.5	.7	23	3	.340	.020	<.020	1.5
24...	81213	65	2.6	17	96	.440	.200	.120	2.1
SEP 15...	81213	6.6	<.1	23	7	.190	.020	<.020	1.9

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	1000	81213	190	47	7.0	7.0	11.0	10.8	89	79
JUL 08...	0900	81213	115	52	7.0	22.9	23.0	6.7	78	700
10...	0950	81213	155	52	7.1	24.0	31.0	7.5	90	330
14...	0630	81213	88	51	6.9	24.0	22.0	7.9	96	80
24...	0845	81213	460	47	7.1	24.1	28.8	7.4	89	7900
SEP 15...	1000	81213	52	49	7.0	22.1	28.0	7.6	89	80

SAVANNAH RIVER BASIN

02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 30...	1615	81213	98	52	7.2	25.8	23.5	6.8	85

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 30...	81213	3.2	1.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 30...	81213	1.9	<2.0	<.1	<1.0	<2.0	10

SAVANNAH RIVER BASIN

02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	0700	81213	465	42	43	6.8	6.8	12.0	4.0	10.2	96
NOV 12...	0715	81213	160	51	53	6.7	7.1	9.9	6.0	10.5	95
DEC 08...	0645	81213	88	49	49	6.9	7.2	5.0	-3.0	12.0	96
JAN 13...	0645	81341	470	43	--	6.6	6.9	11.0	10.0	10.0	92
FEB 04...	1455	81341	>10000	23	24	6.6	6.5	7.7	8.4	10.9	95
MAR 31...	0615	81341	150	43	41	7.0	6.8	18.0	18.0	7.7	83
APR 15...	0530	81341	610	38	36	6.8	6.7	16.0	16.0	9.2	95
MAY 13...	1120	81341	515	41	41	7.0	6.9	19.3	27.0	8.4	93
JUN 17...	0530	81341	340	47	45	6.9	6.6	23.0	20.0	7.9	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CaCO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81213	72	1.5	13	55	.370	.030	.110	3.8
NOV 12...	81213	7.0	.7	19	4	.280	.020	<.020	1.7
DEC 08...	81213	9.1	.8	20	7	.360	.030	<.020	1.9
JAN 13...	81341	40	1.0	10	40	.460	.060	.080	4.0
FEB 04...	81341	130	1.7	7	190	.220	.050	.100	5.0
MAR 31...	81341	7.0	<1.0	13	8	.370	<.030	.020	2.0
APR 15...	81341	46	1.7	9	43	.370	<.030	.100	4.0
MAY 13...	81341	20	1.1	13	19	.380	<.030	.050	3.0
JUN 17...	81341	9.0	<1.0	15	9	.410	<.030	.030	2.0

SAVANNAH RIVER BASIN

02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, EC BROTH (MPN)
(00028)	(00061)	(00095)	(00400)	(00010)	(00020)	(00300)	(00301)	(31615)		
OCT 30...	0700	81213	465	42	6.8	12.0	4.0	10.2	96	490
NOV 12...	0715	81213	160	51	6.7	9.9	6.0	10.5	95	130
DEC 08...	0645	81213	88	49	6.9	5.0	-3.0	12.0	96	80
11...	0930	81213	280	49	7.2	8.0	8.5	10.8	93	460
29...	1045	81213	800	38	6.9	7.0	2.5	11.1	94	1300
JAN 05...	0720	81213	470	42	6.8	10.0	12.0	10.5	94	80
13...	0645	81341	470	43	6.6	11.0	10.0	10.0	92	490
26...	0645	81213	950	41	6.7	6.0	1.0	11.1	90	50
FEB 04...	1455	81341	>10000	23	6.6	7.7	8.4	10.9	95	2200
APR 15...	0530	81341	610	38	6.8	16.0	16.0	9.2	95	790
28...	0530	81213	505	42	6.8	16.0	13.0	9.0	92	170
MAY 05...	0515	81213	225	42	6.9	16.0	12.0	9.0	93	110
13...	1120	81341	515	41	7.0	19.3	27.0	8.4	93	330

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
		(00028)	(00061)	(00095)	(00400)	(00010)	(00020)	(00300)	(00301)
SEP 28...	1325	81213	40	50	7.2	22.4	28.0	7.0	82

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	ANTI- MONY, TOTAL (UG/L AS SB)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)
	(00028)	(00916)	(00927)	(01097)	(01002)	(01027)	(01034)	(01042)
SEP 28...	81213	3.1	1.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	THAL- LIUM, TOTAL (UG/L AS TL)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
	(00028)	(01051)	(01059)	(71900)	(01067)	(01147)	(01092)
SEP 28...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.1

SAVANNAH RIVER BASIN

02191982 CLARK CREEK NEAR TIGNALL, GA.

LOCATION.--Lat 33°55'35", long 82°48'36", Wilkes County, Hydrologic Unit 03060104, at bridge on County Road 113, 0.75 mi upstream from Susan Smith Branch, 1.5 mi above mouth, 5.4 mi downstream from Greensboro Branch, and 5.7 mi northwest of Tignall.

DRAINAGE AREA.--47.0 mi².

PERIOD OF RECORD.--January 1997 to February 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0600	81341	8.5	108	106	7.4	7.6	15.0	14.0	9.1	92
NOV 25...	1115	81341	21	83	85	7.4	7.2	7.0	10.8	10.8	89
DEC 16...	0800	81341	5.9	58	58	7.4	6.9	1.0	-6.0	13.6	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	81341	5.0	<1.0	28	44	3	.030	<.030	.030	4.0
NOV 25...	81341	6.0	<1.0	20	30	3	<.020	<.030	.020	4.0
DEC 16...	81341	8.0	<1.0	16	19	13	.380	<.030	.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 22...	0600	81341	8.5	108	7.4	15.0	14.0	9.1	92	1100
NOV 25...	1115	81341	21	83	7.4	7.0	10.8	10.8	89	130
DEC 04...	1415	81213	29	90	7.4	12.5	18.5	9.5	91	170
16...	0800	81341	5.9	58	7.4	1.0	-6.0	13.6	97	170
22...	0715	81213	8.0	57	7.3	10.0	8.0	10.8	97	170

SAVANNAH RIVER BASIN

02191982 CLARK CREEK NEAR TIGNALL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 19...	1230	81213	92	55	6.6	9.0	19.5	11.0	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 19...	81213	4.0	1.4	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 19...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.0

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.

LOCATION.--Lat 33°58'27", long 82°46'12", Elbert-Wilkes County line, Hydrologic Unit 03060104, at downstream side of main channel pier of bridge on State Highway 17, 0.5 mi downstream from Long Creek, 1 mi south of Bells Crossroads, and 12 mi southeast of Elberton.

DRAINAGE AREA.--1,430 mi², approximately.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 357.16 ft above sea level. Prior to October 1928, nonrecording gage at railroad bridge about 1 mi downstream at datum 1.12 ft lower. October 1928 to July 1932, and August 1937 to January 1939, nonrecording gage at present site and datum.

REMARKS.--Records good, except those for the periods of estimated daily discharges, which are fair. Records of chemical analyses for the 1970-79 water years are in reports of the U.S. Geological Survey. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	2300	14,800	17.96	Feb. 5	0900	*43,200	*28.42
Dec. 25	1730	24,800	23.17	Mar. 9	2100	27,500	24.25
Jan. 9	0500	21,200	21.50	Apr. 10	1400	15,000	18.05

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1060	1700	1810	2020	2510	3080	e2000	9360	1880	1070	884	657
2	822	1720	1570	1830	2320	2750	e2000	7760	1780	1090	843	674
3	712	1590	1380	1730	5740	2550	e3800	4330	1680	1050	792	798
4	656	1330	1580	1660	23700	2410	12000	4750	1610	1020	759	1480
5	621	1180	1990	1620	41400	e2350	6910	4610	2000	1010	731	1210
6	596	1100	1640	1620	29400	e2400	3600	3230	2190	1100	707	906
7	574	1130	1440	1730	13800	3060	2930	2930	1890	1020	692	792
8	558	1160	1340	13600	5530	8980	2630	8360	1660	982	824	742
9	547	1090	1360	19400	4660	23900	6660	8020	1570	1130	985	706
10	550	1030	1580	8130	4020	22300	14100	4260	1860	1100	1140	663
11	538	987	1740	3810	3600	9300	7670	6140	2130	1000	1020	640
12	530	960	1580	3050	3450	4740	3860	4290	1910	947	913	639
13	524	1270	1430	2690	3140	4010	3280	3250	1680	1070	847	638
14	517	3410	1360	2450	2820	3600	3140	2880	1540	994	817	624
15	522	3480	1340	2560	2610	3310	3710	2670	1460	934	869	608
16	530	2040	1290	5260	2640	3010	3120	e2550	1420	922	1060	594
17	530	1530	1250	5130	6840	2730	3350	e2400	1470	890	1230	589
18	538	1320	1230	3370	9210	2640	8330	e2300	1440	908	1420	585
19	590	1230	1190	3980	5160	2890	6340	e2200	1420	906	1120	583
20	819	1160	1160	4180	3750	2860	7610	2130	1690	961	1110	595
21	715	1150	1150	3000	3210	2590	5580	2050	1620	945	2360	613
22	628	4040	1330	2730	2930	2410	6050	1990	1440	894	1600	679
23	604	4610	1940	5130	4430	e2350	6000	1940	1380	938	1120	762
24	590	2470	8490	4940	4840	e2300	4640	1890	1350	1000	982	708
25	667	1940	22600	3270	3390	e2250	3760	1850	1290	1000	901	647
26	4000	1680	17000	2670	2930	e2200	3220	1810	1240	945	839	618
27	13100	1550	5180	5750	3190	e2150	2920	1770	1200	912	783	599
28	11500	1420	4120	10500	3720	e2100	2690	1850	1170	1300	745	588
29	3620	1340	3210	5280	---	e2100	2530	1760	1130	1230	711	598
30	2500	1620	2730	3360	---	e2050	4180	1700	1080	1010	681	1300
31	1900	---	2310	2830	---	e2050	---	1880	---	922	657	---
TOTAL	52158	52237	99320	139280	204940	137420	148610	108910	47180	31200	30142	21835
MEAN	1683	1741	3204	4493	7319	4433	4954	3513	1573	1006	972	728
MAX	13100	4610	22600	19400	41400	23900	14100	9360	2190	1300	2360	1480
MIN	517	960	1150	1620	2320	2050	2000	1700	1080	890	657	583
CFSM	1.18	1.22	2.24	3.14	5.12	3.10	3.46	2.46	1.10	.70	.68	.51
IN.	1.36	1.36	2.58	3.62	5.33	3.57	3.87	2.83	1.23	.81	.78	.57

e Estimated

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1126	1289	1832	2494	2916	3316	2492	1770	1393	1183	1095	899
MAX	5768	6158	5506	5373	7319	10130	7718	4496	4279	3171	5319	4472
(WY)	1930	1949	1984	1974	1998	1929	1964	1964	1967	1938	1928	1929
MIN	148	392	455	506	803	970	766	511	238	162	212	159
(WY)	1955	1982	1956	1956	1989	1988	1986	1941	1988	1986	1988	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1927 - 1998	
ANNUAL TOTAL	701943		1073232		1818	
ANNUAL MEAN	1923		2940		3261	
HIGHEST ANNUAL MEAN					692	
LOWEST ANNUAL MEAN					70600	
HIGHEST DAILY MEAN	23400	Mar 2	41400	Feb 5	96	Oct 2 1929
LOWEST DAILY MEAN	340	Sep 9	517	Oct 14	106	Jul 23 1986
ANNUAL SEVEN-DAY MINIMUM	349	Sep 18	527	Oct 11	106	Jul 19 1986
INSTANTANEOUS PEAK FLOW			43200	Feb 5	a79400	Oct 2 1929
INSTANTANEOUS PEAK STAGE			28.42	Feb 5	34.80	Oct 2 1929
ANNUAL RUNOFF (CFSM)	1.34		2.06		1.27	
ANNUAL RUNOFF (INCHES)	18.26		27.92		17.27	
10 PERCENT EXCEEDS	3100		5640		3170	
50 PERCENT EXCEEDS	1300		1700		1150	
90 PERCENT EXCEEDS	523		657		517	

a From rating curve extended above 50,000 ft³/s on basis of slope-conveyance studies.

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1997 to September 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0530	81341	640	63	62	7.5	7.4	16.0	14.0	9.0	93
NOV 25...	1045	81341	1940	52	51	7.3	7.0	8.5	9.5	10.6	90
DEC 16...	0730	81341	1300	58	58	7.4	6.9	3.0	-6.0	12.8	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	81341	14	<1.0	21	.290	<.030	.040	2.0
NOV 25...	81341	36	1.0	16	.440	<.030	.040	2.0
DEC 16...	81341	9.0	<1.0	22	.380	<.030	.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 22...	0530	81341	640	63	7.5	16.0	14.0	9.0	93	130
NOV 25...	1045	81341	1940	52	7.3	8.5	9.5	10.6	90	170
DEC 04...	1340	81213	1570	56	7.3	11.5	18.0	10.4	97	80
16...	0730	81341	1300	58	7.4	3.0	-6.0	12.8	96	110
22...	0645	81213	1190	57	7.3	10.0	8.0	10.8	97	130

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
SEP 28...	1200	81213	586	62	6.5	23.6	27.0	7.5	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
SEP 28...	81213	4.3	1.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
SEP 28...	81213	<1.0	<2.0	<.1	<1.0	<2.0	16

SAVANNAH RIVER BASIN

02192140 PISTOL CREEK NEAR TIGNALL, GA.

LOCATION.--Lat 33°56'01", long 82°41'11", Wilkes County, Hydrologic Unit 03060103, at downstream side of bridge on county road 128, 1.3 mi upstream from Chapel Branch, 5.5 mi northeast of Tignall, 8.1 mi above mouth.

DRAINAGE AREA.--8.70 mi².

PERIOD OF RECORD.--January 1997 to February 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0630	81341	.70	120	118	7.7	7.7	14.0	14.0	9.0	89
NOV 25...	1200	81341	2.2	97	99	7.4	7.5	5.8	11.8	12.0	96
DEC 16...	0830	81341	3.2	101	108	7.6	7.3	1.0	-6.0	13.5	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CaCO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	81341	7.0	<1.0	40	50	12	.060	<.030	.030	3.0
NOV 25...	81341	13	<1.0	12	38	1	.080	<.030	.030	3.0
DEC 16...	81341	7.0	<1.0	32	42	--	.070	<.030	.030	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 22...	0630	81341	.70	120	7.7	14.0	14.0	9.0	89	330
NOV 25...	1200	81341	2.2	97	7.4	5.8	11.8	12.0	96	80
DEC 04...	1500	81213	3.8	106	7.8	13.0	14.5	10.1	98	230
16...	0830	81341	3.2	101	7.6	1.0	-6.0	13.5	96	270
31...	0700	81341	4.8	96	7.4	6.0	.0	12.0	98	1500
JAN 02...	0700	81341	5.5	94	7.4	3.0	-6.0	13.0	96	210

SAVANNAH RIVER BASIN

02192140 PISTOL CREEK NEAR TIGNALL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 19...	1400	81213	13	63	6.9	10.5	21.0	11.4	104

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 19...	81213	4.5	2.0	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 19...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.1

SAVANNAH RIVER BASIN

02193325 LITTLE RIVER AT COUNTY ROAD 192, NEAR WASHINGTON, GA

LOCATION.--Lat 33°39'03", long 82°49'58", Wilkes-Taliaferro County line, Hydrologic Unit 03060105, at bridge on County Road 192, 1.7 mi upstream from Kettle Creek, 2.3 mi downstream from Powder Creek, 8 mi southwest of Washington, and at mile 66.4.

DRAINAGE AREA.--154 mi².

PERIOD OF RECORD.--January 1997 to February 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0730	81341	27	124	123	7.6	7.5	14.5	14.5	9.0	90
NOV 25...	1300	81341	86	96	95	7.3	7.2	8.0	15.0	10.4	87
DEC 16...	0930	81341	96	96	95	7.4	6.9	4.0	-3.0	12.0	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	81341	6.0	<1.0	40	54	6	.030	<.030	.030	3.0
NOV 25...	81341	10	<1.0	22	37	5	.040	<.030	.020	4.0
DEC 16...	81341	11	<1.0	30	38	4	.070	<.030	.030	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 22...	0730	81341	27	124	7.6	14.5	14.5	9.0	90	460
NOV 25...	1300	81341	86	96	7.3	8.0	15.0	10.4	87	80
DEC 04...	1550	81213	108	95	7.4	12.5	14.5	9.1	87	80
16...	0930	81341	96	96	7.4	4.0	-3.0	12.0	93	170
22...	0830	81213	84	98	7.4	11.0	8.0	10.1	92	700

SAVANNAH RIVER BASIN

02193325 LITTLE RIVER AT COUNTY ROAD 192, NEAR WASHINGTON, GA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 24...	1605	81213	670	52	6.9	10.3	22.5	9.9	90

DATE	UNITED AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 24...	81213	4.0	1.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 24...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.7

SAVANNAH RIVER BASIN

02193340 KETTLE CREEK NEAR WASHINGTON, GA.

LOCATION.--Lat 33°40'57", long 82° 51'29", Wilkes County, Hydrologic Unit 03060105, on right bank, 300 ft upstream from County Road 68, 1.35 mi upstream from Little Kettle Creek, and 7.8 mi southwest of Washington.

DRAINAGE AREA.--33.9 mi².

PERIOD OF RECORD.--April 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 416.06 ft above sea level.

REMARKS.--Records good, except those for the period of estimated daily discharge and those less than 10 ft³/s, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1430	647	7.49	Feb. 4	1200	*2,600	*13.62
Nov. 14	0300	876	8.34	Mar. 8	2400	2,490	13.30
Dec. 24	1730	2,560	13.49	Apr. 3	1645	2,260	12.60
Jan. 8	0215	822	8.15	Apr. 9	0315	805	8.09
Jan. 27	1130	1,930	11.60				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	17	41	24	33	35	25	84	14	6.4	4.3	3.9
2	8.3	40	30	23	32	33	25	61	13	6.5	4.1	3.9
3	7.7	25	24	22	709	31	593	48	12	6.9	4.1	57
4	7.5	17	21	21	1570	30	288	60	12	6.7	4.0	31
5	7.3	13	20	22	181	31	65	51	22	8.7	3.9	8.3
6	7.3	12	18	22	72	48	46	38	17	6.0	3.9	6.6
7	7.3	21	16	26	53	139	39	36	13	5.6	3.9	5.8
8	7.2	27	15	257	45	1340	42	157	12	6.0	4.1	5.8
9	7.2	18	20	57	40	736	360	60	17	6.4	29	5.6
10	7.3	14	30	38	35	95	67	64	29	5.6	18	5.2
11	7.3	13	37	32	35	63	48	81	15	5.0	6.3	5.4
12	7.4	12	33	28	34	51	41	58	12	5.4	5.2	5.3
13	7.7	52	29	29	31	44	36	43	11	5.2	5.1	5.2
14	7.7	293	27	27	30	40	38	36	10	4.7	5.8	5.1
15	8.0	64	25	48	28	37	45	31	10	4.7	6.3	5.1
16	9.3	41	22	67	42	34	38	27	12	4.7	7.5	5.1
17	9.0	28	20	46	145	32	32	24	11	7.0	10	5.0
18	9.0	22	19	35	78	32	31	22	10	6.9	5.9	5.1
19	12	18	18	108	48	35	46	21	13	5.0	5.5	5.6
20	10	16	17	54	41	34	57	19	16	4.5	6.8	5.5
21	8.8	17	16	40	36	32	39	17	11	5.3	5.3	7.1
22	9.8	28	e46	90	71	29	95	16	9.7	4.6	5.1	6.8
23	9.9	27	e32	192	161	27	63	16	9.2	4.8	4.7	5.4
24	11	20	1370	63	61	26	55	15	8.7	5.8	4.6	5.0
25	16	17	210	43	45	26	44	15	8.2	4.9	4.4	4.9
26	166	15	66	37	39	26	35	15	7.9	4.7	4.3	4.9
27	73	15	62	554	45	25	30	14	7.8	4.6	4.1	4.9
28	30	14	46	117	40	25	27	14	7.3	4.9	4.1	5.5
29	17	14	37	57	---	24	26	14	6.9	4.5	4.1	5.8
30	13	42	32	44	---	23	160	14	6.6	4.3	3.9	7.2
31	12	---	28	37	---	23	---	15	---	4.3	3.9	---
TOTAL	530.4	972	2427	2260	3780	3206	2536	1186	364.3	170.6	192.2	243.0
MEAN	17.1	32.4	78.3	72.9	135	103	84.5	38.3	12.1	5.50	6.20	8.10
MAX	166	293	1370	554	1570	1340	593	157	29	8.7	29	57
MIN	7.2	12	15	21	28	23	25	14	6.6	4.3	3.9	3.9
CFSM	.50	.96	2.31	2.15	3.98	3.05	2.49	1.13	.36	.16	.18	.24
IN.	.58	1.07	2.66	2.48	4.15	3.52	2.78	1.30	.40	.19	.21	.27

e Estimated.

SAVANNAH RIVER BASIN

02193340 KETTLE CREEK NEAR WASHINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	22.2	23.5	27.7	47.2	67.2	64.6	35.2	18.9	13.3	11.2	16.6	9.96
MAX	89.7	91.5	78.3	101	137	111	84.5	49.6	39.6	45.9	78.7	25.1
(WY)	1990	1993	1998	1993	1995	1993	1998	1991	1994	1994	1994	1994
MIN	2.20	4.09	3.95	6.68	12.0	15.2	14.0	6.25	2.49	1.49	.72	2.30
(WY)	1989	1989	1989	1989	1989	1988	1994	1994	1988	1988	1988	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1986 - 1998			
ANNUAL TOTAL	12676.1				17867.5							
ANNUAL MEAN	34.7				49.0				30.0			
HIGHEST ANNUAL MEAN									49.0			
LOWEST ANNUAL MEAN									10.4			
HIGHEST DAILY MEAN	1370				1570				2170			
LOWEST DAILY MEAN	2.8				3.9				.12			
ANNUAL SEVEN-DAY MINIMUM	3.5				4.0				.23			
INSTANTANEOUS PEAK FLOW					b2600				b4150			
INSTANTANEOUS PEAK STAGE					13.62				17.68			
ANNUAL RUNOFF (CFSM)	1.02				1.44				.88			
ANNUAL RUNOFF (INCHES)	13.91				19.61				12.00			
10 PERCENT EXCEEDS	46				64				48			
50 PERCENT EXCEEDS	15				20				12			
90 PERCENT EXCEEDS	6.2				5.0				3.0			

a Aug. 5-7 and Aug. 30 through Sept. 2.

b From rating curve extended above 1,300 ft³/s on basis of contracted-opening measurement of peak discharge.

SAVANNAH RIVER BASIN

02193500 LITTLE RIVER NEAR WASHINGTON, GA.

LOCATION.--Lat 33°36'40", long 82°44'40", Wilkes-Taliaferro County line, Hydrologic Unit 03060105, on left bank on downstream side of county highway bridge pier, 700 ft downstream from Reedy Creek, 4 mi downstream from Georgia Railway bridge, 6 mi upstream from Williams Creek, and 9 mi south of Washington.

DRAINAGE AREA.--291 mi².

PERIOD OF RECORD.--October 1949 to September 1970, May 1989 to current year.

REVISED RECORDS.--WSP 1383: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 353.88 ft above sea level (leveling by global positioning system equipment). October 1, 1949 to June 23, 1971, recording gage at same site and approximately same datum.

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURRENT PERIOD.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 25	0900	7,520	23.11	Mar. 9	1200	*11,300	*26.39
Feb. 5	0100	11,100	26.22	Apr. 4	1430	5,920	21.41

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	170	459	296	355	357	185	1000	95	39	25	15
2	85	583	300	266	314	313	178	654	87	38	26	14
3	74	376	217	246	1200	281	1020	375	81	38	25	258
4	69	216	198	229	6810	258	5100	471	76	38	22	687
5	65	155	191	217	9130	251	3690	472	88	42	21	162
6	62	129	167	212	3600	343	1160	314	115	42	20	77
7	61	133	148	221	1040	879	481	278	99	37	20	54
8	59	190	140	1140	585	2780	397	1180	78	36	20	46
9	58	153	205	1760	487	10300	1300	1410	77	35	22	42
10	57	128	308	1520	427	5950	1570	1510	115	34	56	36
11	57	113	359	473	392	1740	744	1720	87	32	43	34
12	56	108	286	362	378	602	403	915	77	32	29	33
13	56	311	234	330	344	479	339	411	70	34	25	32
14	56	1190	205	328	318	422	336	328	64	34	27	31
15	58	1050	199	415	297	381	403	282	61	32	31	30
16	60	723	180	870	311	344	336	246	64	31	35	34
17	65	328	165	674	1000	313	295	222	67	34	56	37
18	66	245	155	459	1050	300	282	200	64	67	40	35
19	72	204	144	820	693	346	280	182	67	53	36	33
20	72	176	136	876	446	342	403	165	107	37	37	32
21	66	161	133	500	370	295	356	152	95	33	33	33
22	66	249	338	463	426	258	625	140	72	31	27	40
23	68	262	472	1730	1230	235	598	132	62	31	25	38
24	70	197	2100	1280	1080	222	421	124	58	31	23	34
25	89	162	6950	576	627	214	327	119	55	34	22	31
26	669	146	4690	409	421	202	266	112	51	35	20	30
27	1470	137	1640	1320	426	195	229	106	49	31	19	29
28	792	131	689	2450	426	189	205	101	46	30	18	28
29	305	128	506	1500	---	183	189	97	44	29	17	30
30	197	290	420	591	---	175	458	93	42	27	16	39
31	150	---	351	421	---	173	---	96	---	26	16	---
TOTAL	5257	8544	22685	22954	34183	29322	22576	13607	2213	1103	852	2054
MEAN	170	285	732	740	1221	946	753	439	73.8	35.6	27.5	68.5
MAX	1470	1190	6950	2450	9130	10300	5100	1720	115	67	56	687
MIN	56	108	133	212	297	173	178	93	42	26	16	14
CFSM	.58	.98	2.51	2.54	4.20	3.25	2.59	1.51	.25	.12	.09	.24
IN.	.67	1.09	2.90	2.93	4.37	3.75	2.89	1.74	.28	.14	.11	.26

SAVANNAH RIVER BASIN

02193500 LITTLE RIVER NEAR WASHINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	158	148	252	431	574	658	399	272	128	102	91.7	67.6
MAX	834	1037	1096	1123	1419	1939	1273	997	430	514	616	201
(WY)	1990	1993	1965	1960	1995	1952	1961	1964	1963	1967	1994	1959
MIN	.44	12.8	36.2	47.8	151	129	120	54.5	34.4	18.1	10.7	1.72
(WY)	1955	1955	1956	1956	1950	1955	1954	1994	1956	1990	1954	1954

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1950 - 1998

ANNUAL TOTAL	106074	165350	
ANNUAL MEAN	291	453	268
HIGHEST ANNUAL MEAN			500
LOWEST ANNUAL MEAN			107
HIGHEST DAILY MEAN	6950	Dec 25	10300
LOWEST DAILY MEAN	30	Sep 22	14
ANNUAL SEVEN-DAY MINIMUM	32	Sep 18	16
INSTANTANEOUS PEAK FLOW			11300
INSTANTANEOUS PEAK STAGE			26.39
INSTANTANEOUS LOW FLOW			14
ANNUAL RUNOFF (CFSM)	1.00		1.56
ANNUAL RUNOFF (INCHES)	13.56		21.14
10 PERCENT EXCEEDS	550		1030
50 PERCENT EXCEEDS	129		176
90 PERCENT EXCEEDS	51		31
			28
			13400
			Mar 3 1971
			Oct 12 1954
			.32
			Oct 11 1954
			15500
			Mar 3 1971
			27.93
			Mar 3 1971
			.32
			Oct 12 1954
			.92
			12.53
			530
			104
			28

a Datum then in use.

SAVANNAH RIVER BASIN

02193750 LITTLE RIVER AT US HIGHWAY 78, NEAR WASHINGTON, GA.

LOCATION.--Lat 33°38'15", long 82°35'44", McDuffie-Wilkes County line, Hydrologic Unit 03060105, at U.S. Highway 78, at mouth, in Thurmond Lake, 0.7 miles downstream from Rocky Creek, and 11 miles southeast of Washington.

DRAINAGE AREA.--400 mi².

PERIOD OF RECORD.--July 1991 to February 1994, January 1997 to April 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	0430	81341	9.88	234	228	7.3	7.4	18.0	14.0	8.1	86
NOV 06...	0530	81341	10.15	113	110	7.1	7.2	10.0	5.0	10.0	89
DEC 04...	0545	81341	10.45	102	102	7.2	7.3	12.0	13.0	9.6	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)
OCT 16...	81341	8.0	<1.0	57
NOV 06...	81341	26	1.0	31
DEC 04...	81341	21	<1.0	33

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 16...	81341	.140	<.030	--	.40	.54	.060	4.0
NOV 06...	81341	.090	.030	.37	.40	.49	.060	6.0
DEC 04...	81341	.060	<.030	--	.30	.36	.030	5.0

SAVANNAH RIVER BASIN

02193750 LITTLE RIVER AT US HIGHWAY 78, NEAR WASHINGTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
01...	0445	81213	10.17	97	7.1	18.0	16.0	7.9	85	490
16...	0430	81341	9.88	234	7.3	18.0	14.0	8.1	86	230
NOV										
06...	0530	81341	10.15	113	7.1	10.0	5.0	10.0	89	310
20...	0630	81213	10.37	106	7.2	6.0	1.0	11.4	92	220
25...	0630	81213	10.25	112	7.2	7.5	1.0	11.0	92	330
DEC										
04...	0545	81341	10.45	102	7.2	12.0	13.0	9.6	91	330

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
APR									
01...	1140	81213	11.90	127	7.2	19.4	23.0	7.2	80

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
APR								
01...	81213	7.4	3.0	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
APR							
01...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.2

SAVANNAH RIVER BASIN

02193880 MIDDLE CREEK NEAR WRIGHTSBORO, GA.

LOCATION.--Lat 33°33'00", long 82°33'49", McDuffie County, Hydrologic Unit 03060105, at downstream side of bridge on County Road 308, 0.3 mi east of Wrightsboro, 0.4 mi downstream from Little Creek, and 2.3 mi upstream from Mattox Creek.

DRAINAGE AREA.--33.1 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	0400	81341	14	117	112	7.0	7.2	17.0	14.0	9.1	95
NOV 06...	0500	81341	25	80	77	6.8	7.1	10.0	5.0	9.4	84
DEC 04...	0500	81341	33	86	63	6.8	7.0	13.0	13.5	9.9	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 16...	81341	3.0	<1.0	30	33	1	.020	<.030	<.020	3.0
NOV 06...	81341	9.0	<1.0	20	21	6	.060	.090	<.020	5.0
DEC 04...	81341	11	<1.0	14	16	10	.040	.090	.020	5.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 01...	0400	81213	24	109	6.8	19.0	16.0	9.0	99	490
16...	0400	81341	14	117	7.0	17.0	14.0	9.1	95	2300
NOV 06...	0500	81341	25	80	6.8	10.0	5.0	9.4	84	270
20...	0600	81213	37	104	6.7	7.0	1.0	11.3	94	80
25...	0600	81213	31	86	6.8	7.0	1.0	11.4	94	20
DEC 04...	0500	81341	33	86	6.8	13.0	13.5	9.9	96	330

SAVANNAH RIVER BASIN

02193880 MIDDLE CREEK NEAR WRIGHTSBORO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 10...	1450	81213	3.9	92	6.7	25.0	35.0	6.8	84

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 10...	81213	6.6	3.3	<1.0	<2.0	<.5	1.6	2.7

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 10...	81213	1.5	<2.0	<.1	1.2	<2.0	15

SAVANNAH RIVER BASIN

02195320 KIOKEE CREEK NEAR EVANS, GA.

LOCATION.--Lat 33°36'00", long 82°14'00", Columbia County, Hydrologic Unit 03060106, at downstream side of bridge on State Highway 104, 2.7 mi downstream from Greenbrier Creek, 4.0 mi above mouth and 5.5 mi northwest of Evans.

DRAINAGE AREA.--105 mi².

PERIOD OF RECORD.--January 1997 to November 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	0750	81341	9.5	71	71	7.3	7.2	18.0	14.0	8.7	92
NOV 06...	0800	81341	27	61	61	7.1	7.1	12.0	6.0	10.3	96
DEC 04...	0800	81341	68	54	55	7.0	6.8	13.5	14.0	9.9	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 16...	81341	4.0	<1.0	18	24	4	.050	.030	.020	5.0
NOV 06...	81341	15	1.0	14	18	5	.020	.030	.030	5.0
DEC 04...	81341	21	<1.0	16	16	12	.040	<.030	<.020	5.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 01...	0740	81213	23	58	7.0	19.0	15.0	8.8	96	170
16...	0750	81341	9.5	71	7.3	18.0	14.0	8.7	92	330
NOV 06...	0800	81341	27	61	7.1	12.0	6.0	10.3	96	<20
20...	0830	81213	53	51	7.0	7.0	-1.0	11.8	97	80
25...	0830	81213	39	56	7.0	8.0	.0	11.5	97	20
DEC 04...	0800	81341	68	54	7.0	13.5	14.0	9.9	96	170

SAVANNAH RIVER BASIN

02195320 KIOKEE CREEK NEAR EVANS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 17...	1200	81213	14	69	7.5	17.4	25.0	8.1	85

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
NOV 17...	81213	4.5	2.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
NOV 17...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.0

SAVANNAH RIVER BASIN

02195470 UCHEE CREEK NEAR EVANS, GA.

LOCATION.--Lat 33°34'02", long 82°11'01", Columbia County, Hydrologic Unit 03060106, at downstream side of bridge on State Highway 104, 1.6 mi downstream from Tudor Branch, 3.3 mi above mouth and 3.9 mi northwest of Evans.

DRAINAGE AREA.--58.4 mi².

PERIOD OF RECORD.--January 1997 to November 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	0700	81341	3.5	129	124	7.2	7.2	17.0	14.0	8.1	84
NOV 06...	0730	81341	10	82	81	6.9	7.0	10.0	6.0	10.4	92
DEC 04...	0730	81341	28	76	76	7.0	6.8	13.0	14.0	9.6	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 16...	81341	10	1.3	26	41	9	.020	<.030	.080	6.0
NOV 06...	81341	9.0	1.6	20	19	7	.120	<.030	.040	5.0
DEC 04...	81341	11	<1.0	18	18	11	.210	<.030	.030	4.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 01...	0710	81213	7.6	81	6.9	17.0	15.0	8.9	93	270
16...	0700	81341	3.5	129	7.2	17.0	14.0	8.1	84	1100
NOV 06...	0730	81341	10	82	6.9	10.0	6.0	10.4	92	280
20...	0800	81213	21	75	7.1	6.0	-1.0	11.7	94	50
25...	0800	81213	19	77	7.1	7.0	.0	11.4	94	20
DEC 04...	0730	81341	28	76	7.0	13.0	14.0	9.6	92	80

SAVANNAH RIVER BASIN

02195470 UCHEE CREEK NEAR EVANS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 17...	1100	81213	9.5	101	7.3	16.3	20.0	7.7	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
NOV 17...	81213	4.4	2.0	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
NOV 17...	81213	<1.0	<2.0	<.1	<1.0	2.0	2.2

SAVANNAH RIVER BASIN

02195520 SAVANNAH RIVER NEAR EVANS, GA.

LOCATION.--Lat 33°34'05", long 82°11'06", Columbia County, GA-McCormick County, SC, Hydrologic Unit 03060106, at downstream side of bridge on State Highway 28, 0.25 mi downstream from Little River and Germain Island, 3.9 mi north of Evans, and 5 mi upstream from Stevens Creek.

DRAINAGE AREA.--6,440mi².

PERIOD OF RECORD.--January 1997 to November 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	0630	81341	7200	49	47	6.6	6.6	19.0	14.0	8.9	97
NOV 06...	0700	81341	4500	49	49	7.0	6.9	16.0	7.0	9.5	97
DEC 04...	0700	81341	7800	47	47	7.1	7.1	14.0	14.0	9.9	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 16...	81341	1.0	<1.0	10	15	<1	.110	<.030	<.020	2.0
NOV 06...	81341	1.0	<1.0	12	15	<1	.090	<.030	.020	2.0
DEC 04...	81341	3.0	<1.0	8	15	3	.220	<.030	<.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 01...	0640	81213	8300	50	6.8	19.0	15.0	8.9	98	<20
16...	0630	81341	7200	49	6.6	19.0	14.0	8.9	97	20
NOV 06...	0700	81341	4500	49	7.0	16.0	7.0	9.5	97	<20
20...	0730	81213	5400	48	7.2	12.0	-1.0	10.1	94	<20
25...	0730	81213	10300	48	7.2	12.0	2.0	10.0	93	80
DEC 04...	0700	81341	7800	47	7.1	14.0	14.0	9.9	97	20

SAVANNAH RIVER BASIN

02195520 SAVANNAH RIVER NEAR EVANS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 17...	0930	81213	11300	45	7.3	19.1	20.5	6.2	67

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
NOV 17...	81213	2.7	1.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
NOV 17...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.0

SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC.

LOCATION.--Lat 33°33'06", long 82°02'19", Edgefield County, S.C.- Columbia County, Ga., Hydrologic Unit 03060106, at upstream side of Augusta City Lock and Dam, 1.0 mi downstream from Stevens Creek Dam, and at mile 207.

DRAINAGE AREA.--7,150 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Data-collection platform. Elevation of gage is 150 ft above sea level (from topographic map).

REMARKS.--Records fair, except those less than 2,000 ft³/s and those for the periods of estimated daily discharges, which are poor. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake. (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500). Flow diverted to the Augusta Canal above gage by City of Augusta for municipal supply.

REVISED RECORDS.--Revised figures of discharge for the water year 1997, superseding those published in the report for 1997, are given below.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5900	1370	2470	1710	3370	17600	4430	20600	2670	8080	4420	4040
2	7040	3050	4310	2930	2980	18100	12800	18600	2550	8230	4680	3340
3	7260	2370	5510	4980	6340	16100	15500	12400	2690	8100	2430	2560
4	7280	2690	3860	4240	8620	17200	9030	13000	2500	6970	5700	2040
5	6780	2040	3720	3820	7710	19100	5870	13200	2410	5980	8920	2070
6	5770	1960	4920	3860	7660	23200	4210	14600	2390	3730	9520	1790
7	8450	1850	5400	5200	8330	24500	7640	12900	2230	4490	8940	1760
8	10600	2110	4020	7590	8080	25800	10900	13200	2230	4100	7990	2050
9	13500	2890	4710	12600	8200	26600	11300	12100	6820	3430	5250	2210
10	12800	4240	6040	18400	8260	26400	11500	7390	12700	3130	3560	1970
11	13100	2890	2920	13400	8070	25300	14500	3620	12900	2920	6270	1990
12	7780	1870	3330	16200	7570	15400	6600	2940	15200	1990	7180	1890
13	3780	2240	3810	18400	8840	9630	3080	5280	16200	1950	7070	1760
14	2990	1250	4820	18400	16200	11300	4180	6930	8740	4510	6950	1830
15	5880	1340	4630	16600	20900	9260	3570	8570	3070	5880	6860	2480
16	4910	1080	4770	12800	20700	10600	3030	7020	6350	6980	5060	3080
17	5770	1840	5190	11800	12300	7090	2670	3810	5920	7250	4270	2400
18	7450	2590	3750	10600	8930	7620	2790	2620	6340	6500	7120	2290
19	2340	1910	3630	8740	9270	7840	2860	4000	6500	3360	7870	2030
20	4560	665	9570	7050	15300	7980	2780	5510	6270	2970	8500	2040
21	3290	532	9120	6560	20200	10300	2660	5270	6260	4560	8100	1600
22	3260	589	9710	7050	22100	5970	4470	4100	5720	4820	5200	1760
23	2270	619	6130	5750	19600	5620	6770	4100	5560	4550	2900	1890
24	1820	814	4530	5520	20900	11200	17100	2460	6160	5630	2400	1800
25	2050	578	5590	3650	18300	15400	17900	2110	6360	5520	6700	4350
26	1880	717	5590	5480	17400	13800	9030	2750	6790	3250	7400	5790
27	1750	1590	4930	6880	17300	15900	6460	3970	7230	2550	7300	2800
28	1890	2910	4060	5750	17900	15000	7670	4410	4330	3110	5200	1660
29	2230	2910	4130	5050	---	6800	15000	4380	3400	3050	3700	2160
30	2000	2590	3540	8030	---	5760	23100	5530	5880	3060	2300	2750
31	1780	---	3060	7820	---	4420	---	4330	---	3530	2380	---
TOTAL	168160	56094	151770	266860	351330	436790	249400	231700	184370	144180	182140	72180
MEAN	5425	1870	4896	8608	12550	14090	8313	7474	6146	4651	5875	2406
MAX	13500	4240	9710	18400	22100	26600	23100	20600	16200	8230	9520	5790
MIN	1750	532	2470	1710	2980	4420	2660	2110	2230	1950	2300	1600

SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6874	6793	9536	9121	12320	13670	7539	6334	4680	5267	6627	4774
MAX	11440	15950	27170	28980	23000	22590	18010	15420	6821	9750	14420	6609
(WY)	1990	1996	1993	1993	1993	1990	1993	1991	1996	1994	1994	1995
MIN	1802	1827	2535	2438	1886	1440	2652	1990	1847	3560	2689	2406
(WY)	1994	1989	1989	1989	1989	1989	1989	1989	1989	1993	1989	1997
SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR					FOR 1997 WATER YEAR					WATER YEARS 1989 - 1997	
ANNUAL TOTAL	2861699					2494974						
ANNUAL MEAN	7819					6836					7781	
HIGHEST ANNUAL MEAN	†7863					†6659					13960	
LOWEST ANNUAL MEAN											2612	
HIGHEST DAILY MEAN	31000					Feb 5					39000	
LOWEST DAILY MEAN	532					Nov 21					65	
ANNUAL SEVEN-DAY MINIMUM	645					Nov 20					103	
INSTANTANEOUS PEAK FLOW						29500					54200	
INSTANTANEOUS PEAK STAGE						11.06					12.57	
ANNUAL RUNOFF (CFSM)	1.09					†1.10					1.09	
ANNUAL RUNOFF (INCHES)	14.89					†14.93					14.79	
10 PERCENT EXCEEDS	20800					15400					19100	
50 PERCENT EXCEEDS	5010					5400					5280	
90 PERCENT EXCEEDS	1990					1990					1800	

† Adjusted for changes in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC.--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3460	2360	6060	24000	24100	28900	13600	28100	5640	7000	3960	5000
2	3390	2550	4880	24700	23900	28800	11500	27600	6490	6940	3600	4100
3	2060	3170	4260	18200	21200	28300	12100	25400	5140	4430	5340	3990
4	2070	4670	6570	15900	31400	28100	20800	23500	7290	4330	3700	15100
5	1980	4510	6670	18800	28600	28700	16600	25500	6180	4210	3410	9280
6	4030	1810	3840	16200	36600	29300	12200	26200	5350	3890	3250	6140
7	4890	2120	2620	13200	37500	17800	14500	26400	2550	4160	3680	5040
8	5660	3890	3460	9350	33600	17500	13800	20700	3490	3640	4370	6100
9	3430	2140	3540	11100	32800	28400	25700	11800	3410	3680	4230	5220
10	3160	2810	4080	22800	34400	21600	25100	4940	4520	4000	4510	3810
11	2480	3110	3780	23100	34200	16700	28600	8250	5380	2920	3740	3010
12	1970	3030	3100	23600	33500	26100	28200	26000	5080	3090	3190	3440
13	3790	4710	3840	21200	33300	26500	27500	27300	5080	3370	3850	4590
14	2780	10300	3770	18800	33300	26100	23800	27200	5310	4940	4780	4180
15	3560	12400	7840	19400	32700	26000	16700	27100	6860	3750	5700	4330
16	2650	5160	12500	23000	18100	26400	23600	27200	7090	4180	4180	3790
17	2140	4600	11500	22300	17900	26700	26900	27400	6510	5090	5340	4150
18	2770	5920	12000	19600	28300	26800	29200	14200	7370	4020	6130	4260
19	2160	5540	12400	17900	27100	25300	28900	8970	7200	3570	4830	3740
20	2440	4160	10500	19800	27200	11500	27500	7750	6870	4030	5320	2990
21	2230	3490	8560	19500	25800	27000	27000	7570	5370	5330	5190	4700
22	2350	2890	10700	17800	25300	27500	27300	15700	5970	4920	4380	4240
23	4380	2730	11100	18500	28600	27700	27300	18200	5600	5160	5640	3880
24	5780	2210	16100	17700	26700	20900	27000	20200	5580	4090	5900	4150
25	2660	3390	23200	17400	27700	17200	20500	19400	6920	2930	4300	3790
26	3110	3190	19500	19900	28000	18200	18600	19200	6320	3680	5650	2990
27	8590	4110	12200	22700	28400	18900	18300	19600	4540	5230	5050	2300
28	9610	3800	9420	27700	29100	19100	18300	9790	5350	5500	5200	4000
29	4750	3230	10100	24400	---	19800	26400	e6000	6890	4920	5680	4630
30	4150	3660	20400	22000	---	16900	26900	5470	8190	5330	6390	4360
31	2640	---	24900	23500	---	14200	---	5240	---	6180	4860	---
TOTAL	111120	121660	293390	614050	809300	722900	664400	567880	173540	138510	145350	141300
MEAN	3585	4055	9464	19810	28900	23320	22150	18320	5785	4468	4689	4710
MAX	9610	12400	24900	27700	37500	29300	29200	28100	8190	7000	6390	15100
MIN	1970	1810	2620	9350	17900	11500	11500	4940	2550	2920	3190	2300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6545	6519	9529	10190	13970	14630	9000	7532	4791	5187	6434	4767
MAX	11440	15950	27170	28980	28900	23320	22150	18320	6821	9750	14420	6609
(WY)	1990	1996	1993	1993	1998	1998	1998	1998	1996	1994	1994	1995
MIN	1802	1827	2535	2438	1886	1440	2652	1990	1847	3560	2689	2406
(WY)	1994	1989	1989	1989	1989	1989	1989	1989	1989	1993	1989	1997

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1989 - 1998	
ANNUAL TOTAL	2645120		4503400			
ANNUAL MEAN	7247		12340		8236	
HIGHEST ANNUAL MEAN	†7504		†12450		13960	
LOWEST ANNUAL MEAN					2612	
HIGHEST DAILY MEAN	26600		37500		39000	
LOWEST DAILY MEAN	1600		1810		65	
ANNUAL SEVEN-DAY MINIMUM	1920		2390		103	
INSTANTANEOUS PEAK FLOW			43000		54200	
INSTANTANEOUS PEAK STAGE			11.84		12.57	
ANNUAL RUNOFF (CFSM)	1.01		1.73		1.15	
ANNUAL RUNOFF (INCHES)	13.76		†14.25		15.65	
10 PERCENT EXCEEDS	16100		27400			
50 PERCENT EXCEEDS	5530		6570		5380	
90 PERCENT EXCEEDS	2270		3110		1880	

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

e Estimated

SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to February 1994, February 1997 to December 1997 (discontinued).

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Water-quality records for July 1990 to February 1994 were published as Savannah River near Martinez, GA (Station 021964839) located 0.3 mi upstream.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	0830	81341	2490	48	46	6.8	6.6	18.0	14.0	9.2	98
NOV 06...	0830	81341	1670	50	50	7.0	6.9	16.0	7.0	9.6	98
DEC 04...	0830	81341	6380	48	48	6.7	6.9	14.5	15.0	9.6	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	ANC NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 16...	81341	1.0	<1.0	13	.090	<.030	<.020	2.0
NOV 06...	81341	2.0	<1.0	15	.090	.040	<.020	3.0
DEC 04...	81341	3.0	<1.0	15	.130	<.030	<.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 01...	0810	81213	2910	49	6.8	18.5	15.0	9.1	98	20
16...	0830	81341	2490	48	6.8	18.0	14.0	9.2	98	790
NOV 06...	0830	81341	1670	50	7.0	16.0	7.0	9.6	98	<20
20...	0900	81213	3870	50	7.1	11.0	1.0	10.7	97	<20
25...	0900	81213	3640	50	7.0	12.0	2.0	10.7	99	<20
DEC 04...	0830	81341	6380	48	6.7	14.5	15.0	9.6	96	50

SAVANNAH RIVER BASIN

02196485 AUGUSTA CANAL NEAR AUGUSTA, GA.

LOCATION.--Lat 33°32'57", long 82°02'17", Columbia County, Hydrologic Unit 03060106, 1,000 ft downstream of the Augusta City Lock and Dam near Augusta, Ga.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Data collection platform. Datum of gage is 148.92 ft above sea level.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Flow regulated by gate operations at Augusta City Lock and Dam.

Discharge record computed by utilization of a one-dimensional unsteady flow simulation model (BRANCH). An auxiliary gage (station 02196500) is used in conjunction with this station for computation of discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2700	2770	2050	2140	2540	2330	2530	2640	2810	1870	2900	2190
2	2700	2070	2390	2040	2580	2310	2690	2660	2790	1670	2920	2430
3	2700	2470	2550	2090	2540	2410	2550	2400	2840	1720	3010	2500
4	2700	2630	2550	2120	2480	2450	2610	2540	2940	1670	2980	2510
5	2700	2720	2650	2090	2450	2370	2580	2590	2880	1700	2970	2640
6	2700	2830	2440	2360	2610	2650	2760	2660	2830	1990	3010	2550
7	2700	2790	2460	2530	2480	2750	2960	2670	2860	2550	3000	2550
8	2700	2700	2530	2480	2420	2790	2870	2590	2870	2770	3020	2670
9	2700	2620	2590	2290	2500	2450	2860	2670	3040	2650	3000	2750
10	2800	2690	2660	2450	2500	2450	2860	2560	2990	2970	3050	2530
11	2930	2550	2630	2490	2500	2460	2790	2620	3060	3050	3050	2580
12	2910	2740	2630	2580	2660	2560	2620	2710	2980	3010	3080	3140
13	2680	2750	2460	2500	2290	2650	2580	2930	2970	3060	3080	3140
14	2870	2760	2510	2420	2280	2520	2600	2850	3000	3240	3080	3170
15	2890	2650	2570	2480	2300	2550	2610	2830	2840	3020	3090	3130
16	2880	2640	2740	2330	2630	2480	2740	2820	2800	2750	3010	2790
17	2840	2690	2580	2780	2630	2540	2790	2900	2770	2600	2900	3050
18	2740	2680	2660	2750	2580	2470	2900	2880	2880	2580	3090	3100
19	2620	2740	2640	2470	1800	2560	2810	2970	2660	2570	3000	3170
20	2680	2640	2610	2490	1850	2570	2560	2990	2700	2550	2720	3180
21	2660	2640	2590	2590	2050	2440	2730	2980	2700	2810	2550	3040
22	2760	2640	2030	2600	2360	2440	2340	3060	2700	3050	2720	3170
23	2850	2620	1960	2540	2360	2540	2650	3070	2700	2980	2590	3200
24	2800	2530	1540	2540	2390	2380	2580	2960	2700	2830	2530	3160
25	2840	2610	1500	2380	2510	2510	2390	3010	2700	3000	2750	2840
26	2770	2710	1500	2300	2390	2520	2450	3060	2700	2990	2590	2870
27	2680	2770	1720	2540	2380	2610	2250	2960	2750	3070	2810	2870
28	2820	2110	2060	2430	2360	2480	2210	3040	2910	3040	2660	2980
29	2870	2020	2060	2570	---	2540	2370	3020	2670	2950	2690	3080
30	2830	2010	2060	2400	---	1900	2620	3030	2120	2870	2520	2940
31	2830	---	2140	2470	---	2430	---	2880	---	2730	2370	---
TOTAL	85850	77790	72060	75240	67420	77110	78860	87550	84160	82310	88740	85920
MEAN	2769	2593	2325	2427	2408	2487	2629	2824	2805	2655	2863	2864
MAX	2930	2830	2740	2780	2660	2790	2960	3070	3060	3240	3090	3200
MIN	2620	2010	1500	2040	1800	1900	2210	2400	2120	1670	2370	2190

SAVANNAH RIVER BASIN

02196485 AUGUSTA CANAL NEAR AUGUSTA, GA.—Continued

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

MEAN	2769	2593	2325	2427	2408	2487	2629	2824	2805	2655	2863	2864
MAX	2769	2593	2325	2427	2408	2487	2629	2824	2805	2655	2863	2864
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997
MIN	2769	2593	2325	2427	2408	2487	2629	2824	2805	2655	2863	2864
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997

SUMMARY STATISTICS

FOR 1997 WATER YEAR

ANNUAL TOTAL	963010	
ANNUAL MEAN	2638	
HIGHEST DAILY MEAN	3240	Jul 14
LOWEST DAILY MEAN	1500	Dec 25
ANNUAL SEVEN-DAY MINIMUM	1760	Dec 22
INSTANTANEOUS PEAK STAGE	8.37	Jul 14
10 PERCENT EXCEEDS	3010	
50 PERCENT EXCEEDS	2650	
90 PERCENT EXCEEDS	2290	

SAVANNAH RIVER BASIN

02196485 AUGUSTA CANAL NEAR AUGUSTA, GA.—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3030	2860	2440	2440	2600	2610	2830	2490	1920	1730	2330	2390
2	3120	2760	2650	2650	2440	2600	2550	2460	1940	1800	2370	2440
3	3130	2820	2640	2640	2600	2450	2410	2480	2290	1740	2050	2040
4	3110	2880	2600	2600	2700	2600	2160	2420	2270	1740	2460	1660
5	3030	3020	2590	2590	2570	2700	2020	2400	2310	1830	2380	1720
6	3090	2970	2600	2600	2510	2570	2410	2430	2320	2290	2410	2080
7	3140	2650	2650	2650	2690	2510	2740	2440	2300	2580	2360	2070
8	3210	2670	2740	2740	2680	2690	2610	2340	2320	2570	2070	2030
9	3210	2730	2500	2500	2470	2680	2640	2480	2290	2630	2230	2680
10	3260	2890	2250	2250	2440	2470	2390	1620	2150	2690	2200	2850
11	3170	2830	2460	2460	2450	2440	2380	1790	2220	2630	2220	2780
12	3170	2710	2870	2870	2450	2450	2420	1810	2310	2380	2240	2370
13	3260	2560	2940	2940	2490	2450	2410	1940	2310	2580	2010	2740
14	3000	2720	2920	2920	2780	2490	2400	1950	2310	2640	1950	2880
15	3220	2710	2740	2740	2420	2780	2620	1950	2360	2680	1970	2910
16	2970	2740	2450	2450	2450	2420	2790	1950	2100	2640	1940	2920
17	3030	2790	2510	2510	2520	2450	2560	1960	2220	2350	1980	2970
18	2650	3040	2570	2570	2520	2520	e1780	1920	2230	2680	1990	2450
19	2720	3010	2870	2870	2380	2520	e2390	1920	2020	2840	1970	2490
20	2980	2700	2930	2930	2500	2380	e2550	1990	2130	2880	2020	2650
21	3160	2560	2840	2840	2700	2510	e2590	1980	2140	2830	2240	2870
22	3170	2470	2400	2400	2770	2700	e2630	1980	2110	2730	2300	2820
23	3180	2620	2570	2570	2610	2770	e2600	1970	1940	2600	2270	2750
24	2870	2730	1720	1720	2910	2610	e2590	1850	2180	2750	2290	2830
25	2600	2790	1550	1550	2810	2910	e2680	1890	2250	2630	2380	2780
26	2540	2770	1810	1810	2410	2810	e2640	2050	2190	2260	2300	2990
27	2800	2110	2190	2190	2190	2410	e2600	1970	2140	2130	2300	2980
28	2900	2150	2570	2570	2810	2190	2610	1920	2180	2160	2310	2650
29	3070	2030	2600	2600	---	2460	2460	2000	1780	2430	2310	2790
30	3150	1900	2810	2810	---	2520	2450	1910	1530	2350	2360	2790
31	3020	---	2610	2610	---	2750	---	1910	---	2310	2480	---
TOTAL	93960	80190	78590	78590	71870	79420	74910	64170	64760	75080	68690	77370
MEAN	3031	2673	2535	2535	2567	2562	2497	2070	2159	2422	2216	2579
MAX	3260	3040	2940	2940	2910	2910	2830	2490	2360	2880	2480	2990
MIN	2540	1900	1550	1550	2190	2190	1780	1620	1530	1730	1940	1660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 1998, BY WATER YEAR (WY)

MEAN	2900	2633	2430	2481	2487	2525	2563	2447	2482	2539	2539	2722
MAX	3031	2673	2535	2535	2567	2562	2629	2824	2805	2655	2863	2864
(WY)	1998	1998	1998	1998	1998	1998	1997	1997	1997	1997	1997	1997
MIN	2769	2593	2325	2427	2408	2487	2497	2070	2159	2422	2216	2579
(WY)	1997	1997	1997	1997	1997	1997	1998	1998	1998	1998	1998	1998

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1997 - 1998	
ANNUAL TOTAL	980050		907600			
ANNUAL MEAN	2685		2487		2562	
HIGHEST ANNUAL MEAN					2638	
LOWEST ANNUAL MEAN					2487	
HIGHEST DAILY MEAN	3260		3260		3260	
LOWEST DAILY MEAN	1550		1530		1500	
ANNUAL SEVEN-DAY MINIMUM	1820		1740		1740	
INSTANTANEOUS PEAK STAGE			8.20		8.37	
10 PERCENT EXCEEDS	3060		2920		2990	
50 PERCENT EXCEEDS	2690		2510		2600	
90 PERCENT EXCEEDS	2340		1960		2050	

e Estimated

SAVANNAH RIVER BASIN

02196488 REED CREEK NEAR MARTINEZ, GA.

LOCATION.--Lat 33°32'18", long 82°04'49", Columbia County, Hydrologic Unit 03060106, at upstream side of culvert on State Highway 28, 1.6 mi northwest of Martinez, and 3.1 mi above mouth.

DRAINAGE AREA.--10.6 mi².

PERIOD OF RECORD.--January 1997 to November 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	0600	81341	23	64	63	7.2	6.9	18.0	14.0	9.0	96
NOV 06...	0630	81341	10	81	80	7.1	7.2	11.0	7.0	10.3	94
DEC 04...	0630	81341	10	82	81	7.1	7.2	14.0	14.0	9.5	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 16...	81341	78	2.7	12	15	354	.240	.070	.170	5.0
NOV 06...	81341	10	1.3	22	21	9	.300	<.030	.020	4.0
DEC 04...	81341	7.0	<1.0	20	21	8	.290	<.030	<.020	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 01...	0600	81213	13	73	7.1	18.0	12.0	9.0	96	230
NOV 06...	0630	81341	10	81	7.1	11.0	7.0	10.3	94	490
20...	0700	81213	11	81	7.1	7.0	-1.0	11.3	93	330
25...	0700	81213	10	82	7.1	7.0	.0	11.3	93	70
DEC 04...	0630	81341	10	82	7.1	14.0	14.0	9.5	94	490

SAVANNAH RIVER BASIN

02196488 REED CREEK NEAR MARTINEZ, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 17...	0745	81213	5.5	84	6.7	16.6	19.0	8.1	84

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
NOV 17...	81213	5.9	1.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
NOV 17...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.2

SAVANNAH RIVER BASIN

02196671 SAVANNAH RIVER AT U.S. HIGHWAY 1 AT AUGUSTA, GA.

LOCATION.--Lat 33°28'31", long 81°57'20", Richmond County, Ga.-Aiken County, S.C., Hydrologic Unit 03060106, at bridge on U.S Highway 1, 1 mi upstream from Georgia Ports Authority at Augusta, 2 mi upstream from Horse Creek and at mile 199.5.

DRAINAGE AREA.--7,240 mi², approximately.

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1315	81341	54	52	7.0	6.8	20.0	23.0	6.5	71
NOV 18...	1215	81341	52	52	7.1	7.0	14.5	13.7	8.2	80
DEC 16...	1215	81341	51	50	7.2	7.0	11.5	15.0	10.1	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	1.0	1.4	14	16	1	.120	.040	<.020	3.0
NOV 18...	81341	3.0	<1.0	12	15	1	.130	<.030	<.020	2.0
DEC 16...	81341	2.0	<1.0	12	15	2	.150	<.030	<.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	1300	81213	52	7.1	21.5	29.0	5.7	65	40
14...	1000	81213	54	6.9	21.3	24.5	5.6	63	70
21...	1315	81341	54	7.0	20.0	23.0	6.5	71	170
NOV 18...	1215	81341	52	7.1	14.5	13.7	8.2	80	110
DEC 16...	1215	81341	51	7.2	11.5	15.0	10.1	93	35

SAVANNAH RIVER BASIN

02196671 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 13...	1025	81213	43	6.3	22.2	37.0	6.5	75

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 13...	81213	2.7	1.2	<1.0	<2.0	<.5	3.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 13...	81213	<1.0	<2.0	<.1	<1.0	<2.0	7.8

SAVANNAH RIVER BASIN

02196810 ROCKY CREEK AT AUGUSTA, GA.

LOCATION.--Lat 33°25'22", long 82°00'24", Richmond County, Hydrologic Unit 03060106, at downstream side of bridge on State Highway 56, 0.9 mi downstream from Lombard Pond, 2.4 mi upstream from Phinizy Ditch, 5 mi southwest of Georgia Ports Authority at Augusta.

DRAINAGE AREA.--15.9 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1230	81341	1.5	75	72	7.0	6.8	18.0	22.5	7.5	79
NOV 18...	1130	81341	2.3	81	79	7.1	6.5	10.6	14.0	10.4	93
DEC 16...	1130	81341	2.0	79	77	7.0	6.6	10.5	15.5	10.8	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	3.0	1.4	16	12	3	1.04	.120	.030	3.0
NOV 18...	81341	4.0	1.6	18	15	4	1.04	.110	.020	4.0
DEC 16...	81341	4.0	1.0	22	13	3	.980	.200	.020	4.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	1240	81213	.80	72	7.0	21.6	29.0	8.6	98	2200
14...	0930	81213	.50	71	6.9	21.5	24.5	8.4	96	4900
21...	1230	81341	1.5	75	7.0	18.0	22.5	7.5	79	7000
NOV 18...	1130	81341	2.3	81	7.1	10.6	14.0	10.4	93	3300
DEC 16...	1130	81341	2.0	79	7.0	10.5	15.5	10.8	97	3100

SAVANNAH RIVER BASIN

02196810 ROCKY CREEK AT AUGUSTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 13...	1210	81213	21	61	7.1	25.2	38.0	6.4	78

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 13...	81213	5.6	1	<1.0	<2.0	<.5	<1.0	1.9

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 13...	81213	3.1	<2.0	<.1	1.1	<2.0	44

SAVANNAH RIVER BASIN

02196845 BUTLER CREEK AT U.S. HIGHWAY 1, NEAR AUGUSTA, GA.

LOCATION.--Lat 33°24'47", long 82°05'14", Richmond County, Hydrologic Unit 03060106, at downstream side of bridge on U.S. Highway 1, 4.0 mi downstream from Poplar Bridge Creek, 8.2 mi upstream from Phinizy Ditch, approximately 9 mi southwest of Georgia Ports Authority at Augusta.

DRAINAGE AREA.--19.1 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1130	81341	28	36	35	6.9	6.2	17.7	22.0	7.1	75
NOV 18...	1100	81341	27	36	34	7.1	6.2	9.2	14.0	9.8	85
DEC 16...	1100	81341	31	34	33	7.1	6.3	8.2	15.5	11.5	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	4.0	1.0	6	7	3	.200	<.030	<.020	4.0
NOV 18...	81341	7.0	<1.0	8	4	1	.320	.040	<.020	5.0
DEC 16...	81341	5.0	<1.0	6	5	3	.300	<.030	<.020	4.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	1215	81213	14	38	6.9	20.3	28.4	6.2	68	<20
14...	0900	81213	13	45	6.3	21.3	22.5	5.9	67	70
21...	1130	81341	28	36	6.9	17.7	22.0	7.1	75	<20
NOV 18...	1100	81341	27	36	7.1	9.2	14.0	9.8	85	70
DEC 16...	1100	81341	31	34	7.1	8.2	15.5	11.5	98	50

SAVANNAH RIVER BASIN

02196845 BUTLER CREEK AT U.S. HIGHWAY 1, NEAR AUGUSTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 13...	0920	81213	14	44	5.9	25.4	26.0	5.3	65

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 13...	81213	2.9	.9	<1.0	<2.0	<.5	1.3	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 13...	81213	2.0	<2.0	<.1	<1.0	<2.0	13

SAVANNAH RIVER BASIN

02196995 BUTLER CREEK AT LEVEE, AT AUGUSTA, GA.

LOCATION.--Lat 33°22'23", long 81°56'54", Richmond County, Hydrologic Unit 03060106, at downstream side of levee, 0.1 mi upstream from mouth, 0.4 mi west of New Savannah Bluff Lock and Dam, and 6.9 mi. south of Augusta Municipal Building.

DRAINAGE AREA.--73 mi², approximately.

PERIOD OF RECORD.--July 1990 to February 1994, January 1997 to July 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0630	81341	495	491	7.1	7.1	19.3	14.5	6.5	71
NOV 19...	0715	81341	332	354	7.3	6.8	10.3	4.5	7.8	69
DEC 16...	1430	81341	421	389	7.1	7.0	10.3	17.5	7.6	68

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	ANC NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	81341	8.0	2.9	53	.660	1.14	1.65	7.0
NOV 19...	81341	6.0	1.7	38	.760	.850	1.35	6.0
DEC 16...	81341	5.0	2.6	45	.720	1.50	5.63	9.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	1115	81213	624	7.1	23.3	27.5	4.8	57	80
15...	0615	81213	803	7.1	24.6	19.0	5.3	63	170
22...	0630	81341	495	7.1	19.3	14.5	6.5	71	490
NOV 19...	0715	81341	332	7.3	10.3	4.5	7.8	69	790
DEC 16...	1430	81341	421	7.1	10.3	17.5	7.6	68	35000

SAVANNAH RIVER BASIN

02196995 BUTLER CREEK AT LEVEE AT AUGUSTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 20...	0940	81213	9.54	340	6.7	27.3	30.2	2.1	26

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 20...	81213	9.3	2.0	<1.0	<2.0	<.5	1.8	4.9

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 20...	81213	4.1	<2.0	<.1	4.3	<2.0	63

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, Ga.-Aiken County, S.C., Hydrologic Unit 03060106, at New Savannah Bluff Lock and Dam, 0.2 mi upstream from Butler Creek, 12.0 mi downstream from Augusta, and at mile 187.4.

DRAINAGE AREA.--7,508 mi², including that of Butler Creek.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Data-collection platform. Datum of gage is 96.58 ft above sea level (U.S. Army Corps of Engineers benchmark). Oct. 1, 1883 to Dec. 31, 1891, Jan. 1, 1896 to Dec. 31, 1906, Jan. 1, 1925 to Sept. 30, 1932, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft above sea level (levels by Southeastern Engineering Co.). Oct. 1, 1932 to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft above sea level (levels by U.S. Army Corps of Engineers). Oct. 1, 1936 to Nov. 10, 1948, recording gage at site 0.2 mi downstream from present site and at present datum.

REMARKS.--Records good, except those for periods of estimated daily discharge, which are poor. Flow regulated by Lake Burton since 1919, Mathis Reservoir since 1915, Hartwell Lake since February 1961, Richard B. Russell Reservoir since October 1983, and Thurmond Lake since December 1951 (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500). Records of chemical analyses for the water years 1968-72 are published in reports of the U.S. Geological Survey. Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--91 years (1884-92, 1897-1906, 1926-98), 10,080 ft³/s, 18.24 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge 307,000 ft³/s, Aug. 27, 1908; gage height 38.8 ft, at site and datum of Fifth Street gage. Stages and discharges for other floods at site and datum at Fifth Street gage are as follows: 280,000 ft³/s, Jan. 17, 1796, gage height (determined by analysis of historical documents) 38 ft; 260,000 ft³/s, May 28, 1840, gage height, 37.5 ft; 230,000 ft³/s, Aug. 29, 1852, gage height 36.8 ft; 160,000 ft³/s, Jan. 1, 1864, gage height 34.0 ft; 220,000 ft³/s, Jan. 11, 1865, gage height 36.4 ft. Stages for the 1840, 1852, 1864, and 1865 floods were obtained from the City of Augusta, Georgia gage records that were copied in the log books of the National Weather Service. These floods, and floods recorded by the National Weather Service beginning in 1876, are stored in the USGS peak flow data base. Other historical documents indicated floods of unknown magnitude occurred in 1722 and 1741.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6130	5430	6730	24800	25500	28700	14900	27500	7820	7530	6750	7000
2	6600	5630	7900	25100	25400	28400	14900	28000	7850	7120	5900	6590
3	5870	6060	6360	22200	24200	28200	e14200	26600	7980	5760	6410	7420
4	5340	7230	7810	18200	28800	28000	e15000	25500	8400	5450	6440	15500
5	4710	7400	8100	19000	35300	28000	e15200	25400	9120	5360	6060	14500
6	5910	5160	6960	18700	35900	28300	e15400	25700	7640	6940	5630	10300
7	7420	4300	5380	15900	42700	24200	e15200	26300	6240	6780	5910	8230
8	7820	5420	5810	14100	40500	20800	e15000	25000	6020	6630	6060	7520
9	7010	5440	5590	11500	35000	30300	22600	17100	6170	6380	6200	8030
10	6310	5410	6260	19600	36200	28300	25600	10200	6710	6840	6410	7390
11	5990	6040	6570	22800	36000	22300	28200	8160	7800	6100	6280	6520
12	4840	5840	6580	23900	35200	25800	28000	20600	7730	5550	5780	6740
13	5920	6730	6770	23500	34400	28100	27500	25700	7290	5770	5510	6680
14	6020	9350	7240	20800	34300	28200	26800	26300	7110	6700	6170	6940
15	6270	14200	8160	20700	34100	28000	19000	26500	8120	7050	7120	7620
16	6420	9760	12300	23500	27300	28000	21400	26500	8330	e6100	6140	7020
17	4970	6850	12600	24100	19300	28000	25800	26600	8100	e7600	6340	7550
18	5440	8090	12800	22600	27300	28200	27600	20100	8470	7570	7160	7290
19	5160	8320	13400	20900	28500	29200	28800	12700	8420	7210	6770	6840
20	5310	6740	13100	20600	27500	17700	28300	9620	8190	7580	6510	5710
21	5310	6070	11100	21600	27300	23900	27800	9320	7350	7670	7080	6750
22	5440	5630	11500	20400	26300	27700	27900	12500	7360	7810	6440	7620
23	6440	5380	12500	22000	27900	28000	28000	17300	7100	7410	6860	7080
24	7570	5280	14400	20700	28700	25300	27700	18700	6920	7300	7350	6800
25	6200	5600	21400	19400	28000	20300	23900	18400	7800	6350	6680	5930
26	6030	6090	21500	21100	28200	18500	20300	18100	8440	5890	6950	6440
27	7800	5590	17000	22500	28200	19500	19500	18100	6550	6500	6730	5410
28	12500	5420	13200	27900	28800	19600	18900	14400	6450	7070	6890	6780
29	8720	5000	12200	28500	---	19600	24100	9020	7640	6950	7000	8070
30	7550	5260	17200	25500	---	18600	26200	6680	8000	7210	7420	7260
31	6320	---	24100	25400	---	16100	---	6860	---	7620	7240	---
TOTAL	199340	194720	342520	667500	856800	773800	673700	589460	227120	209800	202190	229530
MEAN	6430	6491	11050	21530	30600	24960	22460	19010	7571	6768	6522	7651
MAX	12500	14200	24100	28500	42700	30300	28800	28000	9120	7810	7420	15500
MIN	4710	4300	5380	11500	19300	16100	14200	6680	6020	5360	5510	5410

e Estimated

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7319	7380	9219	10900	12420	14480	13320	9536	8359	7254	7577	7046
MAX	17740	18610	27270	30250	30600	29090	43850	27050	22830	13200	15820	14480
(WY)	1965	1996	1993	1993	1998	1952	1964	1964	1973	1976	1994	1964
MIN	2728	4017	3751	4084	4861	5637	5172	4476	4271	3627	3889	3332
(WY)	1952	1953	1953	1953	1956	1988	1988	1988	1988	1952	1952	1952

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1952 - 1998			
ANNUAL TOTAL	3383470				5166480							
ANNUAL MEAN	9270				14150				9552			
HIGHEST ANNUAL MEAN	†9527				†14260				16580			
LOWEST ANNUAL MEAN									5344			
HIGHEST DAILY MEAN	26100				42700				84500			
LOWEST DAILY MEAN	4230				4300				1770			
ANNUAL SEVEN-DAY MINIMUM	4540				5370				2090			
INSTANTANEOUS PEAK FLOW					43000				87100			
INSTANTANEOUS PEAK STAGE					21.63				24.16			
ANNUAL RUNOFF (CFSM)	1.23				†1.27				1.27			
ANNUAL RUNOFF (INCHES)	16.76				†17.23				17.29			
10 PERCENT EXCEEDS	17000				28000				18300			
50 PERCENT EXCEEDS	7780				8160				7020			
90 PERCENT EXCEEDS	5160				5800				5170			

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

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

SUMMARY STATISTICS WATER YEARS 1883 - 1951

ANNUAL MEAN	10640	
HIGHEST ANNUAL MEAN	16500	1929
LOWEST ANNUAL MEAN	5836	1904
HIGHEST DAILY MEAN	315000	Oct 3 1929
LOWEST DAILY MEAN	1040	Oct 2 1927
ANNUAL SEVEN-DAY MINIMUM	1170	Aug 23 1925
INSTANTANEOUS PEAK FLOW	a350000	Oct 3 1929
INSTANTANEOUS PEAK STAGE	b46.30	Sep 27 1929
INSTANTANEOUS LOW FLOW	c648	Sep 24 1939
ANNUAL RUNOFF (CFSM)	1.42	
ANNUAL RUNOFF (INCHES)	19.25	
10 PERCENT EXCEEDS	19900	
50 PERCENT EXCEEDS	6720	
90 PERCENT EXCEEDS	3180	

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

a Gage height 45.10 ft, at site and datum then in use.

b At site and datum then in use.

c From rating curve extended below 1,400 ft³/s.

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--October 1949 to September 1950, February 1968 to September 1972, July 1973 to September 1986, November 1989 to February 1994, January 1997 to July 1998 (discontinued).

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1973 to September 1986, November 1989 to current year.

INSTRUMENTATION.--Data-collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.0°C, July 6, 13, 27, 28, 1993; minimum, 4.5°C, Feb. 19, 20, 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0700	81341	5330	63	60	7.0	7.0	20.0	14.5	7.3	80
NOV 19...	0745	81341	8630	57	57	7.4	7.1	14.2	4.5	9.4	92
DEC 17...	0700	81341	13100	55	52	7.2	6.8	11.5	.0	10.0	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	81341	5	1.0	<1.0	17	1	.180	.040	.040	2.0
NOV 19...	81341	5	4.0	1.1	16	2	.160	<.030	.040	3.0
DEC 17...	81341	10	4.0	12	16	7	.150	<.030	<.020	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	1145	81213	5930	60	7.1	22.4	27.5	6.8	79	<20
15...	0630	81213	5890	61	6.9	22.6	19.0	6.3	73	<20
22...	0700	81341	5330	63	7.0	20.0	14.5	7.3	80	20
NOV 19...	0745	81341	8630	57	7.4	14.2	4.5	9.4	92	<20
DEC 17...	0700	81341	13100	55	7.2	11.5	.0	10.0	92	40

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 20...	1200	81213	7960	50	7.3	23.0	33.0	8.0	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 20...	81213	2.5	1.2	<1.0	<2.0	<.5	<1.0	1.6

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 20...	81213	<1.0	<2.0	<.1	<1.0	<2.0	10

SAVANNAH RIVER BASIN

02197045 SPIRIT CREEK NEAR MCBEAN, GA.

LOCATION.--Lat 33°19'06", long 81°57'20", Richmond County, Hydrologic Unit 03060106, at downstream side of bridge on State Highway 56, 0.3 mi upstream from Little Spirit Creek, 3.5 mi above mouth, and 4.9 mi north of McBean.

DRAINAGE AREA.--71.1 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1030	81341	45	40	39	7.0	6.2	16.9	20.5	8.4	87
NOV 18...	1415	81341	54	34	32	7.1	6.1	9.6	14.0	10.6	92
DEC 16...	1400	81341	83	35	34	7.1	6.2	8.9	16.5	11.6	100

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	15	1.6	6	4	17	.530	.030	.090	4.0
NOV 18...	81341	7.0	1.3	6	4	7	.420	.060	.050	5.0
DEC 16...	81341	7.0	<1.0	4	3	6	.440	.080	.060	4.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	1015	81213	23	34	7.1	20.6	25.4	7.7	86	490
14...	1300	81213	20	39	7.0	21.9	27.0	7.9	90	490
21...	1030	81341	45	40	7.0	16.9	20.5	8.4	87	330
NOV 18...	1415	81341	54	34	7.1	9.6	14.0	10.6	92	330
DEC 16...	1400	81341	83	35	7.1	8.9	16.5	11.6	100	20

SAVANNAH RIVER BASIN

02197045 SPIRIT CREEK NEAR MCBEAN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 13...	1245	81213	37	31	6.9	26.5	37.0	6.1	76

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 13...	81213	2.0	.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 13...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.3

SAVANNAH RIVER BASIN

02197065 SAVANNAH RIVER BELOW SPIRIT CREEK NEAR AUGUSTA, GA.

LOCATION.--Lat 33° 19'50", long 81° 54'55", Richmond County, Hydrologic Unit 03060106, 50 ft upstream from the Federal Paperboard outfall, 0.5 mi downstream from Spirit Creek, 10 mi southwest of Augusta, and at mile 182.5.

DRAINAGE AREA.--7,630 mi².

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

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russel Reservoir and Thurmond Lake (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500, respectively). Discharge obtained from gaging station 02197000, Savannah River at Augusta, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0600	81341	5340	80	78	7.0	7.1	20.0	14.4	8.3	91
NOV 18...	1500	81341	8630	69	67	7.3	7.1	13.5	14.5	10.3	98
DEC 17...	0800	81341	13000	60	58	7.3	7.0	11.5	.5	10.6	98
FEB 11...	1145	81341	36000	48	46	6.7	6.8	9.5	16.5	11.3	99
MAR 04...	1130	81341	27900	51	51	6.6	7.0	10.9	13.5	10.8	98
MAR 19...	1200	81341	30100	48	45	6.7	6.8	10.9	17.5	11.3	103
APR 21...	1045	81341	27800	50	49	6.3	7.1	15.0	21.0	9.7	97
MAY 20...	1020	81341	9500	64	63	6.7	6.8	20.0	31.5	8.4	93
JUN 24...	1020	81341	5850	73	71	6.7	6.9	22.9	34.8	8.5	99
JUL 09...	1030	81341	6320	68	67	6.7	6.7	22.8	35.1	8.6	101
AUG 13...	1030	81341	5490	85	84	6.8	6.7	24.1	29.2	7.8	93
SEP 03...	1040	81341	7510	75	71	6.7	6.7	22.2	21.0	7.4	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
OCT 22...	81341	10	1.0	10	<1.0	19	2
NOV 18...	81341	50	8.0	14	<1.0	17	3
DEC 17...	81341	10	5.0	13	1.0	16	7
FEB 11...	81341	40	14	7	<1.0	12	12
MAR 04...	81341	50	12	11	1.4	14	7
MAR 19...	81341	10	14	14	<1.0	13	8
APR 21...	81341	15	12	5	<1.0	12	6
MAY 20...	81341	15	7.0	13	<1.0	16	4
JUN 24...	81341	20	5.0	<5	<1.0	17	2
JUL 09...	81341	10	4.0	8	<1.0	17	1
AUG 13...	81341	10	2.0	16	<1.0	18	3
SEP 03...	81341	5	2.0	11	<1.0	14	2

SAVANNAH RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	81341	.200	.100	.20	.30	.50	.100	2.0
NOV 18...	81341	.170	.040	.26	.30	.47	.070	4.0
DEC 17...	81341	.170	<.030	--	.20	.37	.080	2.0
FEB 11...	81341	.190	.030	.27	.30	.49	.030	3.0
MAR 04...	81341	.180	<.030	--	.30	.48	.030	3.0
19...	81341	.220	.030	.17	.20	.42	.020	3.0
APR 21...	81341	.200	.030	.17	.20	.40	.040	4.0
MAY 20...	81341	.260	.130	.17	.30	.56	.090	3.0
JUN 24...	81341	.340	.210	.19	.40	.74	.220	4.0
JUL 09...	81341	.310	.120	.18	.30	.61	.100	3.0
AUG 13...	81341	.250	.050	.25	.30	.55	.160	4.0
SEP 03...	81341	.220	.080	.22	.30	.52	.070	4.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	1045	81213	7870	76	7.1	22.5	26.0	7.2	83	50
14...	1400	81213	5880	70	7.1	23.0	28.5	8.4	98	<20
22...	0600	81341	5340	80	7.0	20.0	14.4	8.3	91	40
NOV 18...	1500	81341	8630	69	7.3	13.5	14.5	10.3	98	70
DEC 17...	0800	81341	13000	60	7.3	11.5	.5	10.6	98	330
FEB 02...	0945	81213	24900	55	6.6	9.7	9.7	11.2	98	20
11...	1145	81341	36000	48	6.7	9.5	16.5	11.3	99	170
19...	1145	81213	28800	51	6.6	9.9	16.6	10.9	97	230
MAR 04...	1130	81341	27900	51	6.6	10.9	13.5	10.8	98	<20
APR 21...	1045	81341	27800	50	6.3	15.0	21.0	9.7	97	80
28...	1020	81213	17600	57	6.5	15.5	16.1	9.4	94	20
MAY 12...	1015	81213	20500	51	6.6	20.4	23.4	7.8	87	170
20...	1020	81341	9500	64	6.7	20.0	31.5	8.4	93	80
AUG 13...	1030	81341	5490	85	6.8	24.1	29.2	7.8	93	5600
20...	1020	81213	6570	63	6.7	22.8	24.4	8.0	93	20
27...	1030	81213	6510	63	6.7	22.9	34.2	8.3	96	<20
SEP 03...	1040	81341	7510	75	6.7	22.2	21.0	7.4	86	20

SAVANNAH RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 20...	1315	81213	7580	59	7.0	23.5	32.5	8.1	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 20...	81213	2.7	1.2	<1.0	<2.0	<.5	1.7	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 20...	81213	<1.0	<2.0	<.1	<1.0	<2.0	13

SAVANNAH RIVER BASIN

02197200 MCBEAN CREEK AT MCBEAN, GA.

LOCATION.--Lat 33°14'30", long 81°56'52", Richmond-Burke County line, Hydrologic Unit 03060106, at downstream side of bridge on State Highway 56, 0.2 mi southeast of McBean, 1.7 mi upstream from Little McBean Creek, and 6.7 mi above mouth.

DRAINAGE AREA.--71.4 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1000	81341	78	62	59	7.1	6.9	15.0	20.0	8.7	86
NOV 18...	1300	81341	87	55	54	7.3	6.9	7.3	12.8	11.1	92
DEC 16...	1300	81341	113	51	50	7.1	6.9	7.5	16.0	11.7	98

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	3.0	1.3	20	17	3	.090	<.030	.030	6.0
NOV 18...	81341	3.0	1.5	20	18	2	.120	<.030	<.020	6.0
DEC 16...	81341	3.0	<1.0	18	16	2	.150	<.030	<.020	6.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	0945	81213	50	60	7.2	18.8	24.5	7.0	75	80
14...	1100	81213	50	60	7.1	20.6	25.0	7.7	86	60
21...	1000	81341	78	62	7.1	15.0	20.0	8.7	86	80
NOV 18...	1300	81341	87	55	7.3	7.3	12.8	11.1	92	230
DEC 16...	1300	81341	113	51	7.1	7.5	16.0	11.7	98	330

SAVANNAH RIVER BASIN

02197200 MCBEAN CREEK AT MCBEAN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 12...	1335	81213	74	47	7.5	25.8	36.0	6.8	83

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 12...	81213	7.1	.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 12...	81213	<1.0	<2.0	<.1	<1.0	<2.0	6.6

SAVANNAH RIVER BASIN

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, S.C.-Burke County, Ga., Hydrologic Unit 03060106, on left bank 0.5 mi downstream from Upper Three Runs Creek, 6.2 mi south of Jackson, 15.2 mi upstream from Steel Creek, and at mile 156.8.

DRAINAGE AREA.--7,800 mi², approximately.

PERIOD OF RECORD.--October 1971 to current year, discharge defined below 22,000 ft³/s, only.

REVISED RECORDS.--WDR SC-90-1: 1983.

GAGE.--Data-collection platform. Datum of gage is 77.0 ft above sea level.

REMARKS.--Records good, except those for period of estimated daily discharges, which are fair. Water is diverted above and below gage by the Savannah River Plant with the volume diverted varying from day to day. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake, and affected, to some degree, by the Savannah River Plant operations (See "Lakes and Reservoirs in Savannah River Basin", station 02178500, 02179500, 02187250, 02189004, and 02194500). At times of high flow, bankfull capacity is exceeded in the intervening channel reach, therefore, daily mean discharges greater than 22,000 ft³/s are not shown for Jan. 29 to March 20, March 23-25, Apr. 12-15, 18-26, and May 1-9, 15-18.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Apr. 11, 1983; maximum gage height, 21.57 ft, Apr. 11, 1983; minimum daily discharge, 3,220 ft³/s, Dec. 9, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Feb. 9; gage height, 19.83 ft; minimum daily discharge, 5,310 ft³/s, Nov. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6300	6900	6720	20400	---	---	19200	---	8930	8480	7830	7490
2	7290	6600	9050	21600	---	---	18300	---	9040	8190	6720	7480
3	6900	6760	8090	e22000	---	---	17600	---	9470	7120	6430	7980
4	6370	7400	7940	21700	---	---	18200	---	9000	6090	7150	13000
5	5880	8120	9000	20800	---	---	20100	---	10300	5990	6520	17700
6	5580	7720	8880	20500	---	---	20600	---	9640	6370	6120	16500
7	7490	5710	7090	20200	---	---	19500	---	8790	7530	6150	12900
8	8270	5310	6310	19200	---	---	18800	---	7210	7250	6350	9840
9	8390	6690	7390	17000	---	---	18900	---	7430	7080	6530	9290
10	7320	5940	6960	16700	---	---	20500	20200	7560	7150	6890	9020
11	6960	6620	7640	19000	---	---	e21900	15400	8980	7280	7000	8070
12	6210	6560	8400	20500	---	---	---	15400	9350	6390	6500	7640
13	5580	7310	8000	21500	---	---	---	18900	8800	5990	6380	7690
14	7190	9050	8480	21700	---	---	---	21100	8480	6580	6330	7770
15	6420	13200	8800	21500	---	---	---	---	8450	7640	7390	8200
16	7460	14400	11500	21600	---	---	e21600	---	9520	7050	7210	8230
17	6490	10000	14000	e22000	---	---	21500	---	9300	8590	6530	8260
18	6130	8450	14400	e22000	---	---	---	---	9050	9460	7410	8320
19	6490	9550	14800	e22000	---	---	---	e21000	9470	8750	7620	8270
20	6100	8690	15300	21600	---	---	---	17500	9350	8570	7250	7210
21	6350	7630	14400	21200	---	e21700	---	14100	8900	8250	7390	6900
22	6100	7050	13300	21200	---	e21800	---	12300	8280	8570	7370	8350
23	6480	6470	14400	21300	---	---	---	15900	8250	8260	6870	8280
24	8010	6510	15500	21500	---	---	---	17800	7640	8210	7580	7900
25	8090	6130	18000	21300	---	---	---	18800	8100	7440	7670	7140
26	6570	6980	20100	20900	---	e21600	---	19200	9090	6600	7060	7350
27	7980	6680	21100	21100	---	20800	21400	19400	8190	6630	7350	6810
28	12000	6370	19900	e21700	---	20700	20800	19300	7090	7400	7210	6580
29	12400	6130	17600	---	---	20600	20600	16500	7680	7310	7210	8200
30	9510	6160	16800	---	---	20600	e21400	11400	8440	7830	7580	8660
31	8370	---	18500	---	---	20200	---	9080	---	7710	7960	---
TOTAL	226680	227090	378350	---	---	---	---	---	259780	231760	217560	267030
MEAN	7312	7570	12200	---	---	---	---	---	8659	7476	7018	8901
MAX	12400	14400	21100	---	---	---	---	---	10300	9460	7960	17700
MIN	5580	5310	6310	---	---	---	---	---	7090	5990	6120	6580

e Estimated

SAVANNAH RIVER BASIN

02197375 SAVANNAH RIVER AT STONY BLUFF LANDING, GA.

LOCATION.--Lat 33°02'37", long 81°33'23", Burke County, Hydrologic Unit 03060106, at Stony Bluff Landing, 0.7 mi downstream from Little Sweetwater Creek, 9.0 mi east of Girard, and at mile 132.8.

PERIOD OF RECORD.--July 1990 to July 1998 (discontinued).

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russel Reservoir and Thurmond Lake (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500, respectively).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0900	81341	6010	100	99	6.9	6.9	18.6	14.5	6.8	73
NOV 19...	0930	81341	8760	93	91	7.3	7.0	12.2	10.0	9.0	83
DEC 17...	1000	81341	12400	77	75	7.2	7.0	10.2	5.6	9.9	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	81341	20	4.0	1.0	20	4	.300	.050	.090	4.0
NOV 19...	81341	25	11	1.4	20	9	.210	.040	.120	5.0
DEC 17...	81341	20	10	1.4	17	18	.200	<.030	.130	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	1030	81213	7220	88	7.0	22.8	26.0	7.8	91	<20
15...	0800	81213	6500	95	7.0	23.1	21.3	7.0	82	50
22...	0900	81341	6010	100	6.9	18.6	14.5	6.8	73	70
NOV 19...	0930	81341	8760	93	7.3	12.2	10.0	9.0	83	220
DEC 17...	1000	81341	12400	77	7.2	10.2	5.6	9.9	88	310

SAVANNAH RIVER BASIN

02197375 SAVANNAH RIVER AT STONY BLUFF LANDING, GA.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 21...	0830	81213	8600	80	7.0	25.1	28.0	6.5	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 21...	81213	3.9	1.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 21...	81213	<1.0	<2.0	<.1	<1.0	<2.0	9.0

SAVANNAH RIVER BASIN

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.

LOCATION.--Lat 32°56'20", long 81°30'10", Screven County, Ga.-Allendale County, S.C., Hydrologic Unit 03060106, on right bank 500 ft downstream of bridge on U.S. Highway 301, 2.0 mi downstream from Rocky Creek, 9.0 mi east of Millhaven, and at mile 118.7.

DRAINAGE AREA.--8,650 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to September 1970, October 1982 to current year.

GAGE.--Data collection platform. Datum of gage is 54.42 ft above sea level.

REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake. (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1929 reached a stage of 30.8 ft, from information by Corps of Engineers, discharge, 220,000 ft³/s from rating curve extended above 141,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5940	8070	6540	20400	29200	32200	24700	25700	13000	8130	7710	7590
2	6110	7070	7310	20400	29500	32300	24100	26400	10000	8050	7460	7360
3	6730	6790	8600	21200	29600	32300	23300	28100	9130	7760	6610	7500
4	6300	6840	7710	22800	30800	32200	23000	30100	9090	6740	6460	9400
5	5810	7370	7970	24500	31900	31900	22700	31200	9030	5980	6830	13000
6	5370	7730	8590	25300	31900	32000	22400	31100	10000	5830	6390	15200
7	5520	6890	8100	24900	33400	32500	22700	30500	9260	6480	6000	15800
8	7020	5480	6670	24800	35700	33700	23300	30500	8130	7080	6070	14300
9	7650	5410	6490	24000	38000	36500	23800	30400	7020	6990	6340	11100
10	7490	6130	7300	22500	39600	35600	23500	30200	7230	6940	6700	9650
11	6730	5760	7640	20700	39500	34200	23000	28700	8390	7070	6930	8770
12	6360	6280	8190	19900	38500	34500	23400	25200	9580	6910	6860	7760
13	5580	6720	8550	20000	38100	33300	25300	21700	9430	6250	6570	7380
14	5530	7930	8370	21000	37700	31300	28100	20400	8670	5970	6450	7290
15	6460	9970	8790	22800	37200	30400	30600	20500	8230	6610	6560	7360
16	6450	13000	9390	24800	36900	30700	31400	22100	8440	7460	7300	7750
17	7040	13500	11900	25800	37800	31400	30400	24800	9090	7720	7000	7650
18	6110	10200	13600	26200	37200	31700	29300	27200	8900	9310	6690	7770
19	6050	8730	14400	26700	33800	32500	29200	28400	8860	9790	7320	7790
20	6170	9020	14900	27300	30800	33100	29300	28200	9110	8940	7380	7610
21	5970	8100	15300	27200	30000	33100	30200	25800	9020	8600	7140	6730
22	5960	7290	15200	26600	30700	31600	31300	21900	8470	8330	7250	6840
23	5880	6780	15100	26900	31600	29200	31900	18400	8000	8430	7050	7810
24	6470	6400	16000	27200	31900	28300	32100	17400	7830	8240	6880	7690
25	7590	6240	18000	26900	31600	29100	31900	17500	7430	8110	7370	7340
26	7400	6050	19000	26300	31600	30100	31600	18100	7910	7330	7260	6670
27	7330	6600	20100	26100	32000	29600	30900	18900	8630	6630	7000	6790
28	8860	6310	21500	26200	32100	28000	29300	19800	7710	6730	7030	6230
29	12000	6050	22600	26100	---	26600	27400	20400	6990	7280	6990	6470
30	11700	6200	22500	26400	---	25600	26000	20100	7560	7270	7020	7800
31	9310	---	21300	27800	---	25100	---	17200	---	7560	7360	---
TOTAL	214890	224910	387610	759700	948600	970600	816100	756900	260140	230520	213980	258400
MEAN	6932	7497	12500	24510	33880	31310	27200	24420	8671	7436	6903	8613
MAX	12000	13500	22600	27800	39600	36500	32100	31200	13000	9790	7710	15800
MIN	5370	5410	6490	19900	29200	25100	22400	17200	6990	5830	6000	6230

SAVANNAH RIVER BASIN

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.-- Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7577	7815	10100	12770	14330	16950	14860	10770	8154	8158	8443	7702
MAX	20150	22070	32410	35290	33880	33880	46240	29980	15960	19400	28040	20010
(WY)	1965	1948	1949	1993	1998	1944	1964	1964	1967	1941	1940	1964
MIN	2984	3284	4677	5067	5785	6089	5886	4192	4705	4178	4147	3597
(WY)	1942	1942	1953	1956	1989	1988	1988	1941	1952	1952	1951	1941

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1940 - 1998			
ANNUAL TOTAL	3811250				6042350							
ANNUAL MEAN	10440				16550				10620			
HIGHEST ANNUAL MEAN	†10700				†16660				18320			
LOWEST ANNUAL MEAN									5790			
HIGHEST DAILY MEAN	28200				39600				138000			
LOWEST DAILY MEAN	4610				5370				2120			
ANNUAL SEVEN-DAY MINIMUM	5100				5970				2490			
INSTANTANEOUS PEAK FLOW					39900				141000			
INSTANTANEOUS PEAK STAGE					18.70				27.00			
ANNUAL RUNOFF (CFSM)	1.21				†1.24				1.23			
ANNUAL RUNOFF (INCHES)	16.39				†16.79				16.69			
10 PERCENT EXCEEDS	18900				31900				20100			
50 PERCENT EXCEEDS	8630				9580				7780			
90 PERCENT EXCEEDS	5670				6450				5090			

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

SAVANNAH RIVER BASIN

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.-- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1957, 1958, 1968-72, 1974-79, September 1988 to July 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1315	81341	5980	108	107	7.1	7.1	19.0	21.5	7.6	82
NOV 19...	1030	81341	8610	96	94	7.2	6.9	11.8	10.2	9.2	84
DEC 17...	1030	81341	11800	84	82	7.2	7.0	10.3	10.8	10.0	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	10	4.0	<1.0	20	.310	.080	.140	4.0
NOV 19...	81341	60	11	1.4	20	.210	.060	.120	6.0
DEC 17...	81341	15	9.0	1.4	19	.230	.040	.150	4.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	1130	81213	7080	94	6.8	23.0	28.0	7.3	84	40
15...	0930	81213	6620	104	6.9	24.1	23.5	6.7	80	<20
21...	1315	81341	5980	108	7.1	19.0	21.5	7.6	82	20
NOV 19...	1030	81341	8610	96	7.2	11.8	10.2	9.2	84	170
DEC 17...	1030	81341	11800	84	7.2	10.3	10.8	10.0	89	700

SAVANNAH RIVER BASIN

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.-- Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 21...	1100	81213	8650	88	6.9	25.3	32.5	6.2	75

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 21...	81213	4.4	1.2	<1.0	<2.0	<.5	<1.0	1.5

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 21...	81213	3.3	<2.0	<.1	<1.0	<2.0	10

SAVANNAH RIVER BASIN

02197520 BRIER CREEK NEAR THOMSON, GA.

LOCATION.--Lat 33°22'06", long 82°28'06", McDuffie County, Hydrologic Unit 03060108, on upstream side of bridge on State Highway 17, 0.2 mi upstream from Sweetwater Creek, and 6.9 mi south of Thomson.

DRAINAGE AREA.--55 mi², approximately.

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0800	81341	11	122	112	7.2	7.2	20.0	19.0	7.9	88
NOV 04...	0930	81341	44	67	64	6.9	6.8	13.0	8.0	10.0	96
DEC 02...	0930	81341	88	55	55	6.6	6.4	12.0	8.0	10.2	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	3.0	<1.0	16	13	4	.260	<.030	.070	5.0
NOV 04...	81341	10	<1.0	10	13	9	.160	<.030	.050	6.0
DEC 02...	81341	16	<1.0	12	12	19	.140	.090	.070	6.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	0800	81341	11	122	7.2	20.0	19.0	7.9	88	90
NOV 04...	0930	81341	44	67	6.9	13.0	8.0	10.0	96	790
18...	0930	81213	69	55	6.6	8.0	5.0	11.4	96	370
23...	1015	81213	80	57	6.6	14.0	14.0	9.2	90	170
DEC 02...	0930	81341	88	55	6.6	12.0	8.0	10.2	95	630

SAVANNAH RIVER BASIN

02197520 BRIER CREEK NEAR THOMSON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 12...	0810	81213	5.1	275	7.0	24.2	29.0	5.4	65

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 12...	81213	4.7	1.6	<1.0	<2.0	<.5	<1.0	1.4

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 12...	81213	<1.0	<2.0	<.1	<1.0	<2.0	14

SAVANNAH RIVER BASIN

02197567 REEDY CREEK NEAR WRENS, GA.

LOCATION.--Lat 33°14'48", long 82°19'36", Jefferson County, Hydrologic Unit 03060108, at upstream side of bridge on State Highway 4-U.S.

Highway 1, 0.05 mi downstream from Norton's Mill Race, 0.25 mi upstream from Flat Rock Branch, and 4.7 mi northeast of Wrens.

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0830	81341	36	672	660	7.0	6.9	21.0	19.0	6.9	78
NOV 05...	0940	81341	46	619	597	6.7	6.5	11.0	8.0	6.5	59
DEC 03...	1000	81341	53	449	443	6.5	6.3	11.0	12.0	6.6	60

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	4.0	<1.0	14	12	6	.110	<.030	.290	3.0
NOV 05...	81341	6.0	1.0	12	8	6	.170	<.030	.440	4.0
DEC 03...	81341	4.0	<1.0	12	6	8	.160	<.030	.240	4.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0830	81341	36	672	7.0	21.0	19.0	6.9	78	220
NOV 05...	0940	81341	46	619	6.7	11.0	8.0	6.5	59	490
19...	0945	81213	47	601	6.6	8.0	9.0	6.8	58	40
24...	1000	81213	58	438	6.4	10.0	9.0	6.9	61	50
DEC 03...	1000	81341	53	449	6.5	11.0	12.0	6.6	60	170

SAVANNAH RIVER BASIN

02197567 REEDY CREEK NEAR WRENS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 12...	0910	81213	36	762	7.5	25.5	34.0	7.2	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 12...	81213	2.7	1.3	<1.0	<2.0	<.5	2.4	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 12...	81213	<1.0	<2.0	<.1	3.2	<2.0	19

SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, GA.

LOCATION.--Lat 33°10'37", long 82°18'20", Jefferson County, Hydrologic Unit 03060108, at right bank on downstream side of bridge on State Highway 80, 5 mi southeast of Wrens, and 5.5 mi upstream from Little Brushy Creek.

DRAINAGE AREA.--28.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 282.56 ft above sea level (levels by the Georgia Department of Transportation).

REMARKS.--Records good, except those for the period Oct. 1 to Feb. 3, which are good to fair. Discharge during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 25	0100	512	6.80	Mar 9	0200	1,490	8.34
Jan. 16	0400	347	6.21	Apr. 4	0400	391	6.39
Jan. 23	0800	391	6.39	Sept. 3	2300	*1,520	*8.38
Feb. 4	1700	784	7.39				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	17	34	33	43	59	40	50	38	10	10	14
2	11	42	24	31	38	48	43	36	26	9.6	10	14
3	9.7	26	21	29	191	44	106	52	20	9.9	9.5	473
4	9.7	18	20	27	585	41	255	68	17	10	10	619
5	10	15	19	26	405	44	91	58	20	12	9.2	130
6	12	14	17	27	151	85	62	41	22	12	9.3	51
7	11	14	16	28	88	130	50	47	19	13	8.9	35
8	9.8	14	16	48	73	568	51	84	17	13	9.5	27
9	9.6	13	56	40	64	856	91	63	18	16	18	23
10	9.8	13	55	30	56	265	65	45	40	17	20	20
11	9.6	13	40	27	51	115	51	36	25	13	15	19
12	9.5	14	44	24	49	82	45	29	19	26	15	18
13	9.5	78	37	25	46	71	38	26	17	21	20	17
14	9.6	49	44	31	44	64	59	25	16	16	16	15
15	10	33	46	93	41	58	75	24	15	15	16	15
16	13	25	34	226	41	52	53	23	15	15	14	15
17	11	21	28	108	116	49	46	23	15	21	17	15
18	16	19	25	71	73	55	76	22	13	40	15	15
19	17	18	22	120	57	156	56	21	15	19	20	16
20	13	17	22	85	51	93	46	20	19	15	18	17
21	12	17	20	58	46	67	41	20	16	15	15	27
22	11	47	104	68	63	55	68	19	15	13	13	30
23	10	32	68	288	125	49	65	18	13	12	13	25
24	12	23	242	117	74	46	54	18	12	12	12	18
25	15	20	321	77	57	44	43	18	11	13	13	15
26	23	19	108	61	48	40	35	17	11	13	12	13
27	34	18	122	173	61	38	31	16	11	12	13	13
28	18	17	84	145	71	37	29	16	12	12	13	15
29	14	17	64	85	---	35	29	16	11	12	13	17
30	14	44	49	66	---	34	42	42	11	11	13	46
31	13	---	40	50	---	32	---	104	---	9.7	13	---
TOTAL	397.8	727	1842	2317	2808	3412	1836	1097	529	458.2	423.4	1787
MEAN	12.8	24.2	59.4	74.7	100	110	61.2	35.4	17.6	14.8	13.7	59.6
MAX	34	78	321	288	585	856	255	104	40	40	20	619
MIN	9.5	13	16	24	38	32	29	16	11	9.6	8.9	13
CFSM	.46	.87	2.12	2.67	3.58	3.93	2.19	1.26	.63	.53	.49	2.13
IN.	.53	.97	2.45	3.08	3.73	4.53	2.44	1.46	.70	.61	.56	2.37

SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.7	19.3	24.0	36.3	44.5	48.9	34.2	21.6	19.0	18.2	18.1	16.2
MAX	171	58.6	60.2	92.7	133	110	78.8	69.2	48.3	53.1	61.5	59.6
(WY)	1991	1993	1965	1995	1995	1980	1962	1964	1994	1964	1964	1998
MIN	6.77	8.73	9.42	11.8	15.4	13.2	11.1	7.92	6.73	5.71	6.27	5.99
(WY)	1988	1982	1989	1981	1968	1988	1986	1988	1990	1986	1986	1990
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1958 - 1998	
ANNUAL TOTAL	7406.3					17634.4						
ANNUAL MEAN	20.3					48.3					26.6	
HIGHEST ANNUAL MEAN											50.1	
LOWEST ANNUAL MEAN											11.7	
HIGHEST DAILY MEAN	321					856					3800	
LOWEST DAILY MEAN	4.8					8.9					3.6	
ANNUAL SEVEN-DAY MINIMUM	5.2					9.5					3.9	
INSTANTANEOUS PEAK FLOW						1520					11400	
INSTANTANEOUS PEAK STAGE						8.38					14.02	
ANNUAL RUNOFF (CFSM)	.72					1.73					.95	
ANNUAL RUNOFF (INCHES)	9.84					23.43					12.93	
10 PERCENT EXCEEDS	37					85					48	
50 PERCENT EXCEEDS	13					24					17	
90 PERCENT EXCEEDS	6.2					12					8.8	

a July 22, 1988 and July 7, 1990.

b From rating curve extended above 4,300 ft³/s on basis of contracted-opening measurement of peak flow.

SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0800	81341	9.8	74	73	7.0	6.9	20.0	19.0	8.2	91
NOV 05...	0900	81341	15	59	57	6.6	6.4	11.0	7.0	10.5	95
DEC 03...	0930	81341	21	60	63	6.5	6.6	12.0	12.0	10.2	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	4.0	<1.0	22	16	2	.840	<.030	.090	4.0
NOV 05...	81341	4.0	1.0	14	11	5	.630	<.030	.060	6.0
DEC 03...	81341	4.0	<1.0	12	13	6	.520	<.030	.080	7.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0800	81341	9.8	74	7.0	20.0	19.0	8.2	91	130
NOV 05...	0900	81341	15	59	6.6	11.0	7.0	10.5	95	230
19...	0915	81213	18	61	6.5	9.0	9.0	11.0	95	110
24...	0930	81213	23	61	6.5	11.0	9.0	10.3	93	120
DEC 03...	0930	81341	21	60	6.5	12.0	12.0	10.2	95	170

SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 12...	0955	81213	12	67	7.0	23.4	36.0	7.1	84

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 12...	81213	6.1	1.5	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 12...	81213	<1.0	<2.0	<.1	1.4	<2.0	19

SAVANNAH RIVER BASIN

02197830 BRIER CREEK NEAR WAYNESBORO, GA.

LOCATION.--Lat 33°07'05", long 81°57'50", Burke County, Hydrologic Unit 03060108, at downstream side of bridge on State Highway 56, 1 mi upstream from McIntosh Creek, and 3.8 mi northeast of Waynesboro.

DRAINAGE AREA.--473 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0930	81341	388	188	183	6.9	6.5	14.8	19.5	8.0	79
NOV 18...	1330	81341	1720	65	--	7.2	6.3	7.7	13.0	10.5	87
DEC 16...	1330	81341	978	75	73	7.2	6.6	7.0	16.0	11.8	97

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	3.0	1.1	20	7	2	<.020	<.030	.130	6.0
NOV 18...	81341	11	1.8	8	6	6	.030	<.030	.080	11
DEC 16...	81341	5.0	<1.0	12	9	<1	<.020	<.030	.040	7.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	0915	81213	219	173	7.1	19.1	24.0	7.0	76	170
14...	1200	81213	153	199	7.0	20.7	26.0	7.2	81	110
21...	0930	81341	388	188	6.9	14.8	19.5	8.0	79	330
NOV 18...	1330	81341	1720	65	7.2	7.7	13.0	10.5	87	330
DEC 16...	1330	81341	978	75	7.2	7.0	16.0	11.8	97	230

SAVANNAH RIVER BASIN

02197830 BRIER CREEK NEAR WAYNESBORO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 12...	1530	81213	216	174	7.5	25.4	39.0	6.4	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 12...	81213	5.0	1.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 12...	81213	<1.0	<2.0	<.1	<1.0	<2.0	16

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.

LOCATION.--Lat 32°56'00", long 81°39'05", Screven County, Hydrologic Unit 03060108, near right bank on downstream side of pier of Girard-Millhaven Road bridge at Millhaven, 8.5 mi upstream from Beaverdam Creek.

DRAINAGE AREA.--646 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1936 to current year. Monthly discharges only for October 1936 to April 1937, published in WSP 1303.

REVISED RECORDS.--WSP 1383: Drainage area. WSP 1503: 1956.

GAGE.--Water-stage recorder. Datum of gage is 95.88 ft above sea level. Prior to June 7, 1950, nonrecording gage at site 200 ft downstream at same datum. June 7, 1950, to Apr. 30, 1951, nonrecording gage at present site and datum.

REMARKS.--Records good. Records of chemical analyses for the 1970-79 water years are published in reports of the U.S. Geological Survey. Periods of monthly discharges only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1797, 25.1 ft in September or October 1929, from information provided by the Georgia Department of Transportation; discharge, 64,000 ft³/s, by slope-conveyance study.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 29	1000	4,080	10.80	Mar. 12	0900	*8,730	*13.74
Jan. 27	2400	3,250	10.00	Apr. 9	0700	2,840	9.51
Feb. 8	0600	6,620	12.70	Sept. 8	1700	3,300	10.05
Feb. 28	1100	2,230	8.71				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	819	899	851	1700	2300	1930	961	1250	379	215	227	166
2	1180	1340	757	1610	1910	1610	949	1260	374	206	211	166
3	1140	1160	735	1380	1680	1440	997	1430	366	206	197	309
4	934	882	711	1180	2520	1350	1410	1370	384	204	182	837
5	797	692	699	1060	3290	1350	1490	1280	471	208	173	1280
6	653	593	794	990	3510	1370	1640	1350	551	210	164	1630
7	503	580	1050	1010	4870	1460	1690	1300	524	201	157	2230
8	362	643	922	986	6240	2000	2500	1390	475	196	159	3070
9	281	679	827	999	4190	4600	2780	1420	426	190	174	2740
10	244	651	833	951	2610	6460	2310	1390	464	189	217	1790
11	229	586	955	911	1910	6710	1770	1220	574	189	238	1240
12	213	527	1040	904	1610	8240	1430	1090	562	190	237	879
13	201	668	1140	926	1430	5750	1430	1060	502	194	269	628
14	195	791	1160	1100	1310	3350	2180	1150	428	192	316	500
15	202	743	1260	1190	1210	2310	2000	1050	401	199	347	430
16	222	741	1250	1310	1160	1850	1660	870	394	267	361	387
17	247	710	1210	1290	1560	1620	1500	766	379	323	339	358
18	272	741	1100	1390	1610	1490	1890	690	341	517	285	345
19	347	1050	1020	1560	1660	1840	2020	613	309	884	263	342
20	382	1680	946	1990	1500	1870	1860	573	297	679	289	343
21	387	1340	874	2400	1350	1680	1570	547	301	551	335	341
22	380	1020	927	1910	1490	1570	1410	531	293	437	324	357
23	412	846	1050	2360	1860	1620	1490	517	284	411	291	385
24	426	737	1350	2560	1690	1680	1880	491	305	409	269	387
25	420	702	2410	2390	1560	1540	1730	460	332	341	253	369
26	475	689	2380	2030	1420	1350	1440	429	319	282	226	380
27	706	686	2950	2560	1540	1230	1300	409	287	251	210	401
28	718	703	3340	3000	2150	1130	1330	394	263	257	194	416
29	750	702	3910	2480	---	1070	1240	385	245	249	180	416
30	720	848	2940	2040	---	1030	1110	378	236	235	175	403
31	636	---	2040	1840	---	986	---	377	---	229	166	---
TOTAL	15453	24629	43431	50007	61140	73486	48967	27440	11466	9311	7428	23525
MEAN	498	821	1401	1613	2184	2371	1632	885	382	300	240	784
MAX	1180	1680	3910	3000	6240	8240	2780	1430	574	884	361	3070
MIN	195	527	699	904	1160	986	949	377	236	189	157	166
CFSM	.77	1.27	2.17	2.50	3.38	3.67	2.53	1.37	.59	.46	.37	1.21
IN.	.89	1.42	2.50	2.88	3.52	4.23	2.82	1.58	.66	.54	.43	1.35

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	409	442	659	876	1039	1225	956	558	423	379	412	348
MAX	1814	1580	2091	1990	2709	2635	2304	1759	1211	1103	2817	1544
(WY)	1991	1948	1949	1993	1960	1948	1961	1964	1973	1941	1940	1964
MIN	116	203	208	335	304	422	294	176	138	89.0	94.9	102
(WY)	1955	1955	1989	1956	1989	1938	1985	1986	1990	1986	1954	1954

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1937 - 1998

ANNUAL TOTAL	207820	396283	
ANNUAL MEAN	569	1086	641
HIGHEST ANNUAL MEAN			1339
LOWEST ANNUAL MEAN			301
HIGHEST DAILY MEAN	3910	Dec 29	8240
LOWEST DAILY MEAN	110	Sep 10	157
ANNUAL SEVEN-DAY MINIMUM	119	Sep 5	172
INSTANTANEOUS PEAK FLOW			8730
INSTANTANEOUS PEAK STAGE			13.74
INSTANTANEOUS LOW FLOW			157
ANNUAL RUNOFF (CFSM)	.88		1.68
ANNUAL RUNOFF (INCHES)	11.97		22.82
10 PERCENT EXCEEDS	1150		2080
50 PERCENT EXCEEDS	444		837
90 PERCENT EXCEEDS	158		224
			25400
			17.40
			62
			.99
			13.48
			1270
			461
			192
			Aug 16 1940
			Jul 10 1990
			Sep 5 1954
			Aug 16 1940
			Aug 16 1940
			Jul 9 1990

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1400	81341	390	147	145	6.8	6.8	16.0	22.5	8.2	83
NOV 18...	1230	81341	741	95	92	6.8	6.7	7.4	14.2	10.2	84
DEC 16...	1300	81341	1250	71	70	6.8	6.6	7.6	18.4	10.6	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	10	2.0	<1.0	22	13	.030	<.030	.050	6.0
NOV 18...	81341	60	3.0	<1.0	14	12	.030	<.030	.030	8.0
DEC 16...	81341	55	4.0	<1.0	12	12	.050	<.030	.040	8.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	0945	81213	372	130	7.0	20.0	25.5	7.7	84	50
14...	1130	81213	197	182	6.7	20.9	27.6	7.6	85	20
21...	1400	81341	390	147	6.8	16.0	22.5	8.2	83	560
NOV 18...	1230	81341	741	95	6.8	7.4	14.2	10.2	84	170
DEC 16...	1300	81341	1250	71	6.8	7.6	18.4	10.6	89	130

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 10...	1240	81213	473	99	7.3	24.4	37.5	5.8	70

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 10...	81213	6.6	1.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 10...	81213	<1.0	<2.0	<.1	<1.0	<2.0	14

SAVANNAH RIVER BASIN

02198100 BEAVERDAM CREEK NEAR SARDIS, GA.

LOCATION.--Lat 32°56'15", long 81°48'56", Burke-Jenkins County line, Hydrologic Unit 03060108, at downstream side of bridge on State Highway 23, 0.8 mi downstream from Slough Branch, and 4.2 mi southwest of Sardis.

DRAINAGE AREA.--30.8 mi².

PERIOD OF RECORD.--June 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 186.48 ft above sea level.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 25	0100	2,580	7.95	Feb. 17	1530	494	6.31
Jan. 23	1000	1,140	7.12	Mar. 9	0830	*4,070	*8.49
Jan. 27	2230	452	6.22	Mar. 19	1300	584	6.48
Feb. 4	1830	2,440	7.89	Apr. 18	1330	698	6.65

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	89	135	65	64	155	39	227	5.1	3.7	3.7	6.2
2	5.4	101	68	57	58	92	41	167	4.9	3.7	3.5	5.7
3	5.8	69	43	56	277	69	74	77	4.7	3.8	3.4	88
4	6.5	41	36	57	1730	56	265	134	4.5	3.8	3.4	116
5	6.9	30	33	59	1050	60	183	86	4.6	4.2	3.2	79
6	7.4	27	29	63	281	140	70	52	4.7	3.9	3.2	26
7	8.0	27	25	66	171	233	46	38	4.5	3.8	3.2	13
8	8.7	28	24	109	123	792	53	120	4.2	3.6	3.3	9.3
9	8.8	26	48	115	99	3010	213	127	4.6	3.6	7.6	7.9
10	9.2	24	103	72	82	475	174	61	7.6	4.2	7.0	6.8
11	9.1	24	172	55	76	197	73	42	7.4	3.7	4.6	6.3
12	9.3	24	163	48	72	128	46	33	6.3	3.7	4.7	6.0
13	9.7	192	149	47	65	97	37	26	5.8	3.6	9.7	5.7
14	9.7	244	141	49	61	85	59	23	5.4	3.4	6.2	5.4
15	21	120	185	104	57	77	162	19	5.1	4.5	6.8	5.1
16	23	59	123	299	63	69	109	17	5.0	5.0	5.6	5.0
17	21	42	67	228	332	63	62	16	5.1	7.1	4.9	5.1
18	20	36	49	114	315	64	471	15	4.8	12	4.5	5.6
19	21	34	43	117	150	423	399	12	4.7	6.8	4.4	6.0
20	17	32	39	135	98	263	144	10	5.0	5.3	4.4	5.6
21	16	31	37	94	78	142	76	9.3	4.7	4.7	4.0	6.5
22	15	36	106	76	93	87	134	8.0	4.4	4.3	3.9	7.2
23	16	41	199	825	290	68	150	7.3	4.3	4.2	3.7	6.0
24	15	36	633	560	233	59	98	7.1	4.2	4.2	3.6	5.9
25	17	32	1380	217	124	56	65	6.5	4.1	4.0	3.4	5.3
26	48	29	335	114	82	52	46	5.9	4.0	3.9	3.3	4.9
27	216	27	349	230	155	47	38	5.6	3.9	3.9	3.9	5.1
28	132	26	339	335	206	45	33	5.5	3.9	5.5	4.1	5.2
29	44	27	193	189	---	42	31	5.4	3.8	5.2	4.6	5.5
30	31	154	119	105	---	40	41	5.3	3.7	4.2	4.6	6.5
31	27	---	84	79	---	38	---	5.3	---	3.8	5.0	---
TOTAL	809.8	1708	5449	4739	6485	7224	3432	1373.2	145.0	141.3	141.4	471.8
MEAN	26.1	56.9	176	153	232	233	114	44.3	4.83	4.56	4.56	15.7
MAX	216	244	1380	825	1730	3010	471	227	7.6	12	9.7	116
MIN	5.3	24	24	47	57	38	31	5.3	3.7	3.4	3.2	4.9
CFSM	.85	1.85	5.71	4.96	7.52	7.57	3.71	1.44	.16	.15	.15	.51
IN.	.98	2.06	6.58	5.72	7.83	8.73	4.15	1.66	.18	.17	.17	.57

SAVANNAH RIVER BASIN

02198100 BEAVERDAM CREEK NEAR SARDIS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	26.9	20.2	33.5	66.6	70.3	71.8	36.5	17.2	14.9	10.4	22.8	9.60
MAX	135	63.5	176	153	232	233	114	92.8	49.1	34.3	179	34.5
(WY)	1991	1993	1998	1998	1998	1998	1998	1991	1992	1991	1991	1992
MIN	3.49	4.84	5.16	8.55	9.82	12.9	7.77	3.97	3.23	3.18	2.85	3.17
(WY)	1988	1994	1988	1994	1989	1988	1995	1995	1990	1986	1993	1993

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1986 - 1998

ANNUAL TOTAL	13582.0	32119.5	
ANNUAL MEAN	37.2	88.0	33.4
HIGHEST ANNUAL MEAN			88.0
LOWEST ANNUAL MEAN			9.69
HIGHEST DAILY MEAN	1380	Dec 25	3010
LOWEST DAILY MEAN	2.5	Aug 24-26	3.2
ANNUAL SEVEN-DAY MINIMUM	2.6	Aug 23	3.3
INSTANTANEOUS PEAK FLOW			4070
INSTANTANEOUS PEAK STAGE			8.49
INSTANTANEOUS LOW FLOW			3.0
ANNUAL RUNOFF (CFSM)	1.21	2.86	1.09
ANNUAL RUNOFF (INCHES)	16.40	38.79	14.75
10 PERCENT EXCEEDS	79	195	69
50 PERCENT EXCEEDS	9.7	32	8.6
90 PERCENT EXCEEDS	3.2	4.1	3.5

a August 2,6, and September 2,3, 1993.

SAVANNAH RIVER BASIN

02198170 BEAVERDAM CREEK NEAR SYLVANIA, GA.

LOCATION.--Lat 32°49'15", long 81°37'24", Screven County, Hydrologic Unit 03060108, at downstream side of bridge on State Highway 73, 1.0 mi upstream from Indian Branch, approximately 3 mi upstream from mouth and 4.9 mi north of Sylvania.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1215	81341	30	173	170	7.7	7.7	15.5	21.5	8.9	89
NOV 18...	1150	81341	360	61	60	6.8	6.7	6.9	12.7	10.4	85
DEC 16...	1220	81341	440	56	--	6.7	6.4	7.4	17.1	10.5	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	2.0	<1.0	74	69	<1	<.020	.030	<.020	9.0
NOV 18...	81341	8.0	1.3	20	14	1	<.020	<.030	.020	20
DEC 16...	81341	4.0	<1.0	16	9	2	<.020	<.030	<.020	14

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	1150	81213	4.4	158	7.3	20.0	28.0	7.7	84	130
14...	1045	81213	2.5	176	7.3	20.3	26.9	6.4	71	220
21...	1215	81341	30	173	7.7	15.5	21.5	8.9	89	230
NOV 18...	1150	81341	360	61	6.8	6.9	12.7	10.4	85	140
DEC 16...	1220	81341	440	56	6.7	7.4	17.1	10.5	88	230

SAVANNAH RIVER BASIN

02198170 BEAVERDAM CREEK NEAR SYLVANIA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 10...	1150	81213	7.5	150	7.8	23.7	37.0	6.0	71

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 10...	81213	25	2.0	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 10...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.8

SAVANNAH RIVER BASIN

02198360 BUCK CREEK NEAR SYLVANIA, GA.

LOCATION.--Lat 32°45'27", long 81°31'20", Screven County, Hydrologic Unit 03060109, at upstream side of culvert on State Highway 24, 0.2 mi downstream from South Prong Buck Creek, approximately 6.5 mi above mouth and 6.7 mi east of Sylvania.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1130	81341	.00	325	316	6.9	7.0	16.5	22.5	2.0	20
NOV 18...	1105	81341	46	120	116	6.5	6.4	5.6	12.1	9.2	73
DEC 16...	1145	81341	66	89	--	6.5	6.8	7.1	16.1	9.7	80

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	19	1.5	62	59	11	.020	1.12	.150	25
NOV 18...	81341	7.0	1.2	22	13	2	.030	<.030	.050	19
DEC 16...	81341	7.0	<1.0	16	12	<1	.070	<.030	.040	16

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	1215	81213	16	226	6.9	20.8	30.0	1.6	18	130
14...	1000	81213	.00	286	6.5	21.1	26.1	1.2	13	20
21...	1130	81341	.00	325	6.9	16.5	22.5	2.0	20	<20
NOV 18...	1105	81341	46	120	6.5	5.6	12.1	9.2	73	120
DEC 16...	1145	81341	66	89	6.5	7.1	16.1	9.7	80	130

SAVANNAH RIVER BASIN

02198360 BUCK CREEK NEAR SYLVANIA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 10...	1405	81213	<.01	131	7.3	24.8	38.0	4.2	51

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 10...	81213	12	3.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 10...	81213	<1.0	<2.0	<.1	<1.0	<2.0	9.3

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.
(Radiochemical program station) (Tritium network)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County, Ga.-Jasper County, S.C., Hydrologic Unit 03060109, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi north of Clio, and at mile 60.9.

DRAINAGE AREA.--9,850 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to September 1933, October 1937 to current year. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

REVISED RECORDS.--WSP 1112: 1940.

GAGE.--Data-collection platform. Datum of gage is 13.39 ft above sea level. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft higher. Jan. 31, 1933 to June 12, 1945, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of estimated daily discharge, which are poor. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake. (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7750	11400	8110	27900	32300	37800	29100	32400	18800	8450	e8370	8140
2	7200	10600	8500	27800	32100	38000	28000	30800	18800	8870	e8450	8390
3	7140	9370	9120	26500	33100	38100	27300	29300	17200	8960	e8350	8640
4	7640	8690	9970	25000	35700	37900	27300	29000	14600	8750	7750	8840
5	7810	8750	9890	23900	38100	37600	26700	30100	12200	8050	7450	9600
6	7530	9000	9670	23600	40400	37400	26000	32300	11100	7320	7590	11000
7	6990	9220	9910	24200	42400	37500	25400	33900	11000	7050	7370	12100
8	6800	8710	9780	25800	43100	38400	25300	34600	10800	7350	7070	13000
9	7650	7370	8810	27400	43600	41100	26000	34400	10100	7860	7030	13900
10	8320	6760	8420	28400	46800	45600	26400	34400	9210	7900	7210	14400
11	8330	7130	8890	28600	49700	51000	27300	34400	9150	7850	7460	14500
12	7690	7100	9220	27900	50900	52600	27900	33900	9690	7910	7720	13800
13	7180	7560	9640	26400	50600	51000	27500	33000	10400	7820	7790	12300
14	6570	8240	10100	24700	49200	49800	26900	30800	10600	7350	7590	10600
15	6280	9210	10300	23500	47600	47600	27300	27900	10300	7070	7480	9600
16	6820	10300	10700	23100	46700	42900	29200	24900	9850	7430	7550	9140
17	7000	11600	11000	23400	47900	39000	32600	23000	9680	8140	8080	9120
18	7440	12500	11800	24900	48200	36800	35000	22200	9970	8560	8070	9100
19	7100	12800	12600	27200	48700	36800	35800	22600	10100	9440	7820	9060
20	6780	12000	13300	28900	48200	37600	35100	24700	9990	10000	8160	9030
21	6850	11100	14000	30000	44700	38600	34400	27600	10000	10000	8300	8860
22	6760	10600	14600	31000	40500	39400	34200	29100	10000	9830	8160	8270
23	6770	10000	15100	32700	38800	39400	34300	28700	9730	9670	8170	8050
24	6710	9240	15800	33400	37900	38100	34800	26600	9290	9590	8080	8630
25	7070	8440	16600	33600	38000	35600	35400	23700	9020	9450	7910	8790
26	8040	7960	17300	34000	38400	33500	36000	21100	8710	9220	8160	8540
27	8540	7640	18600	34600	38200	32600	36200	19300	8870	8680	8200	8050
28	8410	7810	20600	34500	37900	32700	35900	18400	9340	7980	7960	7890
29	9170	7740	23300	33700	---	32800	35000	18000	9030	7780	7920	7580
30	10600	7830	25600	33300	---	32100	33700	18000	8340	8080	7860	7630
31	11500	---	27000	32900	---	30700	---	18400	---	e8170	7870	---
TOTAL	236440	276670	408230	882800	1189700	1220000	922000	847500	325870	260580	242950	296550
MEAN	7627	9222	13170	28480	42490	39350	30730	27340	10860	8406	7837	9885
MAX	11500	12800	27000	34600	50900	52600	36200	34600	18800	10000	8450	14500
MIN	6280	6760	8110	23100	32100	30700	25300	18000	8340	7050	7030	7580

e Estimated

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9296	8840	11410	14530	16350	18870	17660	11950	9643	8857	9125	8235
MAX	83660	26510	39150	43930	42490	39350	55680	33890	27770	21260	32850	23520
(WY)	1930	1948	1949	1993	1998	1998	1964	1964	1973	1941	1940	1964
MIN	2776	3235	5122	5853	6723	7043	6664	4873	4925	4635	4793	3098
(WY)	1932	1932	1940	1956	1989	1988	1986	1941	1988	1952	1951	1931

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1930 - 1998	
ANNUAL TOTAL	4208990		7109290			
ANNUAL MEAN	11530		19480		12040	
HIGHEST ANNUAL MEAN	†11790		†19590		20900	
LOWEST ANNUAL MEAN					6399	
HIGHEST DAILY MEAN	30200		52600		e203000	
LOWEST DAILY MEAN	5440		6280		1950	
ANNUAL SEVEN-DAY MINIMUM	5810		6860		2470	
INSTANTANEOUS PEAK FLOW			53000		a270000	
INSTANTANEOUS PEAK STAGE			18.00		b29.70	
ANNUAL RUNOFF (CFSM)	1.17		†1.20		1.22	
ANNUAL RUNOFF (INCHES)	15.90		†16.25		16.61	
10 PERCENT EXCEEDS	18800		38000		22200	
50 PERCENT EXCEEDS	9940		11400		8990	
90 PERCENT EXCEEDS	6810		7560		5760	

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

a From rating curve extended above 120,000 ft³/s (from information provided by the U.S. Army Corps of Engineers).

b Present datum (from information provided by the U.S. Army Corps of Engineers).

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1974 to July 1977.

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

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 and 85113 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURE: Maximum daily, 27°C Aug. 23, 1975, July 9, 13, 1977; minimum daily recorded 4.0°C Jan. 22-24, 26, 30, Feb. 1, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0910	81341	6890	107	103	7.2	7.3	18.5	16.0	7.8	83
NOV 18...	0945	81341	12500	80	79	7.1	7.1	12.0	8.2	8.7	80
DEC 16...	1015	81341	10600	96	95	6.8	7.1	9.9	11.6	9.5	84
FEB 11...	0815	81341	49400	51	49	6.6	6.7	10.0	9.9	9.4	84
MAR 04...	0800	81341	37900	59	56	6.6	6.8	12.5	3.8	8.6	80
MAR 19...	0830	81341	36700	54	52	6.6	6.8	12.8	15.3	8.8	84
APR 21...	0645	81341	34500	60	58	6.4	6.9	17.7	15.0	7.2	76
MAY 20...	0645	81341	24000	62	60	6.7	6.6	21.3	21.3	6.0	68
JUN 24...	0645	81341	9360	90	88	6.9	6.9	26.0	27.4	6.1	76
JUL 09...	0645	81341	7820	102	99	7.0	6.9	27.2	27.0	6.2	78
AUG 13...	0650	81341	7840	99	97	7.0	6.9	26.2	24.7	6.4	79
SEP 03...	0645	81341	8460	87	85	6.9	6.9	25.5	21.3	6.6	82

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
OCT 21...	81341	10	6.0	14	1.0	20	11
NOV 18...	81341	80	24	21	<1.0	18	30
DEC 16...	81341	30	7.0	24	<1.0	20	10
FEB 11...	81341	100	19	14	<1.0	12	5
MAR 04...	81341	60	11	16	1.5	15	5
MAR 19...	81341	10	17	5	1.1	14	4
APR 21...	81341	40	11	15	1.0	15	4
MAY 20...	81341	45	11	17	<1.0	15	8
JUN 24...	81341	30	13	<5	1.0	20	21
JUL 09...	81341	20	14	12	<1.0	22	23
AUG 13...	81341	25	9.0	15	<1.0	21	18
SEP 03...	81341	10	8.0	8	<1.0	19	16

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	.330	<.030	--	.30	.63	.130	4.0
NOV 18...	81341	.140	<.030	--	.40	.54	.100	10
DEC 16...	81341	.250	.040	.36	.40	.65	.170	6.0
FEB 11...	81341	.120	<.030	--	.30	.42	.030	6.0
MAR 04...	81341	.130	<.030	--	.30	.43	.040	5.0
19...	81341	.310	.040	.26	.30	.61	.040	5.0
APR 21...	81341	.250	<.030	--	.40	.65	.050	6.0
MAY 20...	81341	.250	<.030	--	.30	.55	.060	5.0
JUN 24...	81341	.450	.040	.26	.30	.75	.150	4.0
JUL 09...	81341	.430	<.030	--	.30	.73	.130	3.0
AUG 13...	81341	.300	<.030	--	.30	.60	.140	4.0
SEP 03...	81341	.300	<.030	--	.20	.50	.150	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRITIUM IN WATER MOLE- CULES (TU) (07012)	TRITIUM WATER MOLE- CULES COUNT ERROR (TU) (07013)
NOV 18...	0946	85113	12500	154	5.0
FEB 19...	0816	85113	48600	104	4.0
APR 21...	0646	85113	34500	162	4.0
MAY 20...	0646	85113	24000	185	5.0

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
08...	1345	81213	6760	110	7.3	23.4	29.5	7.4	86	220
14...	0845	81213	6650	107	6.8	22.9	23.2	7.1	82	<20
21...	0910	81341	6890	107	7.2	18.5	16.0	7.8	83	50
NOV										
18...	0945	81341	12500	80	7.1	12.0	8.2	8.7	80	230
DEC										
16...	1015	81341	10600	96	6.8	9.9	11.6	9.5	84	220
FEB										
02...	1315	81213	32000	58	6.6	9.5	14.3	9.7	85	40
11...	0815	81341	49400	51	6.6	10.0	9.9	9.4	84	50
19...	0815	81213	48600	55	6.7	11.9	7.8	9.1	84	80
MAR										
04...	0800	81341	37900	59	6.6	12.5	3.8	8.6	80	50
APR										
21...	0645	81341	34500	60	6.4	17.7	15.0	7.2	76	20
28...	0645	81213	36000	59	6.4	16.9	14.0	8.1	83	<20
MAY										
12...	0645	81213	34100	59	6.5	19.2	19.2	6.9	75	20
20...	0645	81341	24000	62	6.7	21.3	21.3	6.0	68	50
AUG										
13...	0650	81341	7840	99	7.0	26.2	24.7	6.4	79	20
20...	0645	81213	8070	104	6.9	26.4	24.3	6.4	79	20
27...	0650	81213	8270	92	6.9	25.6	26.0	6.7	81	<20
SEP										
03...	0645	81341	8460	87	6.9	25.5	21.3	6.6	82	80

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
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JUN 11...	1005	81213	9110	115	6.8	24.9	37.0	6.0	73
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DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
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JUN 11...	81213	6.0	1.5	<1.0	<2.0	<.5	<1.0	2.0
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DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
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JUN 11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	7.0
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SAVANNAH RIVER BASIN

02198600 RUNS BRANCH NEAR CLYO, GA.

LOCATION.--Lat 32°27'35", long 81°17'30", Effingham County, Hydrologic Unit 03060109, at downstream side of bridge on County Road 63, 0.1 mi downstream from Green Bay, 1.1 mi upstream from Deep Branch and 2.3 mi southwest of Clio.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1020	81341	158	56	55	4.9	4.8	15.0	19.0	7.4	73
NOV 18...	0850	81341	400	65	63	4.5	4.5	6.6	4.0	9.4	76
DEC 16...	0920	81341	380	56	56	4.8	4.7	7.0	8.2	9.5	78

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	2.0	2.0	14	1	3	<.020	<.030	.050	31
NOV 18...	81341	1.0	<1.0	12	<1	1	<.020	<.030	.030	32
DEC 16...	81341	1.0	<1.0	12	2	1	<.020	<.030	.030	29

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	1315	81213	2.0	57	6.5	20.4	29.0	4.0	44	110
14...	0750	81213	E.20	58	5.1	20.2	19.7	.9	10	50
21...	1020	81341	158	56	4.9	15.0	19.0	7.4	73	1300
NOV 18...	0850	81341	400	65	4.5	6.6	4.0	9.4	76	170
DEC 16...	0920	81341	380	56	4.8	7.0	8.2	9.5	78	170

SAVANNAH RIVER BASIN

02198600 RUNS BRANCH NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 11...	0855	81213	<.01	44	5.1	24.5	24.5	1.1	14

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 11...	81213	2.3	1.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	16

SAVANNAH RIVER BASIN

02198690 EBENEZER CREEK AT SPRINGFIELD, GA.

LOCATION.--Lat 32°21'56", long 81°17'51", Effington County, Hydrologic Unit 03060109, at downstream side of bridge pier on Stillwell Road, 0.5 mi east of Springfield, and 3 mi upstream from Little Ebenezer Creek.

DRAINAGE AREA.--181 mi².

PERIOD OF RECORD.--March 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 20 ft above sea level (from topographic map). Prior to April 25, 1990, nonrecording gage at same site and datum.

REMARKS.--Records good, except those less than 10 ft³/s, which are poor to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 26	1100	1,610	12.48	Feb. 24	1100	2,130	13.09
Jan. 24	1900	1,890	12.82	Mar. 10	0430	*2,950	*13.88
Jan. 29	0230	1,420	12.22	Apr. 5	2330	845	11.08
Feb. 5	2400	1,830	12.75	Apr. 10	1130	2,470	13.44
Feb. 18	1700	2,230	13.19	Apr. 16	1500	1,010	11.46

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	133	124	451	512	688	90	130	1.1	.10	1.9	.29
2	38	107	174	369	415	603	82	188	.81	.08	1.2	.14
3	24	99	266	306	390	487	79	167	.61	.07	.86	.37
4	17	125	278	258	653	390	184	264	.78	.06	.67	.98
5	13	140	215	226	1460	319	600	398	14	.07	.45	129
6	9.5	117	157	207	1630	288	743	359	14	.09	.29	40
7	6.9	88	119	203	1090	327	491	284	7.0	.08	.22	28
8	4.9	67	98	240	773	568	377	198	3.6	.05	.37	20
9	3.1	56	92	305	586	1900	939	125	2.4	.05	.22	47
10	2.1	57	85	320	467	2740	2310	83	2.0	.05	.33	68
11	1.3	49	86	311	391	1670	1560	67	3.1	.06	.22	50
12	1.1	45	94	274	337	1010	917	63	1.6	.45	1.2	28
13	.67	92	105	228	289	716	615	72	1.1	.68	1.4	19
14	.58	129	130	191	254	547	477	85	.74	.47	.71	12
15	.55	184	150	192	219	445	712	60	.57	1.9	1.1	7.8
16	1.0	291	147	270	221	378	977	40	.34	1.7	5.9	4.5
17	.88	311	141	400	879	322	859	30	.32	1.2	14	2.1
18	1.1	243	131	498	2070	282	629	24	.29	1.2	14	2.1
19	4.4	178	112	455	1610	359	470	19	.43	.78	14	7.7
20	2.8	130	93	389	990	511	372	16	.59	.49	8.1	22
21	2.0	98	77	340	699	589	292	13	.43	.35	3.2	20
22	14	88	77	308	561	493	229	11	.36	.22	1.2	16
23	18	87	103	675	1200	389	181	8.6	.37	.20	.48	13
24	15	72	238	1700	2010	314	150	6.8	.35	.12	.21	10
25	13	65	683	1520	1430	257	127	4.8	.27	.07	.07	7.1
26	19	61	1500	972	928	214	107	3.1	.23	.07	.05	4.4
27	46	58	1230	851	710	181	87	1.9	.28	1.4	.03	2.4
28	53	53	1010	1270	697	154	68	1.6	.17	1.7	.08	1.5
29	107	49	920	1310	---	134	54	1.7	.18	4.3	.09	1.2
30	170	89	752	940	---	117	49	2.4	.14	13	.06	5.4
31	150	---	572	678	---	102	---	1.6	---	3.6	.06	---
TOTAL	793.88	3361	9959	16657	23471	17494	14827	2728.5	58.16	34.66	72.67	703.63
MEAN	25.6	112	321	537	838	564	494	88.0	1.94	1.12	2.34	23.5
MAX	170	311	1500	1700	2070	2740	2310	398	14	13	14	129
MIN	.55	45	77	191	219	102	49	1.6	.14	.05	.03	.14
CFSM	.14	.62	1.77	2.97	4.63	3.12	2.73	.49	.01	.01	.01	.13
IN.	.16	.69	2.05	3.42	4.82	3.60	3.05	.56	.01	.01	.01	.14

SAVANNAH RIVER BASIN

02198690 EBENEZER CREEK AT SPRINGFIELD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	169	110	183	357	365	268	185	56.0	106	48.3	254	51.9
MAX	817	327	557	734	838	564	494	275	324	206	1033	148
(WY)	1995	1993	1995	1993	1998	1998	1998	1991	1991	1991	1991	1992
MIN	.55	8.53	23.5	76.3	72.2	58.5	24.1	1.64	1.94	.053	.40	.12
(WY)	1994	1997	1992	1996	1996	1997	1994	1995	1998	1990	1993	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1990 - 1998	
ANNUAL TOTAL	29781.65		90160.50			
ANNUAL MEAN	81.6		247		187	
HIGHEST ANNUAL MEAN					373	
LOWEST ANNUAL MEAN					49.0	
HIGHEST DAILY MEAN	1500	Dec 26	2740	Mar 10	7010	Aug 27 1995
LOWEST DAILY MEAN	.04	Sep 13	.03	Aug 27	.01	a
ANNUAL SEVEN-DAY MINIMUM	.09	Sep 7	.06	Aug 25	.01	Jul 6-9 1990
INSTANTANEOUS PEAK FLOW			2950	Mar 10	8960	Aug 26 1995
INSTANTANEOUS PEAK STAGE			13.88	Mar 10	17.80	Aug 26 1995
INSTANTANEOUS LOW FLOW			.02	Aug 27	.01	a
ANNUAL RUNOFF (CFSM)	.45		1.36		1.03	
ANNUAL RUNOFF (INCHES)	6.12		18.53		14.04	
10 PERCENT EXCEEDS	216		714		440	
50 PERCENT EXCEEDS	28		77		49	
90 PERCENT EXCEEDS	.60		.29		56	

a July 6-15, 28-31, 1990 and October 14,15, 1993.

SAVANNAH RIVER BASIN

02198715 EBENEZER CREEK NEAR STILLWELL, GA.

LOCATION.--Lat 32 22'30", long 81 13'19", Effingham County, Hydrologic Unit 03060109, at Halfmoon Landing, 2.7 mi downstream of Seaboard Coast Line Railroad, 1.5 mi southeast of Stillwell, and 2.5 mi upstream from mouth.

PERIOD OF RECORD.--July 1991 to December 1997 (discontinued).

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0805	81341	1.86	63	62	5.2	5.2	17.5	13.5	1.7	18
NOV 18...	0750	81341	5.63	68	67	4.8	4.7	9.9	.5	5.6	49
DEC 16...	0820	81341	4.82	61	59	5.1	4.9	8.9	7.0	6.4	55

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)
OCT 21...	81341	180	1.0	78	1.1	3
NOV 18...	81341	200	2.0	82	2.3	1
DEC 16...	81341	200	2.0	70	1.1	3

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TANNIN AND LIGNIN (MG/L) (32240)
OCT 21...	81341	.030	.070	1.0	1.1	1.1	.060	32	--
NOV 18...	81341	<.020	<.030	--	.80	--	.030	34	5.5
DEC 16...	81341	<.020	<.030	--	.70	--	.030	28	1.4

SAVANNAH RIVER BASIN

02198715 EBENEZER CREEK NEAR STILLWELL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
08...	1440	81213	1.53	63	6.5	21.6	29.5	1.8	20	50
14...	0705	81213	1.87	66	5.2	21.5	18.3	1.6	18	20
21...	0805	81341	1.86	63	5.2	17.5	13.5	1.7	18	<20
NOV										
18...	0750	81341	5.63	68	4.8	9.9	.5	5.6	49	110
DEC										
16...	0820	81341	4.82	61	5.1	8.9	7.0	6.4	55	40

SAVANNAH RIVER BASIN

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA.

LOCATION.--Lat 32°14'08", long 81°09'05", Effingham County, Hydrologic Unit 03060109, at right downstream fender of bridge on Interstate 95, 1 mi downstream from Abercorn Creek, and 6.1 mi north of Port Wentworth.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--June 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 7.37 ft, Feb. 7, 1993; minimum elevation recorded, -5.24 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 7.09 ft, Feb. 27; minimum elevation recorded, -3.73 ft, Sept. 4.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.10	-2.76	5.12	-1.96	4.87	-3.30	5.07	-.95	6.20	2.70	6.72	3.43
2	5.05	-2.00	4.69	-2.63	5.39	-2.53	5.04	-.39	6.05	2.56	6.64	2.50
3	5.04	-1.99	4.78	-2.61	5.32	-2.45	5.08	-.20	6.33	3.14	5.48	1.80
4	4.88	-2.26	4.48	-2.73	5.05	-2.69	5.15	-.14	6.33	1.60	5.49	2.11
5	4.73	-2.43	4.87	-2.53	4.68	-3.19	5.05	-.20	5.16	1.61	5.58	2.04
6	4.55	-2.44	5.19	-1.74	4.59	-3.11	5.05	-.56	5.78	1.76	5.68	2.23
7	4.63	-2.52	5.05	-1.88	4.74	-2.82	5.25	-.37	6.39	2.54	5.78	2.40
8	4.81	-2.22	5.15	-2.20	4.90	-2.81	5.47	-.37	6.45	2.92	5.91	2.33
9	4.98	-2.02	5.27	-2.37	5.15	-2.95	5.39	-.65	6.59	3.44	5.75	2.44
10	4.98	-2.21	5.35	-2.33	5.45	-3.01	5.44	-.82	6.40	3.59	5.07	1.95
11	5.13	-2.32	5.39	-2.85	5.38	-3.43	5.52	-.28	6.43	3.50	5.85	2.24
12	5.53	-2.29	5.56	-3.01	5.62	-3.15	5.62	.19	5.80	3.15	6.04	3.20
13	5.63	-1.93	5.93	-2.31	5.86	-2.48	5.60	.57	5.95	3.17	5.96	3.74
14	5.70	-2.38	5.83	-2.27	5.96	-2.10	5.61	.29	5.98	3.33	5.81	3.59
15	5.72	-2.34	5.28	-3.36	5.82	-1.46	5.70	.93	6.14	3.80	5.91	3.33
16	5.98	-2.16	5.17	-3.37	5.74	-1.50	5.14	-.45	6.16	4.05	5.92	3.47
17	5.97	-1.86	5.42	-2.91	5.44	-1.75	4.27	-.76	6.20	4.04	5.92	3.27
18	5.98	-2.00	5.31	-2.37	5.06	-2.34	4.87	-.63	5.64	3.40	5.67	2.75
19	5.84	-1.48	5.17	-2.25	4.82	-2.08	4.61	-.38	5.40	3.46	5.54	2.55
20	5.75	-1.96	4.90	-1.91	4.46	-2.16	4.95	.60	5.53	3.52	5.34	2.35
21	5.54	-1.71	4.89	-1.54	4.47	-1.90	4.89	.86	5.56	3.27	4.67	1.65
22	5.32	-1.69	4.12	-1.81	4.40	-1.43	5.00	1.01	5.84	3.27	4.89	1.70
23	5.24	-1.33	4.27	-2.19	4.44	-1.61	5.17	1.44	6.48	3.42	5.41	2.12
24	5.06	-1.38	4.13	-2.20	4.83	-1.29	5.40	1.29	5.67	2.75	5.69	2.35
25	4.82	-2.30	4.54	-1.97	4.92	-1.37	5.34	.97	6.13	2.42	6.01	2.31
26	4.95	-1.89	4.74	-2.22	4.96	-1.74	5.74	1.49	6.75	2.99	5.99	2.51
27	4.92	-1.98	4.63	-2.86	5.48	-1.48	6.87	2.39	7.09	3.82	6.15	2.17
28	4.92	-3.01	5.02	-2.70	5.37	-1.73	5.83	1.86	6.80	3.78	6.22	1.91
29	5.13	-1.97	5.04	-2.96	5.93	-.69	6.27	2.11	---	---	6.08	1.52
30	5.19	-1.87	5.24	-2.56	4.87	-1.45	6.26	2.45	---	---	6.03	1.33
31	5.27	-1.73	---	---	4.82	-1.36	6.44	2.88	---	---	6.03	1.09
MONTH	5.98	-3.01	5.93	-3.37	5.96	-3.43	6.87	-.95	7.09	1.60	6.72	1.09

SAVANNAH RIVER BASIN

02198880 ST. AUGUSTINE CREEK NEAR PORT WENTWORTH, GA.

LOCATION.--Lat 32°10'20", long 81°08'45", Chatham County, Hydrologic Unit 03060109, at downstream side of bridge on State Highway 21, 2.2 mi northwest of Port Wentworth, and approximately 2.5 mi above mouth.

DRAINAGE AREA.--24.5 mi².

PERIOD OF RECORD.--January 1997 to February 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	GAGE HEIGHT (FEET) (00065)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0700	8.60	81341	92	89	5.2	5.1	16.0	12.0	5.8	58
NOV 18...	0700	7.99	81341	65	63	4.4	4.4	7.7	1.8	8.5	71
DEC 16...	0715	9.10	81341	65	63	4.7	4.7	7.5	8.8	8.7	72

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 21...	81341	4.0	1.6	16	2	5	<.020	<.030	.060	28
NOV 18...	81341	3.0	1.1	12	<1	2	<.020	<.030	.040	35
DEC 16...	81341	5.0	<1.0	--	2	3	<.020	<.030	.040	28

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	1530	81213	12.49	458	7.1	23.8	30.0	6.4	75	50
14...	0610	81213	12.04	810	6.6	23.5	20.4	5.0	59	E250
21...	0700	81341	8.60	92	5.2	16.0	12.0	5.8	58	80
NOV 18...	0700	81341	7.99	65	4.4	7.7	1.8	8.5	71	130
DEC 16...	0715	81341	9.10	65	4.7	7.5	8.8	8.7	72	170

SAVANNAH RIVER BASIN

02198880 ST. AUGUSTINE CREEK NEAR PORT WENTWORTH, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	1410	81213	12.72	251	7.5	18.1	22.5	6.6	70
FEB 25...	1645	81213	9.57	44	4.5	14.0	21.0	7.3	71

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 22...	81213	5.8	4.0	<1.0	<2.0	<.5	<1.0	<1.0
FEB 25...	81213	1.6	.70	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 22...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.0
FEB 25...	81213	<1.0	<2.0	<.1	<1.0	<2.0	7.2

SAVANNAH RIVER BASIN

02198920 SAVANNAH (FRONT) RIVER AT U.S. 17 AT PORT WENTWORTH, GA.

LOCATION.--Lat 32°09'57", long 81°09'14", Chatham County, Hydrologic Unit 03060109, at right downstream fender of bridge on U.S. 17, 1.4 mi north of Port Wentworth.

PERIOD OF RECORD.--October 1987 to May 1998.

GAGE-HEIGHT RECORDS

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 11.08 ft February 7, 1993 and Sept. 26, 1992; minimum gage height recorded, -3.41 ft, Apr. 7, 1989 and Mar. 13, 1993, but was lower during the day when the stage went below the recordable range of the gage.

CURRENT RECORD--October 1997 to April 1998.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 10.57 ft, Feb. 17; minimum gage height, -21.5 ft, Dec. 31.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.67	-.34	8.61	.10	8.37	-1.10	8.49	-1.62	9.68	.78	10.05	.16
2	8.65	.77	8.13	-.49	9.05	-.20	8.42	-1.56	9.50	1.02	10.02	-.79
3	8.64	.62	8.34	-.66	8.93	-.38	8.45	-1.41	9.84	1.57	8.46	-1.27
4	8.42	.39	8.01	-.41	8.63	-.90	8.55	-.86	9.79	-.64	8.62	-.06
5	8.26	.20	8.44	.03	8.10	-1.28	8.44	-.31	8.27	.29	8.76	.23
6	8.07	.34	8.80	1.02	8.05	-.99	8.46	-.51	9.15	1.22	8.98	1.32
7	8.16	.41	8.62	.69	8.18	-.49	8.71	.06	9.77	1.41	9.10	1.19
8	8.34	.86	8.71	.19	8.38	-.59	9.00	-.86	9.78	.95	9.19	1.26
9	8.53	1.08	8.88	.03	8.73	-.85	8.88	-1.17	9.93	1.24	8.89	-.73
10	8.50	.58	8.98	-.83	9.11	-1.64	8.95	-1.68	9.64	1.15	7.77	-1.26
11	8.70	.32	9.06	-.93	9.03	-1.75	9.01	-1.18	9.64	.94	8.99	-.89
12	9.24	.32	9.30	-1.24	9.32	-1.66	9.14	-.80	8.61	.12	8.82	-.18
13	9.38	.19	9.86	-.50	9.66	-.54	9.10	-.42	8.82	.22	8.55	.72
14	9.53	-.62	9.67	-1.07	9.80	-.51	9.14	-.27	8.78	.57	8.23	.35
15	9.57	-.90	8.87	-2.27	9.58	-.41	9.23	.94	9.00	1.92	8.60	-.22
16	10.00	-.56	8.73	-2.02	9.46	.34	8.54	-1.16	8.91	1.69	8.73	1.05
17	9.96	-.26	9.05	-1.05	9.06	.04	7.51	-.49	8.84	1.73	8.51	1.43
18	9.93	-.36	8.90	-.34	8.59	-.21	8.28	.48	7.77	1.14	8.43	1.16
19	9.65	.16	8.73	-.08	8.30	-.01	7.92	.44	7.67	1.59	8.31	1.32
20	9.55	.53	8.41	.47	7.86	.21	8.32	1.66	7.93	1.57	8.26	1.74
21	9.25	1.16	8.38	.96	7.86	.62	8.25	2.31	8.02	1.52	7.36	.41
22	8.95	1.28	7.58	.94	7.82	1.37	8.34	1.84	8.52	1.82	7.77	.58
23	8.84	1.99	7.67	.46	7.83	.92	8.44	1.29	9.65	-.57	8.51	1.03
24	8.60	1.77	7.59	.42	8.26	1.01	8.73	-.49	8.53	-.99	8.90	.15
25	8.33	.81	8.01	.68	8.34	.10	8.59	-.52	9.41	-.86	9.35	.24
26	8.49	.75	8.22	.05	8.44	.10	9.11	.14	10.17	-.33	9.37	-.28
27	8.36	-.02	8.12	-.23	9.07	-.12	10.36	.89	10.57	.81	9.61	-.74
28	8.42	-.33	8.58	-.23	8.92	-1.20	9.22	-.88	10.14	.09	9.72	-1.08
29	8.67	.74	8.60	-.53	9.57	-.19	9.70	-.72	---	---	9.58	-1.41
30	8.77	.51	8.84	-.42	8.20	-1.91	9.70	-.17	---	---	9.54	-1.43
31	8.85	.46	---	---	8.18	-2.65	9.91	.58	---	---	9.40	-1.12
MONTH	10.00	-.90	9.86	-2.27	9.80	-2.65	10.36	-1.68	10.57	-.99	10.05	-1.43

[illegible]

SAVANNAH RIVER BASIN

02198977 SAVANNAH RIVER AT BROAD STREET AT SAVANNAH, GA.

LOCATION.--Lat 32°05'02", long 81°05'45", Chatham County, Hydrologic Unit 03060109, at downstream side of docking facility at SEPCO

Riverside Power Plant, located on River Street at the foot of West Broad Street, 0.4 mi northwest of U.S. Custom House at Savannah.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3.46 ft below sea level, at low mean water (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 11.04 ft Feb. 7, 1993; minimum gage height recorded, -2.75 ft, Apr. 7, 1989, Feb. 24, 1990, Feb. 15, 1991, Mar. 13, 1993, and Mar. 19-21, 1996, Jan. 10, 1997, and Dec. 31, 1997, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height 10.33 ft, Apr. 28; minimum gage height recorded, -2.75 ft, Dec. 31, but was lower during this day when the stage went below the recordable range of the gage.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.31	-.44	8.22	.02	7.98	-1.15	8.19	-2.02	9.44	.15	9.85	-.76
2	8.32	.74	7.73	-.55	8.79	-.30	8.13	-1.94	9.27	.46	9.59	-1.61
3	8.33	.59	8.03	-.70	8.64	-.47	8.15	-1.80	9.64	1.00	8.22	-1.89
4	8.08	.34	7.68	-.40	8.32	-.97	8.18	-1.15	9.57	-1.12	8.37	-.52
5	7.92	.17	8.14	-.02	7.71	-1.31	8.06	-.59	7.88	-.05	8.47	-.27
6	7.76	.21	8.52	.97	7.66	-1.06	8.13	-.75	8.83	.87	8.68	.91
7	7.77	.24	8.33	.62	7.79	-.54	8.35	-.13	9.54	.68	8.82	.80
8	7.99	.81	8.42	.10	8.00	-.61	8.67	-1.07	9.53	.52	8.91	.54
9	8.25	1.00	8.57	-.06	8.40	-.97	8.56	-1.75	9.67	.65	8.66	-1.58
10	8.13	.46	8.70	-1.04	8.83	-1.78	8.64	-1.99	9.38	.48	7.47	-1.87
11	8.39	.23	8.79	-1.03	8.76	-1.78	8.74	-1.48	9.40	.28	8.63	-1.50
12	8.97	.16	9.11	-1.32	9.12	-1.72	8.88	-1.21	8.34	-.59	8.62	-.92
13	9.13	.02	9.73	-.67	9.52	-.58	8.85	-.81	8.58	-.44	8.32	-.23
14	9.34	-.75	9.50	-1.35	9.69	-.63	8.91	-.64	8.49	-.02	7.97	-.33
15	9.40	-1.05	8.61	-2.39	9.45	-.56	9.00	.64	8.75	1.45	8.33	-.95
16	9.91	-.69	8.43	-2.14	9.25	.18	8.30	-1.53	8.71	1.11	8.45	.47
17	9.84	-.45	8.78	-1.12	8.79	-.05	7.22	-.64	8.59	1.06	8.22	1.00
18	9.81	-.46	8.62	-.39	8.27	-.29	7.87	.31	7.50	.63	8.15	.75
19	9.49	.04	8.41	-.11	8.03	-.12	7.57	.35	7.32	1.11	8.05	.87
20	9.34	.49	8.03	.42	7.43	.17	7.97	1.52	7.57	1.20	7.96	1.47
21	9.00	1.13	8.01	.88	7.41	.52	7.85	2.17	7.66	1.14	6.97	.08
22	8.67	1.22	7.20	.52	7.44	1.18	8.03	1.66	8.24	1.48	7.35	.30
23	8.55	1.89	7.23	.26	7.41	.51	8.11	1.03	9.37	-1.58	8.17	.74
24	8.26	1.72	7.24	.33	7.84	.90	8.37	-.90	8.24	-1.83	8.60	-.36
25	8.00	.70	7.66	.58	7.94	.01	8.30	-.90	9.13	-1.68	9.05	-.19
26	8.16	.58	7.88	-.23	8.07	-.10	8.86	-.12	9.88	-1.18	9.11	-1.05
27	8.00	-.44	7.75	-.35	8.79	-.44	10.14	.06	10.29	-.20	9.39	-1.56
28	8.04	-.44	8.22	-.34	8.73	-1.39	8.88	-1.46	9.94	-.85	9.51	-1.89
29	8.34	.66	8.27	-.63	9.34	-.64	9.47	-1.46	---	---	9.37	-2.12
30	8.46	.39	8.54	-.50	7.73	-2.22	9.46	-.86	---	---	9.32	-2.19
31	8.55	.42	---	---	7.86	---	9.72	-.10	---	---	9.16	-1.70
MONTH	9.91	-1.05	9.73	-2.39	9.69	---	10.14	-2.02	10.29	-1.83	9.85	-2.19

SAVANNAH RIVER BASIN

02198977 SAVANNAH RIVER AT BROAD STREET AT SAVANNAH, GA.-- Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.11	-1.48	9.35	.10	8.24	.18	7.01	-.31	7.80	-.16	7.98	.93
2	8.50	-1.07	8.43	.07	7.82	.76	7.43	.44	8.48	1.86	8.11	.51
3	8.07	-.22	8.34	.66	7.81	.79	7.55	.37	8.45	1.28	8.29	-1.41
4	8.29	-.37	8.16	.81	8.09	.59	7.98	.86	8.53	.81	8.31	-1.80
5	8.59	.90	8.07	.72	7.94	.07	8.01	.30	8.70	.34	8.92	-1.49
6	8.23	.40	8.00	.59	7.92	.26	8.46	.30	8.98	-.10	9.37	-1.25
7	8.07	.24	8.23	.55	8.49	.20	8.64	.41	9.09	-.44	9.02	-1.31
8	7.97	.10	7.93	.16	8.27	-.30	8.60	-.33	8.95	-.77	8.71	-1.97
9	7.76	-1.13	8.38	.00	8.26	-.57	8.56	-.79	8.94	-1.15	9.35	-1.30
10	7.63	-1.74	8.71	.10	8.36	-1.09	8.86	-1.23	8.75	-1.07	9.22	-.84
11	8.81	-.61	9.14	.34	8.63	-.84	9.08	-.37	8.66	-1.22	9.11	-.71
12	8.80	.22	9.03	.57	8.65	-.49	9.23	-.10	8.56	-1.26	8.81	-.33
13	8.73	.48	9.14	.49	8.37	-.86	8.97	.14	8.56	-1.01	8.73	-.20
14	8.18	.12	9.35	.99	8.27	-.76	8.97	.23	8.74	-.53	8.62	.13
15	8.45	-.18	9.31	1.01	8.26	-.97	8.93	.03	8.72	-.45	8.71	.31
16	8.15	.30	9.25	.93	7.83	-1.53	8.41	-.76	8.67	-.47	8.69	.20
17	8.09	.14	8.71	.49	7.87	-1.54	8.33	-1.31	8.57	-.83	8.75	.23
18	7.56	.21	8.49	.38	8.34	-.97	8.52	-1.26	8.58	-.71	8.86	.17
19	7.93	.75	8.55	.42	8.61	-1.18	8.72	-1.45	8.65	-.87	8.99	.25
20	8.03	.12	8.52	-.16	8.96	-1.18	8.88	-1.42	9.46	-.40	8.92	.44
21	8.72	.68	8.82	-.94	9.21	-1.57	8.78	-1.79	9.23	.28	8.45	.12
22	8.94	-.06	9.63	-.99	9.41	-1.58	8.76	-1.96	8.85	-.04	8.31	-.10
23	9.06	-1.20	9.86	-.93	9.42	-1.79	8.63	-1.91	8.44	.05	8.63	.14
24	9.61	-.98	10.05	-1.41	9.39	-1.34	8.47	-1.60	8.27	.06	8.73	1.48
25	9.70	-1.85	9.99	-1.48	9.35	-.73	8.28	-1.25	8.29	-.10	8.37	1.29
26	9.77	-1.96	9.78	-1.75	9.18	-.50	8.24	-1.19	8.10	.75	7.98	1.29
27	9.77	-2.10	9.41	-1.53	8.45	-.28	8.16	-.39	7.08	-.35	7.82	1.23
28	10.33	-.78	9.28	-1.17	8.27	-.25	7.92	-.09	6.77	-.21	7.58	1.19
29	9.55	-.47	9.02	-.58	8.24	.08	7.56	-.19	7.19	.46	7.77	1.34
30	9.40	.10	8.85	-.19	8.00	.57	7.22	.09	7.49	.92	8.07	1.38
31	---	---	8.65	.45	---	---	7.20	-.18	7.65	1.11	---	---
MONTH	10.33	-2.10	10.05	-1.75	9.42	-1.79	9.23	-1.96	9.46	-1.26	9.37	-1.97

SAVANNAH RIVER BASIN

02198979 LITTLE BACK RIVER NEAR LIMEHOUSE, S.C.

LOCATION.--Lat 32°11'05", long 81°07'02", Jasper County, S.C., Hydrologic Unit 03060109, at the end of the fishing pier at north control gate of Lucknow Canal on the service road to the northern part of the Savannah National Wildlife Refuge accessed from U.S. Highway 17, 1.25 mi north of Refuge Headquarters, and 3.4 mi southwest of Limehouse, S.C.

PERIOD OF RECORD.--June 1987 to current year.

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

EXTREMES FOR PERIOD OF RECORD.-- Maximum gage height recorded, 10.86 ft, Feb. 7, 1993; minimum gage height recorded, -1.79 ft, Apr. 7, 1989, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 10.47 ft, Feb. 27; minimum gage height recorded, -1.22 ft, Sept. 4.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.71	-.03	---	---	8.45	-.63	8.54	-.49	9.65	2.88	10.07	3.29
2	8.70	1.02	---	---	9.08	.30	8.52	-.07	9.54	2.91	10.02	1.87
3	8.69	.97	---	---	9.00	.35	8.55	.07	9.80	3.66	8.61	.80
4	8.51	.74	---	---	8.70	-.16	8.59	.34	9.80	.82	8.72	1.54
5	8.35	.52	8.52	---	8.21	-.74	8.50	.51	8.36	1.17	8.85	1.66
6	8.19	.56	8.87	1.27	8.13	-.53	8.53	.30	9.13	1.63	9.01	2.15
7	8.25	.56	8.70	.97	8.28	-.16	8.72	.88	9.76	2.33	9.15	2.24
8	8.46	.98	8.76	.57	8.46	-.17	9.01	.88	9.75	2.33	9.30	2.15
9	8.62	1.18	8.94	.46	8.72	-.20	8.90	.07	9.89	3.14	9.01	1.90
10	8.58	.76	9.03	.50	9.11	-.35	8.93	-.53	9.67	3.35	8.01	.59
11	8.76	.58	9.08	-.10	9.05	-.88	9.04	.04	9.68	3.12	8.96	.84
12	9.26	.58	9.30	-.35	9.33	-.68	9.16	.44	8.75	2.01	8.94	1.89
13	9.37	.83	9.74	.42	9.61	.11	9.15	.90	8.91	1.96	8.70	2.62
14	9.48	.31	9.58	.24	9.73	.38	9.21	.70	8.87	2.12	8.42	2.18
15	9.52	.32	8.88	-1.03	9.55	.90	9.30	1.93	9.14	3.22	8.72	1.82
16	9.85	.53	8.77	-1.06	9.43	1.21	8.61	-.04	9.10	3.59	8.86	2.49
17	9.82	.82	9.06	-.49	9.11	.76	7.61	.27	9.07	3.26	8.79	2.63
18	9.83	.65	8.93	.12	8.64	.30	8.31	.81	7.95	2.20	8.63	2.21
19	---	---	8.75	.30	8.40	.43	7.99	.95	7.81	2.55	8.47	2.24
20	---	---	8.45	.80	8.02	.53	8.38	2.12	8.02	2.66	8.37	2.40
21	---	---	8.47	1.21	8.02	.79	8.30	2.61	8.12	2.41	7.45	1.24
22	---	---	7.75	1.07	7.97	1.45	8.41	2.31	8.64	2.45	7.90	1.30
23	---	---	7.80	.62	8.01	1.09	8.52	1.90	9.69	3.03	8.58	1.84
24	---	---	7.69	.64	8.34	1.29	8.75	1.54	8.62	1.32	8.94	1.87
25	---	---	8.13	1.12	8.42	.82	8.57	.47	9.40	1.21	9.36	1.66
26	---	---	8.31	.80	8.47	.45	9.16	1.33	10.10	2.37	9.39	2.17
27	---	---	8.22	.02	9.04	.52	10.34	2.57	10.47	3.80	9.60	1.92
28	---	---	8.64	.13	8.95	-.22	9.12	.91	10.13	3.75	9.70	1.76
29	---	---	8.66	-.15	9.55	.89	9.67	1.48	---	---	9.56	1.25
30	---	---	8.86	.15	8.27	-.88	9.66	2.10	---	---	9.51	.95
31	---	---	---	---	8.23	-1.07	9.88	2.98	---	---	9.52	.83
MONTH	---	---	---	---	9.73	-1.07	10.34	-.53	10.47	.82	10.07	.59

SAVANNAH RIVER BASIN

02198979 LITTLE BACK RIVER NEAR LIMEHOUSE, S.C.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.42	.66	9.61	1.80	8.63	.71	7.54	-.10	8.28	.12	8.42	1.17
2	8.85	.68	8.78	1.46	8.32	1.11	7.98	.69	8.83	2.10	8.55	.73
3	8.48	.96	8.72	1.74	8.22	1.13	8.04	.54	8.81	1.60	8.77	.12
4	8.56	.49	8.59	1.87	8.43	.93	8.49	1.03	8.90	.95	8.71	-1.22
5	8.92	1.62	8.52	1.56	8.27	.44	8.48	.53	9.05	.55	9.17	-.65
6	8.63	1.56	8.44	1.36	8.31	.44	8.86	.57	9.25	.28	9.51	-.13
7	8.49	1.23	8.64	1.40	8.82	.44	8.97	.63	9.32	.07	9.28	-.02
8	8.44	1.04	8.25	1.23	8.67	.01	8.94	.04	9.21	-.03	9.00	-.40
9	8.28	.06	8.72	1.23	8.69	-.24	8.89	-.43	9.20	-.19	9.52	.16
10	8.22	-.19	9.00	1.54	8.74	-.71	9.13	-.45	9.05	-.03	9.39	.53
11	9.14	.51	9.43	1.91	8.97	-.26	9.33	.41	9.04	-.15	9.19	.28
12	9.13	1.74	9.33	1.91	8.98	.11	9.43	.68	8.97	-.26	9.01	.35
13	9.07	1.82	9.44	2.34	8.93	-.07	9.47	1.12	8.90	-.08	8.94	.20
14	8.76	1.32	9.60	2.72	8.77	-.07	9.24	.90	9.04	-.01	8.84	.44
15	8.82	1.18	9.61	2.78	8.68	-.30	9.21	.71	9.02	.07	8.90	.53
16	8.82	1.32	9.55	2.02	8.32	-.83	8.78	-.20	9.00	-.02	8.86	.45
17	8.55	1.08	9.04	1.57	8.36	-.95	8.72	-.76	8.83	-.24	8.88	.52
18	8.02	1.10	8.81	1.35	8.72	-.45	8.86	-.77	8.91	-.25	8.95	.43
19	8.38	1.64	8.91	1.42	8.93	-.49	9.01	-.71	9.00	-.35	9.01	.52
20	8.47	1.21	8.88	.86	9.21	-.48	9.14	-.74	9.56	.33	8.94	.80
21	9.13	1.89	9.09	.16	9.39	-.64	9.07	-.89	9.42	.85	8.57	.45
22	9.22	2.13	9.71	.49	9.52	-.71	9.06	-1.08	9.14	.55	8.41	.14
23	9.28	1.75	9.92	1.34	9.52	-.75	8.97	-1.04	8.82	.45	8.55	.22
24	9.76	2.09	10.07	1.12	9.52	-.48	8.80	-.85	8.67	.48	8.64	1.93
25	9.83	1.50	10.02	1.13	9.50	-.01	8.67	-.54	8.67	.63	8.63	1.73
26	9.90	1.58	9.85	.49	9.36	.19	8.64	-.51	8.67	.99	8.34	2.12
27	9.88	1.23	9.55	.26	9.36	.23	8.61	.11	7.78	-.02	8.14	1.93
28	10.31	2.67	9.43	.23	8.81	.24	8.58	.29	7.33	.08	8.08	1.64
29	10.33	2.35	9.46	.75	8.66	.54	8.10	.11	7.80	.67	8.26	1.53
30	9.76	2.13	9.25	.82	8.43	.83	7.86	.33	8.02	1.16	8.39	1.58
31	---	---	8.96	1.23	---	---	7.79	.06	8.15	1.25	---	---
MONTH	10.33	-.19	10.07	.16	9.52	-.95	9.47	-1.08	9.56	-.35	9.52	-1.22

SAVANNAH RIVER BASIN

02198980 SAVANNAH RIVER AT FORT PULASKI, GA.

LOCATION.--Lat 32°02'02", long 80°54'12", Chatham County, Hydrologic Unit 03060109, at downstream side of Coast Guard pier at Coast Guard station on Cockspar Island, 1 mi upstream from the mouth, 0.7 mi west of Fort Pulaski.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3.02 ft below sea level, at low mean water (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 10.18 ft Feb. 7, 1993; minimum gage height recorded, -3.77 ft, Mar. 13, 1993, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.48 ft, Feb. 27; minimum gage height recorded, -2.83 ft, Dec. 31.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.27	-.43	7.09	.03	6.88	-1.12	7.05	-1.90	8.50	.02	8.89	-1.25
2	7.38	.74	6.60	-.58	7.86	-.26	7.02	-1.88	8.30	.50	7.66	-1.63
3	7.38	.72	7.00	-.57	7.69	-.36	6.96	-1.64	8.77	.88	7.20	-1.87
4	7.08	.43	6.68	-.29	7.37	-.85	6.86	-1.14	8.71	-1.02	7.26	-.58
5	6.88	.21	7.25	.07	6.54	-1.25	6.77	-.75	6.59	-.14	7.43	-.31
6	6.68	-.25	7.59	.85	6.55	-1.03	6.96	-.74	7.73	.69	7.62	.73
7	6.77	.30	7.41	.66	6.59	-.56	7.16	-.65	8.60	.36	7.78	.63
8	6.98	.81	7.50	.20	6.86	-.58	7.55	-1.02	8.62	.51	7.89	.39
9	7.14	.97	7.77	.02	7.31	-.94	7.47	-1.88	8.72	.54	7.73	-1.77
10	7.07	.47	7.75	-.76	7.85	-1.57	7.49	-1.85	8.41	.34	6.14	-1.77
11	7.38	.23	7.89	-1.16	7.84	-1.49	7.68	-1.38	8.37	.09	7.46	-1.50
12	8.01	.29	8.35	-1.10	8.24	-1.51	7.83	-1.13	7.17	-.74	7.51	-.99
13	8.23	-.48	8.93	-.74	8.69	-.56	7.78	-.76	7.45	-.67	7.26	-.27
14	8.39	-.69	8.71	-1.30	8.90	-.52	7.86	-.61	7.37	-.19	6.83	-.47
15	8.57	-1.00	7.66	-2.28	8.71	-.50	8.00	.54	7.75	1.21	7.23	-1.11
16	9.14	-.63	7.48	-1.96	8.41	.30	7.32	-1.34	7.73	.86	7.35	.26
17	9.06	-.38	7.84	-1.10	7.89	.09	6.15	-.48	7.59	.86	7.14	.87
18	9.07	-.36	7.62	-.37	7.18	-.57	6.77	.22	6.49	.38	7.06	.65
19	8.73	.15	7.39	-.07	6.95	-.02	6.63	.30	6.17	.90	7.00	.72
20	8.46	.57	6.94	.31	6.20	.11	6.81	1.43	6.49	1.08	6.86	1.16
21	8.11	1.10	6.85	.82	6.13	.42	6.78	1.95	6.51	.78	5.93	.01
22	7.73	1.24	6.05	.70	6.37	.81	7.06	1.60	7.30	1.01	6.10	.14
23	7.57	1.77	6.03	.29	6.22	.62	7.05	.86	8.45	-1.76	6.98	.65
24	7.21	1.68	6.07	.43	6.62	.67	7.29	-.88	7.00	-1.76	7.58	-.36
25	6.93	.76	6.54	.57	6.76	-.03	7.22	-.78	8.13	-1.64	8.07	-.31
26	7.24	.47	6.77	-.25	6.89	-.23	7.90	-.22	9.03	-1.30	8.08	-1.17
27	6.93	-.39	6.65	-.23	7.78	-1.13	9.19	-.32	9.48	-1.32	8.39	-1.76
28	6.93	-.41	7.22	-.23	7.69	-1.13	7.60	-1.40	9.09	-1.38	8.54	-2.04
29	7.40	.72	7.27	-.54	8.46	-.63	8.46	-1.50	---	---	8.37	-2.37
30	7.48	.52	7.60	-.40	6.38	-2.36	8.47	-.96	---	---	8.32	-2.22
31	7.56	.42	---	---	6.63	-2.83	8.79	-.29	---	---	8.07	-1.74
MONTH	9.14	-1.00	8.93	-2.28	8.90	-2.83	9.19	-1.90	9.48	-1.76	8.89	-2.37

SAVANNAH RIVER BASIN

02198980 SAVANNAH RIVER AT FORT PULASKI, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

[illegible]

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN

02178500 LAKE BURTON NEAR CLAYTON, GA.

LOCATION.--Lat 34°47'37", long 83°32'26", Rabun County, Hydrologic Unit 03060102, on Tallulah River, 5.5 mi downstream from bridge on U.S. Highway 76, 10 mi southwest of Clayton, Ga.

DRAINAGE AREA.--115 mi².

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Nonrecording gage. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Lake is formed by concrete gravity dam. Spillway (crest elevation, 1,860.0 ft) is equipped with eight gates 22 ft wide by 6.6 ft high. Dam completed in 1919. Total capacity at elevation 1,866.6 ft, top of gates, is 108,000 acre-ft, of which 106,000 acre-ft is usable storage. Lake is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1865.2	104000	-	-
Oct. 31.....	1864.8	103000	-1000	-16
Nov. 30.....	1858.8	86900	-16100	-271
Dec. 31.....	1856.8	82100	-4800	-78
CAL YR 1997	-	-	-2400	-3
Jan. 31.....	1857.0	82600	+500	+8
Feb. 28.....	1859.3	88200	+5600	+101
Mar. 31.....	1863.8	100000	+11800	+192
Apr. 30.....	1865.5	105000	+5000	+84
May 31.....	1864.9	103000	-2000	-33
June 30.....	1865.1	104000	+1000	+17
July 31.....	1865.0	103000	-1000	-16
Aug. 31.....	1864.6	102000	-1000	-16
Sept. 30.....	1864.5	102000	-1000	0
WTR YR 1998	-	-	-2000	-3

* Elevation at 0700 on day following that shown in first column.

02179500 MATHIS RESERVOIR NEAR LAKEMONT, GA.

LOCATION.--Lat 34°47'03", long 83°24'57", Rabun County, Hydrologic Unit 03060102, on Tallulah River, 1 mi upstream from bridge on U.S. Highway 23, 1.8 mi south of Lakemont, Ga.

DRAINAGE AREA.--151 mi².

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Nonrecording gage. Datum of gage is at sea level (levels by Georgia Power Company.)

REMARKS.--Reservoir is formed by concrete slab and buttress dam. Spillway (crest elevation, 1,682.75 ft) is equipped with 16 gates 15.8 ft wide by 6.85 ft high. Dam completed in 1915. Total capacity at elevation 1,689.6 ft, top of gates, is 31,200 acre-ft, of which 23,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1688.1	30000	-	-
Oct. 31.....	1688.2	30100	+100	+2
Nov. 30.....	1687.8	29800	-300	-5
Dec. 31.....	1687.6	29600	-200	-3
CAL YR 1997	-	-	+8100	+11
Jan. 31.....	1687.8	29800	+200	+3
Feb. 28.....	1686.8	29100	-700	-13
Mar. 31.....	1687.7	29700	+600	+10
Apr. 30.....	1687.6	29600	-100	-2
May 31.....	1687.8	29800	+200	+3
June 30.....	1687.7	29700	-100	-2
July 31.....	1687.7	29700	0	0
Aug. 31.....	1687.2	29300	-400	-7
Sept. 30.....	1687.3	29400	+100	+2
WTR YR 1998	-	-	-600	-1

*Elevation at 0700 on day following that shown in first column.

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02187250 HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County, Ga.-Anderson County, S.C., Hydrologic Unit 03060103, in right spillway elevator tower of dam on Savannah River, 1.9 mi upstream from Big Generostee Creek, 6.4 mi east of Hartwell, Ga., and at mile 305.0.

DRAINAGE AREA.--2,088 mi².

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Data collection platform. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by concrete dam with earth embankments at each end; storage began in February 1961, dam complete 1961. Usable capacity, 1,708,600 acre-ft between elevations 625.0 ft, normal limit of drawdown, and 665.0 ft, top of gates. Dead storage below 625.0 ft, 1,134,100 acre-ft. Elevation of spillway crest, 630.0 ft. Water is used for flood control, generation of power, and navigation. Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,871,000 acre-ft, Apr. 8, 1964, elevation, 665.47 ft; minimum, after first filling, 1,182,000 acre-ft, Oct. 16, 1961, elevation, 626.70 ft

EXTREMES FOR CURRENT YEAR.--Maximum contents, 2,783,100 acre-ft, Mar. 20, elevation, 664.02 ft; minimum, 2,286,000 acre-ft, Oct. 24, elevation 655.07 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	656.06	2336900	-	-
Oct. 31.....	657.81	2429500	+92600	+1506
Nov. 30.....	657.61	2418900	-10600	-178
Dec. 31.....	657.35	2405000	-13900	-226
CAL YR 1997	-	-	+21300	+29
Jan. 31.....	659.85	2541300	+136300	+2217
Feb. 28.....	660.81	2595400	+54100	+974
Mar. 31.....	662.13	2671200	+75800	+1233
Apr. 30.....	661.89	2657300	-13900	-234
May 31.....	662.97	2720400	+63100	+1026
June 30.....	660.46	2575600	-144800	-2433
July 31.....	658.61	2472900	-102700	-1670
Aug. 31.....	657.26	2400200	-72700	-1182
Sept. 30.....	655.23	2294200	-106000	-1781
WTR YR 1998	-	-	-42700	-59

02189004 RICHARD B. RUSSELL RESERVOIR NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°01'30", long 82°35'42", Elbert County, Ga.-Abbeville County, S.C., Hydrologic Unit 03060103, in left spillway elevator tower of dam on Savannah River, 1.2 mi downstream from Beer Manor Creek, 4.6 mi south of Calhoun Falls, S.C., at river mile 275.1.

DRAINAGE AREA.--2,900 mi² (furnished by U.S. Army Corps of Engineers).

PERIOD OF RECORD.--May 1984 to current year.

GAGE.--Data collection platform. Datum of gage is at sea level.

REMARKS.--Lake is formed by concrete dam; storage began on October 5, 1983, dam completed in December 1983. Useable capacity, 126,800 acre-ft between elevations 470.0 ft, normal limit of drawdown, and 475.0 ft, top of spillway gates. Dead storage below 470.0 ft, 899,400 acre-ft. Elevation of spillway crest, 436.0 ft. Water is used for flood control, generation of power, and recreation. Capacity information furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,149,500 acre-ft, Aug. 22, 1994, elevation, 479.43 ft; minimum, 799,000 acre-ft, May 7, 1984, elevation, 465.65 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,132,500 acre-ft, Feb. 12, elevation, 478.84 ft; minimum, 924,000 acre-ft, Sep. 25, elevation, 471.01 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	473.91	997500	-	-
Oct. 31.....	474.36	1009300	+11800	+192
Nov. 30.....	475.33	1035100	+25800	+434
Dec. 31.....	476.66	1071200	+36100	+587
CAL YR 1997	-	-	+104100	+144
Jan. 31.....	475.70	1045000	-26200	-426
Feb. 28.....	476.78	1074500	+29500	+531
Mar. 31.....	476.85	1076500	+2000	+33
Apr. 30.....	477.80	1102900	+26400	+444
May 31.....	475.91	1050700	-52200	-849
June 30.....	475.15	1030200	-20500	-345
July 31.....	474.03	1000600	-29600	-481
Aug. 31.....	472.07	950400	-50200	-816
Sept. 30.....	471.14	927200	-23200	-390

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02189004 RICHARD B. RUSSELL RESERVOIR NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°01'30", long 82°35'42", Elbert County, Ga.-Abbeville County, S.C., Hydrologic Unit 03060103, in left spillway elevator tower of dam on Savannah River, 1.2 mi downstream from Beer Manor Creek, 4.6 mi south of Calhoun Falls, S.C., at river mile 275.1.

DRAINAGE AREA.--2,900 mi² (furnished by U.S. Army Corps of Engineers).

PERIOD OF RECORD.--May 1984 to current year.

GAGE.--Data collection platform. Datum of gage is at sea level.

REMARKS.--Lake is formed by concrete dam; storage began on October 5, 1983, dam completed in December 1983. Useable capacity, 126,800 acre-ft between elevations 470.0 ft, normal limit of drawdown, and 475.0 ft, top of spillway gates. Dead storage below 470.0 ft, 899,400 acre-ft. Elevation of spillway crest, 436.0 ft. Water is used for flood control, generation of power, and recreation.

Capacity information furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,149,500 acre-ft, Aug. 22, 1994, elevation, 479.43 ft; minimum, 799,000 acre-ft, May 7, 1984, elevation, 465.65 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,132,500 acre-ft, Feb. 12, elevation, 478.84 ft; minimum, 924,000 acre-ft, Sep. 25, elevation, 471.01 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	473.91	997500	-	-
Oct. 31.....	474.36	1009300	+11800	+192
Nov. 30.....	475.33	1035100	+25800	+434
Dec. 31.....	476.66	1071200	+36100	+587
CAL YR 1997	-	-	+104100	+144
Jan. 31.....	475.70	1045000	-26200	-426
Feb. 28.....	476.78	1074500	+29500	+531
Mar. 31.....	476.85	1076500	+2000	+33
Apr. 30.....	477.80	1102900	+26400	+444
May 31.....	475.91	1050700	-52200	-849
June 30.....	475.15	1030200	-20500	-345
July 31.....	474.03	1000600	-29600	-481
Aug. 31.....	472.07	950400	-50200	-816
Sept. 30.....	471.14	927200	-23200	-390
WTR YR 1998	-	-	-70300	-97

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02194500 THURMOND LAKE NEAR CLARKS HILL, S.C.

LOCATION.--Lat 33°39'40", long 82°12'00", Columbia County, Ga.-McCormick County, S.C., Hydrologic Unit 03060103, in left spillway elevator tower of dam on Savannah River, 1.6 mi west of Clarks Hill, S.C., 3.7 mi upstream from Kiokke Creek, and at mile 237.7.

DRAINAGE AREA.--6,150 mi², approximately.

PERIOD OF RECORD.--October 1951 to current year. Prior to October 1987, published as "Clarks Hill Lake".

REVISED RECORDS.--WSP 1703: 1953.

GAGE.--Data collection platform. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by concrete dam with earth at each end; storage began in December 1951, dam completed in 1952. Use capacity, 1,730,000 acre-ft between elevations 305.0 ft, normal limit of drawdown, and 335.0 ft, top of spillway gates. Dead storage below 305.0 ft, 1,170,000 acre-ft. Elevation of spillway crest, 300.0 ft. Water is used for flood control, generation of power, and navigation. Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,037,600 acre-ft, Apr. 9, 1964, elevation, 336.72 ft; minimum, 897,900 acre-ft, Feb. 1, 1956, elevation, 296.48 ft.

EXTREMES FOR CURRENT YEAR.--Maximum recorded contents, 2,944,800 acre-ft, Feb. 6, elevation, 335.56 ft; minimum, 2,151,600 acre-ft, Oct. 26, elevation, 324.86 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	326.45	2261500	-	-
Oct. 31.....	326.41	2258700	-2800	-46
Nov. 30.....	327.87	2360900	+102200	+1718
Dec. 31.....	329.83	2498100	+137200	+2231
CAL YR 1997	-	-	+55300	+76
Jan. 31.....	330.89	2579400	+81300	+1322
Feb. 28.....	330.84	2575500	-3900	-70
Mar. 31.....	328.74	2421800	-153700	-2500
Apr. 30.....	331.56	2631700	+209900	+3527
May 31.....	328.65	2415500	-216200	-3516
June 30.....	331.14	2598900	+183400	+3082
July 31.....	330.25	2529500	-69400	-1129
Aug. 31.....	329.54	2477800	-51700	-841
Sept. 30.....	329.22	2455400	-22400	-376
WTR YR 1998	-	-	+193900	+268

OGEECHEE RIVER BASIN

02199660 NORTH FORK OGEECHEE RIVER NEAR CRAWFORDVILLE, GA.

LOCATION.--Lat 33°31'15", long 82°55'38", Taliaferro County, Hydrologic Unit 03060201, at bridge on State Highway 22, 0.1 mi above confluence with South Fork Ogeechee River, 0.8 mi downstream from Beaverdam Creek and 2.4 mi southwest of Crawfordville.

DRAINAGE AREA.--30.2 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0500	81341	2.2	217	214	7.3	7.4	19.0	18.0	7.1	78
NOV 04...	0630	81341	15	123	117	7.0	7.1	10.0	2.0	10.1	91
DEC 02...	0630	81341	21	117	116	7.1	7.1	9.0	2.0	9.8	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	2.0	<1.0	36	50	3	<.020	<.030	.080	4.0
NOV 04...	81341	19	1.0	20	24	12	.100	.060	.140	6.0
DEC 02...	81341	16	<1.0	20	29	15	.110	<.030	.110	5.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	0500	81341	2.2	217	7.3	19.0	18.0	7.1	78	790
NOV 04...	0630	81341	15	123	7.0	10.0	2.0	10.1	91	3300
18...	0630	81213	14	125	7.1	4.0	-3.0	12.2	94	20
23...	0730	81213	18	177	7.1	10.0	5.0	9.7	87	700
DEC 02...	0630	81341	21	117	7.1	9.0	2.0	9.8	86	790

OGEECHEE RIVER BASIN

02199660 NORTH FORK OGEECHEE RIVER NEAR CRAWFORDVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 11...	0905	81213	3.3	190	6.2	22.5	26.0	6.6	78

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 11...	81213	8.1	2.7	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	2.6

OGEECHEE RIVER BASIN

02199750 OGEECHEE RIVER NEAR POWELTON, GA.

LOCATION.--Lat 33°26'13", long 82°50'50", Hancock-Warren County line, Hydrologic Unit 03060201, at downstream side of bridge on County Road 28, 0.3 mi upstream from Battle Branch, 0.6 mi downstream from Powell Creek, 2.0 mi northeast of Powelton, and at mile 235.4.

DRAINAGE AREA.--123 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0530	81341	22	131	128	7.4	7.3	19.5	18.0	7.5	83
NOV 04...	0700	81341	86	92	88	7.1	7.2	10.0	2.0	10.1	91
DEC 02...	0700	81341	210	117	116	7.1	7.1	9.0	2.0	9.9	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	8.0	<1.0	30	45	12	<.020	<.030	.050	3.0
NOV 04...	81341	22	1.2	20	24	15	.080	<.030	.100	6.0
DEC 02...	81341	15	1.1	22	30	13	.110	<.030	.110	5.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	0700	81213	23	153	7.2	18.0	13.0	7.4	79	330
14...	0530	81341	22	131	7.4	19.5	18.0	7.5	83	230
NOV 04...	0700	81341	86	92	7.1	10.0	2.0	10.1	91	1300
18...	0700	81213	155	87	7.1	4.0	-3.0	12.4	95	490
23...	0800	81213	175	95	7.1	10.0	5.0	9.8	88	<20
DEC 02...	0700	81341	210	117	7.1	9.0	2.0	9.9	87	2300

OGEECHEE RIVER BASIN

02199750 OGEECHEE RIVER NEAR POWELTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 11...	0955	81213	20	113	7.5	23.7	34.0	5.6	67

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 11...	81213	7.1	2.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.2

OGEECHEE RIVER BASIN

02200020 OGEECHEE RIVER NEAR JEWELL, GA.

LOCATION.--Lat 33°15'12", long 82°45'22", Hancock County, Hydrologic Unit 03060201, at bridge on County Road 216, 3 mi southeast of Jewell, and 3.1 mi downstream from Dry Creek.

DRAINAGE AREA.--267 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0640	81341	9.2	83	80	7.3	7.3	20.0	19.0	8.1	90
NOV 04...	0800	81341	60	82	80	7.1	7.1	10.5	4.0	10.0	91
DEC 02...	0800	81341	117	66	66	7.1	6.9	10.0	4.0	10.3	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	3.0	<1.0	20	28	2	.020	<.030	.020	4.0
NOV 04...	81341	27	1.0	12	17	12	.090	<.030	.100	7.0
DEC 02...	81341	17	<1.0	14	18	13	.030	<.030	.050	5.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	0640	81341	9.2	83	7.3	20.0	19.0	8.1	90	80
NOV 04...	0800	81341	60	82	7.1	10.5	4.0	10.0	91	2300
18...	0800	81213	78	56	6.9	5.0	-1.0	12.4	97	90
23...	0900	81213	112	64	7.0	11.0	10.0	10.0	92	50
DEC 02...	0800	81341	117	66	7.1	10.0	4.0	10.3	92	460

OGEECHEE RIVER BASIN

02200020 OGEECHEE RIVER NEAR JEWELL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 10...	1720	81213	42	88	7.4	26.8	32.0	6.8	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 10...	81213	5.6	2.4	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 10...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.1

OGEECHEE RIVER BASIN

02200085 LITTLE OGEECHEE RIVER NEAR CULVERTON, GA.

LOCATION.--Lat 33°15'26", long 82°51'28", Hancock County, Hydrologic Unit 03060201, at downstream side of bridge on County Road 216, 1.8 mi upstream from Turkey Creek, 3.2 mi downstream from Two Mile Creek, 4.0 mi southeast of Culverton, and 11.7 mi above mouth.

DRAINAGE AREA.--25.5 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0600	81341	2.9	60	60	7.1	7.0	20.0	19.0	8.6	96
NOV 04...	0730	81341	15	50	49	6.9	6.7	11.0	4.0	10.6	97
DEC 02...	0730	81341	38	50	49	6.9	6.5	10.0	2.0	10.8	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	3.0	<1.0	12	16	1	<.020	<.030	<.020	5.0
NOV 04...	81341	7.0	<1.0	10	14	4	.050	<.030	.020	6.0
DEC 02...	81341	9.0	<1.0	10	9	7	.830	.100	.020	6.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	0600	81341	2.9	60	7.1	20.0	19.0	8.6	96	460
NOV 04...	0730	81341	15	50	6.9	11.0	4.0	10.6	97	1700
18...	0730	81213	26	41	6.9	5.0	1.0	12.4	98	110
23...	0830	81213	35	47	6.9	12.0	7.0	10.4	98	<20
DEC 02...	0730	81341	38	50	6.9	10.0	2.0	10.8	97	170

OGEECHEE RIVER BASIN

02200085 LITTLE OGEECHEE RIVER NEAR CULVERTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 10...	1625	81213	14	50	7.6	24.9	35.0	4.4	54

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 10...	81213	3.3	1.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 10...	81213	<1.0	<2.0	<.1	2.0	<2.0	6.9

OGEECHEE RIVER BASIN

02200120 OGEECHEE RIVER NEAR GRANGE, GA.

LOCATION.--Lat 33°02'40", long 82°36'14", Jefferson-Washington County line, Hydrologic Unit 03060201, at downstream side of bridge on State Highway 88, 1.4 mi downstream from May Branch and 3.0 mi southwest of Grange.

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0500	81341	75	73	71	7.0	7.2	20.0	17.0	8.4	93
NOV 05...	0600	81341	630	55	51	6.8	6.5	11.0	6.0	10.7	97
DEC 03...	0600	81341	1220	46	44	6.3	6.4	12.0	10.0	10.5	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	4.0	<1.0	20	25	<1	.040	<.030	.030	6.0
NOV 05...	81341	12	1.4	14	10	11	<.020	<.030	.050	8.0
DEC 03...	81341	10	1.4	10	11	3	<.020	<.030	.040	8.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0500	81341	75	73	7.0	20.0	17.0	8.4	93	280
NOV 05...	0600	81341	630	55	6.8	11.0	6.0	10.7	97	330
19...	0600	81213	860	43	6.7	8.0	5.0	11.2	95	50
24...	0600	81213	630	52	6.4	11.0	3.0	10.7	97	140
DEC 03...	0600	81341	1220	46	6.3	12.0	10.0	10.5	98	330

OGEECHEE RIVER BASIN

02200120 OGEECHEE RIVER NEAR GRANGE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 12...	1140	81213	68	62	7.3	24.9	40.0	5.8	71

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 12...	81213	4.7	1.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 12...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.4

OGEECHEE RIVER BASIN

02200395 ROCKY COMFORT CREEK NEAR EDGEHILL, GA.

LOCATION.--Lat 33°09'36", long 82°34'57", Glascock-Jefferson County line, Hydrologic Unit 03060201, at downstream side of bridge on Fred Williams Road, 1.1 mi downstream from Joes Creek and 2.5 mi east of Edgehill.

DRAINAGE AREA.--180 mi², approximately.

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0710	81341	E2.3	47	45	6.7	6.5	20.5	19.0	8.5	95
NOV 04...	0830	81341	140	43	41	6.5	6.2	11.0	6.0	10.7	98
DEC 02...	0830	81341	390	40	40	6.6	6.2	10.0	4.0	10.9	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	4.0	<1.0	12	10	9	.040	<.030	.040	8.0
NOV 04...	81341	6.0	1.2	10	6	5	.050	<.030	.060	9.0
DEC 02...	81341	9.0	1.2	6	7	5	<.020	<.030	.040	10

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	0710	81341	E2.3	47	6.7	20.5	19.0	8.5	95	790
NOV 04...	0830	81341	140	43	6.5	11.0	6.0	10.7	98	330
18...	0830	81213	235	42	6.6	5.0	1.0	12.5	98	490
23...	0930	81213	285	39	6.4	13.0	11.0	10.1	97	330
DEC 02...	0830	81341	390	40	6.6	10.0	4.0	10.9	97	330

OGEECHEE RIVER BASIN

02200395 ROCKY COMFORT CREEK NEAR EDGEHILL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 11...	1220	81213	18	47	7.8	23.8	38.0	5.8	69

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 11...	81213	2.8	1.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	9.2

OGEECHEE RIVER BASIN

02200439 ROCKY COMFORT CREEK AT LOUISVILLE, GA.

LOCATION.--Lat 33°00'16", long 82°25'17", Jefferson County, Hydrologic Unit 03060201, at downstream side of bridge on county road 255, 0.6 mi west of Louisville, 1.5 mi above mouth, and 2 mi downstream from Berrien Branch.

DRAINAGE AREA.--285 mi².

PERIOD OF RECORD.--January 1997 to November 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0740	81341	153	50	49	6.9	6.8	21.0	19.0	8.7	98
NOV 05...	0845	81341	575	40	39	6.5	6.2	11.0	7.0	10.6	96
DEC 03...	0900	81341	1000	38	39	6.5	6.2	12.0	12.0	10.6	99

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	4.0	<1.0	14	13	2	.170	<.030	.030	6.0
NOV 05...	81341	4.0	1.2	10	6	3	.070	<.030	.020	9.0
DEC 03...	81341	7.0	<1.0	8	6	6	.020	<.030	.040	10

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0740	81341	153	50	6.9	21.0	19.0	8.7	98	20
NOV 05...	0845	81341	575	40	6.5	11.0	7.0	10.6	96	330
19...	0850	81213	775	37	6.6	8.0	7.0	11.6	98	80
24...	0900	81213	645	41	6.5	10.0	6.0	10.8	96	70
DEC 03...	0900	81341	1000	38	6.5	12.0	12.0	10.6	99	460

OGEECHEE RIVER BASIN

02200439 ROCKY COMFORT CREEK AT LOUISVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 17...	1450	81213	355	43	7.4	16.8	30.0	7.2	75

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
NOV 17...	81213	3.9	1.4	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
NOV 17...	81213	<1.0	<2.0	<.1	<1.0	<2.0	11

OGEECHEE RIVER BASIN

02200900 BIG CREEK NEAR LOUISVILLE, GA.

LOCATION.--Lat 32°59'00", long 82°21'23", Jefferson County, Hydrologic Unit 03060201, at downstream side of bridge on State Highway 17, 2 mi downstream of Blackjack Branch, 2.0 mi above mouth and 3.3 mi southeast of Louisville.

DRAINAGE AREA.--95.8 mi².

PERIOD OF RECORD.--January 1997 to August 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0710	81341	6.6	60	59	7.2	7.1	20.0	19.0	8.8	97
NOV 05...	0815	81341	85	53	49	6.8	6.7	10.0	6.0	10.9	96
DEC 03...	0830	81341	127	47	47	6.6	6.5	12.0	12.0	10.4	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	5.0	<1.0	22	21	4	.160	<.030	.030	4.0
NOV 05...	81341	3.0	1.0	20	12	4	.110	<.030	.030	6.0
DEC 03...	81341	4.0	<1.0	14	14	5	.050	<.030	.030	7.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0710	81341	6.6	60	7.2	20.0	19.0	8.8	97	80
NOV 05...	0815	81341	85	53	6.8	10.0	6.0	10.9	96	70
19...	0820	81213	66	51	6.7	7.0	7.0	11.6	96	40
24...	0830	81213	115	47	6.6	10.0	5.0	11.0	97	20
DEC 03...	0830	81341	127	47	6.6	12.0	12.0	10.4	97	50

OGEECHEE RIVER BASIN

02200900 BIG CREEK NEAR LOUISVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 26...	1420	81213	210	41	7.4	13.5	22.0	9.4	91
AUG 11...	1420	81213	47	49	6.8	24.6	38.0	6.9	84

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 26...	81213	3.8	.90	<1.0	<2.0	<.5	<1.0	<1.0
AUG 11...	81213	5.8	1.0	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 26...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.4
AUG 11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	6.9

OGEECHEE RIVER BASIN

02200950 OGEECHEE RIVER NEAR WADLEY, GA.

LOCATION.--Lat 32°52'11", long 82°19'11", Jefferson County, Hydrologic Unit 03060201, at downstream side of bridge on State Highway 78, 1.8 mi upstream from Williamson Swamp Creek, and 4.5 mi east of Wadley.

DRAINAGE AREA.--990 mi², approximately.

PERIOD OF RECORD.--July 1991 to February 1994, January 1997 to February 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0615	81341	220	73	71	7.1	7.0	20.5	17.0	8.6	96
NOV 05...	0730	81341	1420	49	49	6.6	6.4	11.0	6.0	10.9	99
DEC 03...	0730	81341	1330	52	53	6.6	6.5	12.0	11.0	10.4	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	30	4.0	<1.0	20	.130	<.030	.040	6.0
NOV 05...	81341	60	7.0	1.0	9	.040	.070	.040	9.0
DEC 03...	81341	70	4.0	1.1	13	.050	<.030	.030	8.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0615	81341	220	73	7.1	20.5	17.0	8.6	96	130
NOV 05...	0730	81341	1420	49	6.6	11.0	6.0	10.9	99	110
19...	0730	81213	2450	41	6.4	8.0	6.0	11.6	98	260
24...	0730	81213	1580	50	6.6	10.0	5.0	11.0	97	40
DEC 03...	0730	81341	1330	52	6.6	12.0	11.0	10.4	97	70

OGEECHEE RIVER BASIN

02200950 OGEECHEE RIVER NEAR WADLEY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 26...	1215	81213	2850	39	7.3	12.6	22.0	9.1	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 26...	81213	3.1	1.0	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 26...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.2

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.

LOCATION.--Lat 32°58'32", long 82°36'36", Washington County, Hydrologic Unit 03060201, on downstream side of bridge on State Highway 231 at Davisboro, 1.2 mi downstream from Central of Georgia Railroad bridge, and 1.9 mi downstream from Sun Hill Creek.

DRAINAGE AREA.--109 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July to December 1903, water years 1979-80 (annual maximum), May 1980 to current year. Monthly discharges only for July to December 1903, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 263 ft above sea level (from information obtained from Georgia Department of Transportation).

August 16, 1978 to May 8, 1980, crest-stage gage at same site and datum.

REMARKS.--Records good. Periods of monthly discharges only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 25	1200	1,730	9.06	Mar. 9	1000	*5,430	*12.38
Jan. 16	2130	1,060	8.10	Apr. 4	1630	951	7.91
Jan. 23	1900	1,260	8.41	Apr. 9	2000	661	7.29
Jan. 28	1200	706	7.40	Sept. 4	0900	2,230	9.66
Feb. 4	1930	5,230	12.24				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	99	299	195	206	277	181	463	261	35	32	30
2	46	287	197	178	193	221	207	371	129	34	31	90
3	40	217	147	173	502	191	265	263	98	36	29	403
4	37	113	130	167	3840	176	818	539	85	37	29	1820
5	36	87	123	165	2790	196	513	424	102	48	29	719
6	34	79	111	165	933	443	289	230	127	51	28	241
7	33	79	101	164	487	630	221	193	105	41	28	136
8	33	81	99	298	372	1330	234	231	87	38	43	101
9	32	76	228	327	314	4300	566	231	80	37	64	82
10	31	72	333	247	274	1470	502	176	89	36	126	67
11	30	69	355	190	252	650	299	155	90	35	88	61
12	30	75	287	165	244	409	226	139	79	36	56	59
13	30	246	289	155	218	334	194	126	72	41	54	56
14	30	376	262	174	214	296	233	116	64	39	68	54
15	31	241	342	315	203	271	562	111	59	36	89	52
16	36	161	265	859	202	252	411	109	56	38	75	51
17	41	125	196	781	379	234	284	105	57	39	78	50
18	55	107	168	395	437	232	360	103	55	41	66	56
19	77	99	148	358	276	357	427	102	54	41	54	73
20	63	96	137	465	228	349	290	96	57	42	54	75
21	49	93	131	315	202	262	234	90	57	38	57	78
22	45	204	286	278	210	224	212	86	53	38	46	194
23	47	269	730	949	440	206	196	83	48	34	41	138
24	54	171	673	797	430	196	207	82	45	35	39	88
25	94	130	1560	394	285	197	196	79	43	36	37	74
26	138	113	828	281	228	189	167	76	41	35	35	63
27	326	107	469	370	255	179	150	72	41	33	33	58
28	188	101	500	646	302	173	140	68	41	34	31	58
29	96	101	344	396	---	169	137	76	39	35	30	73
30	76	222	276	282	---	165	176	180	37	35	30	408
31	70	---	226	232	---	161	---	544	---	33	29	---
TOTAL	1985	4296	10240	10876	14916	14739	8897	5719	2251	1167	1529	5508
MEAN	64.0	143	330	351	533	475	297	184	75.0	37.6	49.3	184
MAX	326	376	1560	949	3840	4300	818	544	261	51	126	1820
MIN	30	69	99	155	193	161	137	68	37	33	28	30
CFSM	.59	1.31	3.03	3.22	4.89	4.36	2.72	1.69	.69	.35	.45	1.68
IN.	.68	1.47	3.49	3.71	5.09	5.03	3.04	1.95	.77	.40	.52	1.88

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	72.0	89.7	120	180	204	204	135	73.5	54.4	51.9	61.2	57.2
MAX	195	229	330	386	533	475	297	184	109	187	215	184
(WY)	1995	1993	1998	1987	1998	1998	1998	1998	1995	1994	1992	1998
MIN	22.8	34.9	43.3	54.7	68.4	67.8	50.0	29.5	20.3	15.4	23.1	16.8
(WY)	1988	1982	1989	1981	1988	1985	1985	1988	1988	1986	1988	1981

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1980 - 1998			
ANNUAL TOTAL	40297				82123							
ANNUAL MEAN	110				225				109			
HIGHEST ANNUAL MEAN									225			
LOWEST ANNUAL MEAN									49.3			
HIGHEST DAILY MEAN	1560				4300				4300			
LOWEST DAILY MEAN	17				28				10			
ANNUAL SEVEN-DAY MINIMUM	17				29				12			
INSTANTANEOUS PEAK FLOW					5430				5430			
INSTANTANEOUS PEAK STAGE					12.38				12.38			
INSTANTANEOUS LOW FLOW					27				9.5			
ANNUAL RUNOFF (CFSM)	1.01				2.06				1.00			
ANNUAL RUNOFF (INCHES)	13.75				28.03				13.53			
10 PERCENT EXCEEDS	243				428				223			
50 PERCENT EXCEEDS	69				130				64			
90 PERCENT EXCEEDS	22				36				24			

a September 9,10,17-21, 1997

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1990 to January 1994 , January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0530	81341	31	63	63	7.2	7.1	20.0	17.0	8.7	96
NOV 05...	0630	81341	91	55	54	6.8	6.8	10.5	6.0	10.7	96
DEC 03...	0630	81341	153	51	50	6.6	6.6	12.0	10.0	10.5	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	30	3.0	<1.0	21	.120	<.030	<.020	4.0
NOV 05...	81341	40	5.0	1.2	14	.120	<.030	.030	7.0
DEC 03...	81341	80	5.0	1.1	15	.070	<.030	.020	7.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0530	81341	31	63	7.2	20.0	17.0	8.7	96	230
NOV 05...	0630	81341	91	55	6.8	10.5	6.0	10.7	96	110
19...	0630	81213	100	52	6.7	8.0	5.0	11.4	96	20
24...	0630	81213	186	52	6.6	10.0	3.0	10.8	96	80
DEC 03...	0630	81341	153	51	6.6	12.0	10.0	10.5	98	80

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	1250	81213	98	52	7.3	25.4	37.0	6.3	78

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 03...	81213	6.3	.89	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 03...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.2

OGEECHEE RIVER BASIN

02201151 WILLIAMSON SWAMP CREEK AT WADLEY, GA.

LOCATION.--Lat 32°51'02", long 82°36'36", Jefferson County, Hydrologic Unit 03060201, at downstream side of bridge on U.S. Highway 1 (east), 1.3 mi southeast of Wadley, 1.5 mi upstream from Boggy Gut Creek, and 5.2 mi above mouth.

DRAINAGE AREA.--235 mi², approximately.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0550	81341	6.51	76	74	7.2	7.2	20.0	17.0	8.4	93
NOV 05...	0700	81341	10.83	56	55	6.8	6.5	10.0	6.0	10.9	96
DEC 03...	0700	81341	11.16	57	58	6.7	6.6	12.0	10.0	10.4	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	5.0	<1.0	28	24	2	.080	<.030	.030	5.0
NOV 05...	81341	7.0	1.3	20	12	7	.050	<.030	.040	9.0
DEC 03...	81341	5.0	<1.0	20	15	5	.020	<.030	.030	8.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0550	81341	6.51	76	7.2	20.0	17.0	8.4	93	2300
NOV 05...	0700	81341	10.83	56	6.8	10.0	6.0	10.9	96	4900
19...	0700	81213	10.11	56	6.8	7.0	6.0	11.7	97	<20
24...	0700	81213	10.21	60	6.7	10.5	4.0	10.6	95	130
DEC 03...	0700	81341	11.16	57	6.7	12.0	10.0	10.4	97	330

OGEECHEE RIVER BASIN

02201151 WILLIAMSON SWAMP CREEK AT WADLEY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	1355	81213	11.16	62	7.1	25.3	40.0	6.1	75

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 03...	81213	7.1	1.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 03...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.6

OGEECHEE RIVER BASIN

02201230 OGEECHEE RIVER AT MIDVILLE, GA.

LOCATION.--Lat 32°48'56", long 82°14'09", Burke-Emanuel County line, Hydrologic Unit 03060201, at bridge on State Highway 56, 0.3 mi south of Midville, 0.9 mi downstream from Daniels Mill Creek, and 3 mi upstream from Mill Creek.

DRAINAGE AREA.--1300 mi².

PERIOD OF RECORD.--January 1997 to February 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0640	81341	270	74	72	7.1	7.0	21.0	17.0	8.4	95
NOV 05...	0800	81341	1950	52	51	6.6	6.5	11.0	6.0	10.7	97
DEC 03...	0800	81341	1960	55	56	6.6	6.5	12.0	11.0	10.2	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	5.0	<1.0	20	21	2	.140	<.030	.040	5.0
NOV 05...	81341	7.0	1.2	16	10	4	.030	<.030	.040	10
DEC 03...	81341	4.0	1.1	16	14	3	.030	<.030	.030	9.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0640	81341	270	74	7.1	21.0	17.0	8.4	95	20
NOV 05...	0800	81341	1950	52	6.6	11.0	6.0	10.7	97	220
19...	0800	81213	2750	46	6.4	8.0	6.0	11.6	98	230
24...	0800	81213	800	53	6.5	10.0	5.0	10.9	97	20
DEC 03...	0800	81341	1960	55	6.6	12.0	11.0	10.2	95	220

OGEECHEE RIVER BASIN

02201230 OGEECHEE RIVER AT MIDVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 26...	1040	81213	5100	41	6.9	12.3	20.0	8.6	81

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 26...	81213	3.8	1.0	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 26...	81213	<1.0	<2.0	<.1	<1.0	<2.0	7.9

OGEECHEE RIVER BASIN

02201430 BUCKHEAD CREEK AT MILLEN, GA.

LOCATION.--Lat 32°48'09", long 81°57'31", Jenkins County, Hydrologic Unit 03060201, at downstream side of bridge on State Highway 17, 0.6 mi west of Millen, 1 mi above mouth, and 1.2 mi downstream from Little Buckhead Creek.

DRAINAGE AREA.--272 mi².

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	1020	81341	58	207	201	7.7	7.7	21.0	28.5	4.0	45
NOV 12...	1200	81341	160	130	127	7.1	7.2	11.5	16.5	7.8	72
DEC 09...	1150	81341	350	114	109	7.3	7.2	7.5	12.5	8.3	70

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	2.0	<1.0	88	86	<1	.460	<.030	.020	4.0
NOV 12...	81341	2.0	<1.0	52	44	<1	.100	<.030	.020	8.0
DEC 09...	81341	4.0	2.2	48	39	<1	.160	<.030	.020	9.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	1020	81341	58	207	7.7	21.0	28.5	4.0	45	3300
21...	1050	81213	92	156	--	15.5	23.0	6.4	64	700
28...	1045	81213	350	97	6.9	15.0	16.0	5.8	58	790
NOV 12...	1200	81341	160	130	7.1	11.5	16.5	7.8	72	110
DEC 09...	1150	81341	350	114	7.3	7.5	12.5	8.3	70	230

OGEECHEE RIVER BASIN

02201430 BUCKHEAD CREEK AT MILLEN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	1550	81213	115	144	7.5	26.2	40.0	5.0	62

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 03...	81213	23	1.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 03...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.2

OGEECHEE RIVER BASIN

02201500 OGEECHEE RIVER NEAR MILLEN, GA.

LOCATION.--Lat 32°47'20", long 81°57'37", Jenkins County, Hydrologic Unit 03060201, at downstream side of bridge on U.S. Highway 25, 0.1 mi downstream from Buckhead Creek, 1.6 mi southwest of Millen.

DRAINAGE AREA.--1810 mi².

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	1140	81341	780	202	196	7.8	7.8	21.0	27.5	6.2	70
NOV 12...	1235	81341	1970	60	59	6.8	6.7	11.5	16.0	8.0	74
DEC 09...	1225	81341	3780	71	69	7.1	6.9	7.0	13.5	9.4	78

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	3.0	1.1	86	80	2	.500	<.030	.040	4.0
NOV 12...	81341	5.0	<1.0	16	13	1	<.020	.040	.030	14
DEC 09...	81341	6.0	1.6	30	20	2	.050	<.030	.020	9.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	1140	81341	780	202	7.8	21.0	27.5	6.2	70	280
21...	1150	81213	1060	83	--	17.0	26.5	6.9	72	220
28...	1140	81213	1850	67	6.7	14.5	20.5	6.4	63	490
NOV 12...	1235	81341	1970	60	6.8	11.5	16.0	8.0	74	230
DEC 09...	1225	81341	3780	71	7.1	7.0	13.5	9.4	78	110

OGEECHEE RIVER BASIN

02201500 OGEECHEE RIVER NEAR MILLEN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	1625	81213	1670	87	7.4	26.7	40.0	5.1	65

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 03...	81213	11	1.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 03...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.7

OGEECHEE RIVER BASIN

02201848 SCULLS CREEK AT COUNTY ROAD 200, NEAR MILLEN, GA.

LOCATION.--Lat 32°43'34", long 81°56'33", Jenkins County, Hydrologic Unit 03060201, at downstream side of bridge on county road 200, 1.6 mi downstream from Richardson Creek, 2.4 mi above mouth and 5.4 mi south of Millen.

DRAINAGE AREA.--80 mi², approximately.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	1320	81341	E.10	113	104	6.5	6.6	20.5	26.5	.3	3
NOV 12...	1305	81341	165	75	72	6.4	6.3	11.5	16.0	5.8	53
DEC 09...	1310	81341	260	64	63	6.5	6.4	7.5	14.5	8.1	68

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	9.0	3.6	38	34	13	<.020	.070	.150	19
NOV 12...	81341	2.0	1.0	20	11	2	<.020	<.030	.030	8.0
DEC 09...	81341	5.0	1.8	20	10	2	.120	<.030	.030	13

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	1320	81341	E.10	113	6.5	20.5	26.5	.3	3	790
21...	1335	81213	32	84	--	15.5	26.5	3.7	37	220
28...	1300	81213	350	67	6.3	14.5	18.5	5.8	57	310
NOV 12...	1305	81341	165	75	6.4	11.5	16.0	5.8	53	230
DEC 09...	1310	81341	260	64	6.5	7.5	14.5	8.1	68	65

OGEECHEE RIVER BASIN

02201848 SCULLS CREEK AT COUNTY ROAD 200, NEAR MILLEN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	1055	81213	<10	94	6.9	24.8	37.0	.98	12

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 03...	81213	9.4	2.9	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 03...	81213	<1.0	<2.0	<.1	<1.0	<2.0	10

OGEECHEE RIVER BASIN

02202080 HORSE CREEK NEAR ROCKY FORD, GA.

LOCATION.--Lat 32°41'05", long 81°50'25", Screven County, Hydrologic Unit 03060202, at downstream side of bridge on State Highway 17, 1.5 mi northwest of Rocky Ford and 2.5 mi above mouth.

DRAINAGE AREA.--74.8 mi².

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0940	81341	<.10	84	79	6.5	6.6	20.5	28.0	1.5	16
NOV 12...	1100	81341	72	53	51	6.3	6.2	11.0	15.0	8.4	76
DEC 09...	1055	81341	225	48	46	6.5	6.3	7.0	13.0	10.1	84

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	4.0	1.3	26	21	3	<.020	<.030	.040	15
NOV 12...	81341	6.0	1.3	12	6	2	.020	<.030	.020	13
DEC 09...	81341	7.0	1.7	8	6	2	.060	<.030	.020	12

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	0940	81341	<.10	84	6.5	20.5	28.0	1.5	16	110
21...	0950	81213	14	74	--	14.5	23.0	5.2	51	790
28...	0955	81213	320	59	6.2	13.5	15.5	7.4	72	2300
NOV 12...	1100	81341	72	53	6.3	11.0	15.0	8.4	76	110
DEC 09...	1055	81341	225	48	6.5	7.0	13.0	10.1	84	20

OGEECHEE RIVER BASIN

02202080 HORSE CREEK NEAR ROCKY FORD, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	0940	81213	E.10	73	6.9	25.0	34.5	1.3	16

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 03...	81213	6.6	2.9	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 03...	81213	<1.0	<2.0	<.1	1.2	<2.0	6.7

OGEECHEE RIVER BASIN

02202128 NEVILLS CREEK NEAR ROCKY FORD, GA.

LOCATION.--Lat 32°36'06", long 81°47'36", Bulloch County, Hydrologic Unit 03060201, at downstream side of bridge on county road 578, 1.2 mi above mouth, 1.5 mi downstream from Bay Gall, and 4.7 mi southeast of Rocky Ford.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0845	81341	11	102	99	6.5	6.5	20.0	24.5	.6	7
NOV 12...	1015	81341	40	71	69	6.2	6.0	11.0	15.0	7.8	71
DEC 09...	1020	81341	67	59	57	6.2	5.8	7.0	13.0	9.6	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	5.0	1.7	34	23	6	<.020	<.030	.090	14
NOV 12...	81341	3.0	1.3	16	6	1	<.020	<.030	.050	19
DEC 09...	81341	5.0	1.8	18	5	1	.060	<.030	.040	17

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	0845	81341	11	102	6.5	20.0	24.5	.6	7	40
21...	0900	81213	13	101	6.4	15.5	17.0	1.3	13	20
28...	0920	81213	52	83	6.0	14.0	15.0	7.2	70	7900
NOV 12...	1015	81341	40	71	6.2	11.0	15.0	7.8	71	460
DEC 09...	1020	81341	67	59	6.2	7.0	13.0	9.6	79	170

OGEECHEE RIVER BASIN

02202128 NEVILLS CREEK NEAR ROCKY FORD, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	0850	81213	6.0	85	6.7	24.3	30.0	.41	5

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 03...	81213	5.2	3.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 03...	81213	<1.0	<2.0	<.1	<1.0	<2.0	6.3

OGEECHEE RIVER BASIN

02202190 OGEECHEE RIVER NEAR OLIVER, GA.

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

DRAINAGE AREA.--2,230 mi², approximately.

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

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT											
14...	0635	81341	560	104	102	6.9	7.0	22.0	21.5	5.7	65
NOV											
12...	0820	81341	2200	67	65	6.7	6.7	12.0	13.0	6.4	60
DEC											
09...	0810	81341	3300	70	67	7.0	6.8	8.0	11.0	7.5	64
FEB											
11...	0915	81341	--	33	32	6.4	6.5	10.1	14.0	9.6	85
MAR											
04...	0900	81341	6400	52	51	6.6	6.8	12.4	7.8	8.4	79
19...	0940	81341	10100	37	35	6.5	6.6	13.7	16.1	8.7	85
APR											
21...	0800	81341	9000	53	52	6.3	6.7	19.0	18.2	7.0	76
MAY											
20...	0750	81341	2600	71	69	6.7	6.9	23.3	23.6	5.4	63
JUN											
24...	0745	81341	520	101	99	7.1	6.9	29.1	28.5	5.0	66
JUL											
09...	0750	81341	280	109	106	7.2	7.3	30.1	28.0	5.2	70
AUG											
13...	0800	81341	320	96	94	7.1	7.0	28.4	24.5	5.5	71
SEP											
03...	0800	81341	390	103	99	7.2	7.2	26.7	22.2	5.8	73

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
14...	81341	60	4.0	<1.0	28	1	.080	<.030	<.020	10
NOV										
12...	81341	90	6.0	1.0	15	2	<.020	<.030	.030	10
DEC										
09...	81341	120	6.0	1.9	17	<1	<.020	<.030	.030	12
FEB										
11...	81341	100	20	<1.0	7	6	.100	<.030	.040	7.0
MAR										
04...	81341	110	9.0	1.3	15	4	.090	<.030	.040	10
19...	81341	15	19	<1.0	10	7	.130	.040	.040	8.0
APR										
21...	81341	120	12	1.2	15	6	.180	<.030	.060	11
MAY										
20...	81341	140	10	<1.0	25	6	.180	<.030	.080	10
JUN										
24...	81341	75	8.0	<1.0	36	7	.420	.050	.080	6.0
JUL										
09...	81341	30	5.0	<1.0	38	3	.370	<.030	.080	5.0
AUG										
13...	81341	50	6.0	<1.0	15	9	.450	<.030	.080	7.0
SEP										
03...	81341	50	8.0	<1.0	33	10	.280	.040	.080	6.0

OGEECHEE RIVER BASIN

02202190 OGEECHEE RIVER NEAR OLIVER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
14...	0635	81341	560	104	6.9	22.0	21.5	5.7	65	70
21...	0640	81213	480	119	7.3	17.5	10.5	7.6	80	50
28...	0730	81213	1000	88	6.7	15.5	10.0	5.4	54	700
NOV										
12...	0820	81341	2200	67	6.7	12.0	13.0	6.4	60	220
DEC										
09...	0810	81341	3300	70	7.0	8.0	11.0	7.5	64	70
FEB										
02...	1215	81213	9200	45	6.6	9.4	12.8	10.0	87	110
11...	0915	81341	--	33	6.4	10.1	14.0	9.6	85	<20
19...	0930	81213	7400	45	6.5	13.0	11.7	8.4	80	80
MAR										
04...	0900	81341	6400	52	6.6	12.4	7.8	8.4	79	130
APR										
21...	0800	81341	9000	53	6.3	19.0	18.2	7.0	76	140
28...	0745	81213	6800	53	6.4	17.8	14.3	7.3	76	170
MAY										
12...	0745	81213	4700	59	6.5	20.7	20.8	6.4	72	20
20...	0750	81341	2600	71	6.7	23.3	23.6	5.4	63	50
AUG										
13...	0800	81341	320	96	7.1	28.4	24.5	5.5	71	1100
20...	0750	81213	545	103	7.0	27.6	24.3	5.6	70	70
27...	0800	81213	720	94	6.8	26.4	24.5	5.7	71	90
SEP										
03...	0800	81341	390	103	7.2	26.7	22.2	5.8	73	490

OGEECHEE RIVER BASIN

02202190 OGEECHEE RIVER NEAR OLIVER, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 10...	1010	81213	1350	78	7.0	25.5	32.0	4.8	59

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 10...	81213	9.0	1.5	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 10...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.5

OGEECHEE RIVER BASIN

02202240 OGEECHEE CREEK AT OLIVER, GA.

LOCATION.--Lat 32°31'28", long 81°32'23", Screven County, Hydrologic Unit 03060202, at downstream side of bridge on State Highway 17, 0.4 mi northwest of Oliver and 2.5 mi above mouth.

DRAINAGE AREA.--141 mi².

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0755	81341	2.0	64	62	6.3	6.3	20.5	20.5	3.5	39
NOV 12...	0940	81341	82	65	63	6.0	5.7	11.0	15.0	6.6	60
DEC 09...	0935	81341	340	54	52	5.7	5.4	7.0	11.5	9.2	77

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	2.0	1.0	16	10	2	.020	<.030	.080	17
NOV 12...	81341	2.0	1.5	16	5	1	<.020	<.030	.040	18
DEC 09...	81341	7.0	2.1	14	2	<1	<.020	<.030	<.020	20

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	0755	81341	2.0	64	6.3	20.5	20.5	3.5	39	20
21...	0800	81213	11	61	6.0	15.0	17.0	5.0	50	80
28...	0845	81213	205	61	5.9	14.5	13.0	6.3	62	330
NOV 12...	0940	81341	82	65	6.0	11.0	15.0	6.6	60	70
DEC 09...	0935	81341	340	54	5.7	7.0	11.5	9.2	77	50

OGEECHEE RIVER BASIN

02202240 OGEECHEE CREEK AT OLIVER, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 10...	0930	81213	12	59	6.5	23.6	28.6	3.5	41

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 10...	81213	3.1	2.5	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 10...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.7

OGEECHEE RIVER BASIN

02202367 MILL CREEK NEAR BROOKLET, GA.

LOCATION.--Lat 32°26'23", long 81°34'46", Bulloch County, Hydrologic Unit 03060201, at bridge on county road 386, 0.4 mi downstream from Spring Creek, 2.5 mi above mouth and 6.7 mi northeast of Brooklet.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14...	0720	81341	7.0	65	64	6.6	6.6	22.0	20.0	6.1	70
NOV 12...	0910	81341	58	68	66	6.3	6.2	12.5	13.0	8.3	78
DEC 09...	0855	81341	120	60	67	6.3	6.1	8.0	11.0	9.8	83

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 14...	81341	3.0	1.8	18	10	4	.110	<.030	.140	16
NOV 12...	81341	2.0	1.2	16	7	1	.080	<.030	.040	17
DEC 09...	81341	4.0	2.0	24	7	1	.100	<.030	.040	18

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 14...	0720	81341	7.0	65	6.6	22.0	20.0	6.1	70	20
21...	0725	81213	17	68	6.5	16.0	11.5	7.4	75	60
28...	0810	81213	210	62	6.2	16.5	9.5	7.3	75	230
NOV 12...	0910	81341	58	68	6.3	12.5	13.0	8.3	78	50
DEC 09...	0855	81341	120	60	6.3	8.0	11.0	9.8	83	20

OGEECHEE RIVER BASIN

02202367 MILL CREEK NEAR BROOKLET, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	0750	81213	11	77	6.6	24.9	26.5	4.5	54

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 03...	81213	4.1	3.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 03...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.6

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.

LOCATION.--Lat 32°11'29", long 81°24'58", Effingham-Bryan County line, Hydrologic Unit 03060202, on right bank 600 ft downstream from bridge on U.S. Highway 80, 2 mi west of Eden, 2 mi upstream from Seaboard Coast Line Railroad bridge, and 3 mi upstream from Black Creek.
DRAINAGE AREA.--2,650 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.64 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage at site 600 ft upstream at same datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1840, 20 ft in October 1929, from data furnished by Central of Georgia Railway Co. Flood of January 1925, reached a stage of 19.5 ft, from information as explained above. Flood of April 1936, reached a stage of 15.2 ft, from information as explained above, discharge, 30,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 1	0100	20,300	13.08	Apr. 16	0100	11,800	11.26
Jan. 30	0500	15,400	12.09	Apr. 24	1600	11,600	11.19
Feb. 12	1900	24,600	13.98	May 8	1300	7,350	10.08
Mar. 15	0500	*30,900	*15.15				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	462	1470	3430	20100	14000	9740	4850	6800	1210	399	318	440
2	505	1610	3450	18700	13100	9500	4500	5890	1130	368	307	383
3	554	1850	3530	17400	12700	9230	4250	5270	1060	358	296	433
4	604	2160	3610	16100	12300	8810	4000	5290	1010	352	282	585
5	661	2540	3700	14300	12000	8420	3910	5310	990	340	270	729
6	734	2860	3870	12100	14100	8270	4120	5920	1030	331	260	818
7	823	3000	3970	10200	17200	8380	4350	6780	1080	314	252	933
8	939	3010	3840	8670	19700	8590	5230	7270	1150	297	239	1080
9	1100	2930	3590	7420	21100	9640	6620	7100	1200	285	239	1140
10	1310	2820	3420	6740	22600	11800	8310	6620	1280	278	252	1130
11	1520	2710	3310	6760	23600	15800	10500	6090	1410	280	280	1230
12	1630	2670	3200	6690	24400	21000	11000	5590	1420	288	312	1550
13	1620	2730	3120	6210	23600	26700	10500	5190	1300	293	312	2220
14	1400	2750	3120	5570	20600	30400	10700	4940	1170	282	305	3190
15	1000	2760	3210	5040	16300	30700	11600	4650	1060	281	316	3690
16	718	2860	3310	4820	13000	29600	11700	4290	989	286	351	3590
17	549	2980	3440	4840	11800	27400	11300	3910	927	290	388	3260
18	486	3070	3580	5250	10600	23500	10200	3520	877	308	407	2990
19	491	3170	3850	6000	10400	18900	8910	3210	845	345	407	2790
20	519	3300	4320	6600	10800	14900	8140	2940	805	356	421	2580
21	516	3320	4860	7300	10600	12600	8070	2720	742	340	447	2280
22	517	3260	5280	8000	10600	11500	9090	2530	680	313	480	1950
23	537	3230	5470	9660	11000	10900	10700	2360	622	298	490	1590
24	562	3200	5880	10400	11300	10500	11400	2210	572	294	491	1280
25	591	3130	6220	11200	11800	9900	11200	2060	526	300	502	1050
26	649	3030	6520	12700	11400	9250	9840	1890	484	306	526	944
27	797	2970	7730	14400	10600	8580	8380	1740	450	314	561	904
28	936	3030	9550	15100	10200	7680	7740	1610	426	329	594	888
29	1140	3210	12400	15200	---	6760	7810	1500	421	346	620	888
30	1260	3410	16400	15400	---	6010	7430	1400	416	340	608	937
31	1310	---	19600	14900	---	5360	---	1300	---	318	537	---
TOTAL	26440	85040	170780	323770	411400	430320	246350	127900	27282	9829	12070	47472
MEAN	853	2835	5509	10440	14690	13880	8212	4126	909	317	389	1582
MAX	1630	3410	19600	20100	24400	30700	11700	7270	1420	399	620	3690
MIN	462	1470	3120	4820	10200	5360	3910	1300	416	278	239	383
CFSM	.32	1.07	2.08	3.94	5.54	5.24	3.10	1.56	.34	.12	.15	.60
IN.	.37	1.19	2.40	4.54	5.78	6.04	3.46	1.80	.38	.14	.17	.67

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1215	1098	2009	3238	4499	5462	4301	2058	1373	1178	1313	1138
MAX	5985	6387	10010	10550	14690	13880	10820	5814	4141	4240	7579	6812
(WY)	1965	1948	1949	1993	1998	1998	1948	1964	1973	1941	1991	1964
MIN	190	296	516	673	782	1051	835	407	257	163	206	138
(WY)	1982	1955	1955	1956	1989	1938	1985	1985	1988	1986	1954	1990

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1937 - 1998			
ANNUAL TOTAL	763316				1918653							
ANNUAL MEAN	2091				5257				2390			
HIGHEST ANNUAL MEAN									5370			
LOWEST ANNUAL MEAN									874			
HIGHEST DAILY MEAN	19600				Dec 31				30700			
LOWEST DAILY MEAN	200				Sep 15				96			
ANNUAL SEVEN-DAY MINIMUM	217				Sep 10				106			
INSTANTANEOUS PEAK FLOW									30900			
INSTANTANEOUS PEAK STAGE									15.15			
INSTANTANEOUS LOW FLOW									226			
ANNUAL RUNOFF (CFSM)	.79				1.98				.90			
ANNUAL RUNOFF (INCHES)	10.72				26.93				12.25			
10 PERCENT EXCEEDS	3840				12700				5720			
50 PERCENT EXCEEDS	1290				3120				1350			
90 PERCENT EXCEEDS	371				336				399			

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to June 1998 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to September 1981.

WATER TEMPERATURES: October 1972 to September 1981.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 183 microsiemens Sept. 13, 1978; minimum, 23 microsiemens Mar. 20, 1980.

WATER TEMPERATURES: Maximum, 32.0°C July 9-11, 13, 15, 21, 22, 1977, Aug. 9, 1980; minimum, 1.5°C Jan. 19-21, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0620	81341	1080	89	87	6.8	6.9	22.5	21.0	5.9	68
NOV 13...	0700	81341	2720	61	60	--	6.5	12.5	12.0	6.5	62
DEC 10...	0650	81341	3440	64	63	6.7	6.7	10.0	15.5	7.4	66

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	4.0	<1.0	24	21	2	.040	<.030	.060	13
NOV 13...	81341	6.0	1.3	18	12	3	<.020	<.030	.040	12
DEC 10...	81341	7.0	1.2	16	15	2	<.020	<.030	.030	13

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0620	81341	1080	89	6.8	22.5	21.0	5.9	68	130
22...	0630	81213	514	119	--	18.0	15.0	7.6	81	80
29...	0725	81213	1100	80	6.7	16.0	12.5	7.7	78	80
NOV 13...	0700	81341	2720	61	--	12.5	12.0	6.5	62	170
DEC 10...	0650	81341	3440	64	6.7	10.0	15.5	7.4	66	110

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1245	81213	516	114	7.2	18.9	28.0	8.3	89
JUN 11...	1345	81213	1420	71	7.5	26.6	39.0	5.5	69

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 21...	81213	11	1.0	<1.0	<2.0	<.5	<1.0	<1.0
JUN 11...	81213	9.9	1.8	<1.0	<2.0	<.5	<1.0	3.2

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 21...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.5
JUN 11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	7.4

OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.

LOCATION.--Lat 32°10'04", long 81°29'18", Bryan County, Hydrologic Unit 03060202, on upstream side of bridge on U.S. Highway 280 (State Highway 30), 4.2 mi upstream from Mill Creek, 5.8 mi southwest of Blitchton, and 8.7 mi upstream from mouth.

DRAINAGE AREA.--232 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1951, 1954, 1959, 1961-62, 1964-68, 1973. February 1980 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 30 ft above sea level (from topographic map).

REMARKS.--Records good, except those less than 2 ft³/s, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 27	0800	2,530	10.85	Feb. 24	2300	3,490	11.44
Jan. 18	1400	1,450	9.60	Mar. 10	1500	*5,740	*12.78
Jan. 24	1900	3,100	11.15	Mar. 21	1800	1,350	9.30
Feb. 6	0500	2,490	10.63	Apr. 11	0800	3,070	11.12
Feb. 19	1100	2,430	10.57	May 6	1000	1,050	8.79

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	222	169	1020	1000	1240	151	143	1.2	.75	.61	.46
2	56	207	239	809	783	1180	137	204	1.1	.83	.65	.46
3	30	227	348	617	660	1040	129	293	.90	.71	.59	.30
4	16	243	393	468	777	857	132	570	.75	.74	.57	.12
5	12	234	346	380	1690	650	134	794	.95	.85	.53	3.7
6	9.3	198	280	321	2410	520	124	1030	2.0	.78	.53	2.4
7	6.1	161	238	302	1890	512	110	912	1.6	.73	.53	1.6
8	4.3	131	196	319	1400	816	148	665	1.3	.71	.53	1.3
9	2.6	111	171	359	1090	2110	416	420	.88	.64	.58	3.5
10	1.9	95	172	420	864	5220	1390	272	1.1	.73	.61	2.0
11	1.6	85	178	567	661	4050	2920	229	2.7	.82	.59	1.5
12	1.1	81	186	709	496	2340	2120	190	1.9	1.2	.53	1.2
13	.99	141	214	619	388	1550	1420	151	1.4	1.0	.53	.88
14	1.3	226	245	456	312	1140	1030	120	.99	1.1	.56	.83
15	1.1	312	276	362	274	895	868	96	.76	1.4	.72	.91
16	2.3	485	285	403	265	690	836	77	.67	1.2	1.3	.85
17	3.1	525	284	819	759	518	996	63	.66	1.0	3.2	1.2
18	2.8	422	276	1400	1570	402	1000	52	.62	.78	.85	3.8
19	2.8	303	262	1260	2350	432	841	39	2.3	.72	.71	4.3
20	2.6	243	243	1020	1910	600	615	28	4.1	.84	.60	13
21	2.1	205	224	816	1370	1230	414	18	2.1	.88	.46	26
22	1.8	169	196	663	1080	1240	295	11	1.5	.78	.43	10
23	3.0	150	179	985	1320	991	238	7.5	1.2	.61	.39	5.6
24	5.7	140	263	2520	2790	748	196	5.5	.92	.61	.38	3.1
25	7.0	129	697	2810	3070	538	163	4.6	.90	.54	.38	2.8
26	27	118	1790	2190	2050	389	136	3.4	.77	.53	.35	2.0
27	134	110	2450	1720	1490	294	108	2.7	1.0	.54	.31	1.8
28	210	104	2080	1530	1280	251	88	2.4	.76	.63	.32	1.6
29	252	100	1800	1560	---	219	81	1.9	.73	.63	.37	1.4
30	277	135	1540	1530	---	191	85	1.3	.70	.61	.38	13
31	241	---	1260	1270	---	168	---	1.2	---	.62	.40	---
TOTAL	1402.49	6012	17480	30224	35999	33021	17321	6407.5	38.46	24.51	19.49	153.19
MEAN	45.2	200	564	975	1286	1065	577	207	1.28	.79	.63	5.11
MAX	277	525	2450	2810	3070	5220	2920	1030	4.1	1.4	3.2	30
MIN	.99	81	169	302	265	168	81	1.2	.62	.53	.31	.46
CFSM	.20	.86	2.43	4.20	5.54	4.59	2.49	.89	.01	.00	.00	.02
IN.	.22	.96	2.80	4.85	5.77	5.29	2.78	1.03	.01	.00	.00	.02

OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	140	112	193	402	463	373	224	110	122	83.9	166	95.3
MAX	1682	754	762	1203	1286	1065	622	867	696	299	1105	486
(WY)	1995	1986	1995	1987	1998	1998	1993	1991	1991	1989	1991	1989
MIN	.80	1.90	2.14	2.96	11.8	28.8	6.78	1.08	.93	.36	.63	.61
(WY)	1994	1981	1981	1981	1981	1985	1985	1985	1990	1990	1998	1990
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1980 - 1998	
ANNUAL TOTAL	51418.44					148102.64						
ANNUAL MEAN	141					406					205	
HIGHEST ANNUAL MEAN											480	
LOWEST ANNUAL MEAN											13.3	
HIGHEST DAILY MEAN	2450					Dec 27					10400	
LOWEST DAILY MEAN	.50					Sep 13					.23	
ANNUAL SEVEN-DAY MINIMUM	.82					Sep 9					.27	
INSTANTANEOUS PEAK FLOW						5740					11100	
INSTANTANEOUS PEAK STAGE						12.78					15.28	
INSTANTANEOUS LOW FLOW						.31					b.00	
ANNUAL RUNOFF (CFSM)	.61					1.75					.89	
ANNUAL RUNOFF (INCHES)	8.24					23.75					12.03	
10 PERCENT EXCEEDS	297					1270					573	
50 PERCENT EXCEEDS	67					131					44	
90 PERCENT EXCEEDS	1.8					.63					1.2	

a Part of each day September 12-15
b Observed

OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1300	81213	62	67	67	5.2	5.2	11.2	19.5	8.8	79
JUL 28...	1200	81213	.80	46	47	5.8	6.0	28.0	34.0	3.9	50
AUG 25...	1140	81213	14	49	50	5.2	5.4	23.6	29.3	4.3	51
SEP 29...	1150	81213	71	68	69	5.3	5.3	22.8	30.2	5.3	62

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	1.5	.8	3	4	<.020	<.010	.050	28
JUL 28...	81213	1.6	1.3	11	2	.060	.020	.060	13
AUG 25...	81213	1.7	.6	6	4	.040	.030	<.020	28
SEP 29...	81213	1.4	1.2	6	<1	.040	.030	<.020	26

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	1300	81213	62	67	5.2	11.2	19.5	8.8	79	33
JUL 28...	1200	81213	.80	46	5.8	28.0	34.0	3.9	50	80
AUG 11...	1120	81213	223	56	4.7	23.8	29.2	5.2	61	130
18...	1040	81213	17	52	5.1	25.7	34.2	3.8	46	80
25...	1140	81213	14	49	5.2	23.6	29.3	4.3	51	70
SEP 29...	1150	81213	71	68	5.3	22.8	30.2	5.3	62	460

SAVANNAH RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 27...	1200	81213	137	64	64	5.1	5.2	19.5	16.9	6.2	68
NOV 17...	1225	81213	529	70	67	4.6	4.7	10.4	11.0	8.4	74
DEC 22...	0745	81213	198	61	62	4.9	4.9	10.0	15.0	9.0	79
JAN 22...	1245	81341	645	52	50	4.7	4.9	10.0	18.5	9.0	80
FEB 04...	1255	81341	765	51	49	4.9	4.9	12.9	6.1	7.2	70
MAR 02...	1200	81341	199	40	39	4.8	4.8	16.4	15.9	6.5	67
APR 22...	1115	81341	293	44	44	4.9	4.8	19.1	20.5	5.5	60
MAY 21...	0615	81341	21	42	43	5.2	5.2	23.8	21.2	3.3	39
JUN 18...	1120	81341	61	42	42	5.9	5.8	27.6	34.8	3.3	42

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 27...	81213	3.2	1.5	5	1	.030	.020	<.020	26
NOV 17...	81213	1.9	1.6	2	1	<.020	.030	<.020	32
DEC 22...	81213	1.6	.5	3	<1	<.020	.020	<.020	26
JAN 22...	81341	2.0	<1.0	1	--	.040	<.030	.030	30
FEB 04...	81341	3.0	<1.0	2	--	.060	.060	.030	28
MAR 02...	81341	3.0	1.0	1	--	<.020	<.030	.040	29
APR 22...	81341	4.0	1.1	1	--	.030	.080	.090	30
MAY 21...	81341	5.0	<1.0	4	--	.100	.210	.110	26
JUN 18...	81341	2.0	1.3	9	--	.080	.080	.090	11

SAVANNAH RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
06...	1030	81213	9.9	65	5.3	21.0	25.5	5.4	60	170
20...	1020	81213	2.5	53	5.8	17.4	17.0	5.2	54	230
27...	1200	81213	137	64	5.1	19.5	16.9	6.2	68	4900
NOV										
17...	1225	81213	529	70	4.6	10.4	11.0	8.4	74	170
DEC										
22...	0745	81213	198	61	4.9	10.0	15.0	9.0	79	50
JAN										
08...	1215	81213	322	54	4.8	18.1	21.0	5.8	62	130
22...	1245	81341	645	52	4.7	10.0	18.5	9.0	80	130
28...	1345	81213	1500	45	4.7	10.6	14.9	8.6	78	130
FEB										
04...	1255	81341	765	51	4.9	12.9	6.1	7.2	70	130
APR										
22...	1115	81341	293	44	4.9	19.1	20.5	5.5	60	200
29...	1115	81213	80	45	5.0	18.0	16.7	5.6	59	70
MAY										
13...	1000	81213	154	42	4.9	20.9	24.8	4.7	52	50
21...	0615	81341	21	42	5.2	23.8	21.2	3.3	39	20

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT									
21...	1200	81213	2.0	52	6.2	17.6	26.0	5.1	53
JUN									
11...	1450	81213	2.7	38	6.3	25.6	37.0	3.5	43

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT								
21...	81213	2.6	1.0	<1.0	<2.0	<.5	<1.0	<1.0
JUN								
11...	81213	1.6	.84	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT							
21...	81213	<1.0	<2.0	<.1	<1.0	<2.0	7.0
JUN							
11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	7.0

OGEECHEE RIVER BASIN

02202835 CANOOCHEE RIVER NEAR STILLMORE, GA.

LOCATION.--Lat 32°29'42", long 82°12'17", Emanuel County, Hydrologic Unit 03060201, at downstream side of bridge at State Highway 192, 0.1 mi upstream from Thick Creek, 0.5 mi downstream from Little Canoochee Creek and 3.7 mi northeast of Stillmore.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	1330	81341	4.6	57	50	5.8	6.0	21.0	25.5	1.5	17
NOV 13...	1255	81341	290	35	37	--	5.1	11.0	13.0	8.6	79
DEC 10...	1250	81341	37	33	31	5.4	5.3	10.5	24.0	9.2	84

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	5.0	2.8	12	11	18	<.020	<.030	.020	25
NOV 13...	81341	5.0	2.1	14	2	4	<.020	<.030	<.020	21
DEC 10...	81341	5.0	1.2	8	3	1	<.020	<.030	<.020	15

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	1330	81341	4.6	57	5.8	21.0	25.5	1.5	17	170
22...	1200	81213	130	45	--	14.5	18.5	7.4	73	1300
29...	1300	81213	480	44	5.4	13.5	23.0	7.8	75	330
NOV 13...	1255	81341	290	35	--	11.0	13.0	8.6	79	490
DEC 10...	1250	81341	37	33	5.4	10.5	24.0	9.2	84	460

OGEECHEE RIVER BASIN

02202835 CANOOCHEE RIVER NEAR STILLMORE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 02...	1505	81213	69	55	6.4	25.2	39.0	.98	12

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 02...	81213	4.1	1.5	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 02...	81213	4.0	<2.0	<.1	1.5	<2.0	13

OGEECHEE RIVER BASIN

02202903 FIFTEENMILE CREEK AT COUNTY ROAD 28 NEAR METTER, GA.

LOCATION.--Lat 32°20'52", long 82°02'34", Candler County, Hydrologic Unit 03060201, at downstream side of bridge on county road 28, 1.4 mi above mouth, 3.5 mi southeast of Metter and 3.7 mi downstream from Jims Creek.

DRAINAGE AREA.--156 mi², approximately.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	0850	81213	440	61	61	5.9	6.1	8.4	7.2	9.2	78
JUL 28...	0800	81213	400	51	51	5.7	5.8	25.3	27.0	4.6	56
AUG 25...	0740	81213	8.5	55	57	5.8	6.2	22.0	18.2	4.2	48
SEP 29...	0800	81213	237	66	66	5.8	5.8	20.5	20.9	5.1	57

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	3.7	.9	4	3	<.020	<.010	.050	17
JUL 28...	81213	4.2	1.3	8	5	<.020	.020	.040	18
AUG 25...	81213	2.8	1.0	11	2	.030	.020	<.020	17
SEP 29...	81213	1.6	2.1	9	3	<.020	.020	<.020	18

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	0850	81213	440	61	5.9	8.4	7.2	9.2	78	79
JUL 28...	0800	81213	400	51	5.7	25.3	27.0	4.6	56	330
AUG 11...	0730	81213	163	56	5.9	22.7	21.8	4.2	49	230
18...	0720	81213	240	55	5.9	24.8	25.7	3.6	44	490
25...	0740	81213	8.5	55	5.8	22.0	18.2	4.2	48	490
SEP 29...	0800	81213	237	66	5.8	20.5	20.9	5.1	57	3500

OGEECHEE RIVER BASIN

02202903 FIFTEENMILE CREEK AT COUNTY ROAD 28 NEAR METTER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 14...	1210	81213	108	52	6.4	24.1	34.0	5.1	61

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 14...	81213	3.0	1.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 14...	81213	3.8	<2.0	<.1	<1.0	<2.0	8.3

OGEECHEE RIVER BASIN

02202903 FIFTEENMILE CREEK AT COUNTY ROAD 28 NEAR METTER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 27...	0845	81213	380	71	71	5.9	6.1	18.9	16.7	5.4	59
NOV 17...	0830	81213	840	53	54	5.4	5.6	8.8	1.8	8.6	73
DEC 22...	1200	81213	555	49	52	5.9	6.0	11.0	14.0	9.0	82
JAN 22...	0855	81341	780	44	44	6.1	5.9	9.0	11.4	9.5	82
FEB 04...	0845	81341	1350	38	38	5.6	5.9	12.6	7.2	8.2	80
MAR 02...	0845	81341	970	38	38	6.1	5.9	13.9	9.5	7.3	71
APR 22...	0700	81341	930	37	35	6.0	6.0	17.8	14.5	6.5	69
MAY 21...	0745	81341	15	61	63	6.2	6.2	23.5	24.3	3.2	38
JUN 18...	0710	81341	<.10	103	98	6.4	6.5	24.9	23.4	.6	7

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 27...	81213	2.8	1.7	10	2	.080	.020	.040	18
NOV 17...	81213	3.5	1.5	6	2	<.020	.020	<.020	16
DEC 22...	81213	4.0	.8	7	<1	.020	.020	.020	11
JAN 22...	81341	4.0	<1.0	3	--	.130	<.030	.020	12
FEB 04...	81341	11	1.1	5	--	.180	<.030	.030	13
MAR 02...	81341	6.0	1.6	5	--	.060	<.030	.020	14
APR 22...	81341	13	1.2	5	--	.070	.080	.040	16
MAY 21...	81341	9.0	<1.0	12	--	.200	.340	.090	19
JUN 18...	81341	14	2.5	29	--	.480	.630	.160	14

OGEECHEE RIVER BASIN

02202903 FIFTEENMILE CREEK AT COUNTY ROAD 28 NEAR METTER, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
06...	1530	81213	30	57	5.9	20.3	27.5	6.1	67	220
20...	0730	81213	325	58	5.6	15.1	12.0	6.1	61	330
27...	0845	81213	380	71	5.9	18.9	16.7	5.4	59	2200
NOV										
17...	0830	81213	840	53	5.4	8.8	1.8	8.6	73	170
DEC										
22...	1200	81213	555	49	5.9	11.0	14.0	9.0	82	130
JAN										
08...	0840	81213	720	46	5.9	17.2	17.9	6.1	64	700
22...	0855	81341	780	44	6.1	9.0	11.4	9.5	82	150
28...	0945	81213	1120	39	5.9	9.0	9.7	9.7	85	110
FEB										
04...	0845	81341	1350	38	5.6	12.6	7.2	8.2	80	4900
APR										
22...	0700	81341	930	37	6.0	17.8	14.5	6.5	69	80
29...	0700	81213	590	40	6.1	16.0	16.0	6.7	68	130
MAY										
13...	0715	81213	285	49	6.1	18.7	17.3	4.6	49	20
21...	0745	81341	15	61	6.2	23.5	24.3	3.2	38	270

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN									
02...	1605	81213	1.3	67	6.6	26.7	36.0	3.3	42

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN								
02...	81213	4.0	2.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN							
02...	81213	1.6	<2.0	<.1	<1.0	<2.0	6.4

OGEECHEE RIVER BASIN

02202920 TENMILE CREEK NEAR EXCELSIOR, GA.

LOCATION.--Lat 32°18'43", long 81°57'04", Candler-Bulloch County line, Hydrologic Unit 03060201, at downstream side of bridge on county road 28, 1 mi east of Excelsior, 1.5 mi downstream from Bad Prong Creek and 3.3 mi above mouth.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	0800	81213	E50	73	73	6.2	6.4	9.5	5.0	8.4	73
JUL 28...	0715	81213	E.80	75	75	6.4	6.5	25.7	24.7	1.1	14
AUG 25...	0650	81213	E3.0	72	73	6.3	6.7	21.2	14.4	1.9	21
SEP 29...	0715	81213	E.10	90	90	5.7	5.9	20.7	18.7	1.7	19

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	2.2	1.4	8	6	.040	<.010	.060	22
JUL 28...	81213	2.8	1.4	19	4	.060	.140	.090	14
AUG 25...	81213	4.0	.8	19	12	.120	.050	.060	14
SEP 29...	81213	4.2	2.2	10	4	<.020	.030	.030	16

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	0800	81213	E50	73	6.2	9.5	5.0	8.4	73	79
JUL 28...	0715	81213	E.80	75	6.4	25.7	24.7	1.1	14	70
AUG 11...	0650	81213	E28	64	6.3	23.6	20.2	4.8	57	230
18...	0650	81213	E11	70	6.3	24.8	23.3	3.7	45	130
25...	0650	81213	E3.0	72	6.3	21.2	14.4	1.9	21	20
SEP 29...	0715	81213	E.10	90	5.7	20.7	18.7	1.7	19	1700

OGEECHEE RIVER BASIN

02202920 TENMILE CREEK NEAR EXCELSIOR, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 14...	1310	81213	E9.0	74	7.1	23.7	35.2	3.0	36

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 14...	81213	4.5	2.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 14...	81213	1.7	<2.0	<.1	<1.0	<2.0	6.0

OGEECHEE RIVER BASIN

02202920 TENMILE CREEK NEAR EXCELSIOR, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 27...	0800	81213	E42	70	71	5.6	5.7	19.1	18.1	4.8	53
NOV 17...	0745	81213	E90	68	69	6.1	6.5	8.8	-1.1	8.7	74
DEC 22...	1115	81213	E87	66	68	6.3	6.3	12.0	18.5	8.2	76
JAN 22...	0815	81341	E200	52	51	6.1	6.0	10.2	9.9	9.2	82
FEB 04...	0815	81341	E760	40	40	5.9	5.8	13.8	7.6	7.9	79
MAR 02...	0815	81341	E260	46	47	6.2	6.2	13.8	8.1	7.3	71
APR 22...	0630	81341	E100	55	53	6.2	6.3	18.3	11.6	5.9	63
MAY 21...	0715	81341	E9.0	69	69	6.3	6.1	21.4	21.5	3.5	40
JUN 18...	0640	81341	<.10	96	94	6.5	6.5	24.6	20.4	.8	10

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 27...	81213	4.6	2.0	9	6	.030	.010	<.020	16
NOV 17...	81213	3.4	1.4	9	5	.160	.030	<.020	14
DEC 22...	81213	1.9	1.0	10	3	.140	.020	.020	11
JAN 22...	81341	5.0	<1.0	5	--	.240	<.030	.020	12
FEB 04...	81341	44	1.3	3	--	.290	.040	.080	13
MAR 02...	81341	8.0	1.2	6	--	.130	.030	.050	15
APR 22...	81341	8.0	1.2	10	--	.130	.100	.050	14
MAY 21...	81341	5.0	<1.0	15	--	.160	.160	.060	17
JUN 18...	81341	10	2.2	31	--	<.020	.420	.160	17

OGEECHEE RIVER BASIN

02202920 TENMILE CREEK NEAR EXCELSIOR, GA.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
06...	1445	81213	<.10	96	5.9	21.3	30.0	4.0	45	310
20...	0655	81213	E2.5	79	5.6	15.2	9.7	3.4	34	1300
27...	0800	81213	E42	70	5.6	19.1	18.1	4.8	53	790
NOV										
17...	0745	81213	E90	68	6.1	8.8	-1.1	8.7	74	50
DEC										
22...	1115	81213	E87	66	6.3	12.0	18.5	8.2	76	490
JAN										
08...	0800	81213	E270	51	6.0	17.2	17.6	6.3	66	1100
22...	0815	81341	E200	52	6.1	10.2	9.9	9.2	82	60
28...	0900	81213	E440	48	6.1	8.8	7.6	9.5	83	130
FEB										
04...	0815	81341	E760	40	5.9	13.8	7.6	7.9	79	2300
APR										
22...	0630	81341	E100	55	6.2	18.3	11.6	5.9	63	140
29...	0630	81213	E30	60	6.2	17.0	16.1	6.2	64	40
MAY										
13...	0645	81213	E28	61	6.3	20.4	14.7	5.1	57	80
21...	0715	81341	E9.0	69	6.3	21.4	21.5	3.5	40	110

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN									
02...	1715	81213	E2.0	89	6.6	24.9	36.0	.62	8

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN								
02...	81213	5.9	3.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN							
02...	81213	<1.0	<2.0	<.1	<1.0	<2.0	13

OGEECHEE RIVER BASIN

02202969 CEDAR CREEK AT CLAXTON, GA.

LOCATION.--Lat 32°10'27", long 81°55'18", Evans County, Hydrologic Unit 03060201, at downstream side of bridge on State Highway 129, 0.8 mi above mouth, 1.3 mi northwest of Claxton and 4.4 mi downstream from Water Hole Creek.

DRAINAGE AREA.--53 mi², approximately.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	0935	81213	80	75	74	5.9	6.0	9.0	10.2	9.9	84
JUL 28...	0900	81213	.20	83	84	6.3	6.4	26.8	30.0	.4	5
AUG 25...	0830	81213	.30	89	89	6.3	6.7	21.5	22.5	1.4	16
SEP 29...	0850	81213	.80	75	74	6.3	6.5	21.4	23.0	1.2	14

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	3.4	1.2	4	6	.050	<.010	.040	19
JUL 28...	81213	4.1	2.9	26	17	<.020	.050	.090	16
AUG 25...	81213	4.9	2.0	27	11	<.020	.070	.100	13
SEP 29...	81213	1.8	1.5	20	3	<.020	.110	.020	18

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	0935	81213	80	75	5.9	9.0	10.2	9.9	84	540
JUL 28...	0900	81213	.20	83	6.3	26.8	30.0	.4	5	20
AUG 11...	0830	81213	1.4	70	6.0	22.9	23.7	2.0	23	490
18...	0810	81213	1.0	69	6.1	24.3	27.6	1.1	13	110
25...	0830	81213	.30	89	6.3	21.5	22.5	1.4	16	50
SEP 29...	0850	81213	.80	75	6.3	21.4	23.0	1.2	14	80

OGEECHEE RIVER BASIN

02202969 CEDAR CREEK AT CLAXTON, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 14...	1510	81213	.50	63	6.4	25.3	34.3	2.0	24

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 14...	81213	2.9	2.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 14...	81213	1.6	<2.0	<.1	<1.0	<2.0	6.7

OGEECHEE RIVER BASIN

02202969 CEDAR CREEK AT CLAXTON, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 27...	0930	81213	21	61	62	5.9	6.0	18.7	17.1	6.0	65
NOV 17...	0915	81213	435	70	69	5.2	5.4	9.4	4.0	8.4	73
DEC 22...	1030	81213	200	61	63	5.9	6.0	10.5	19.0	9.5	85
JAN 22...	0930	81341	400	49	48	6.0	5.9	9.3	12.9	9.6	84
FEB 04...	0930	81341	620	44	44	5.9	5.8	13.2	7.6	7.9	78
MAR 02...	0930	81341	530	41	42	6.1	6.0	14.6	11.3	7.3	73
APR 22...	0745	81341	308	50	48	6.2	6.2	17.6	14.6	6.8	72
MAY 21...	0830	81341	6.6	63	63	6.3	6.5	22.0	26.3	4.7	54
JUN 18...	0750	81341	.70	84	81	6.2	6.2	25.9	26.5	.8	10

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 27...	81213	5.8	2.4	10	3	.060	.020	.020	14
NOV 17...	81213	4.2	1.7	5	1	.050	.030	<.020	22
DEC 22...	81213	3.3	.6	7	2	.180	.020	<.020	13
JAN 22...	81341	5.0	<1.0	4	--	.270	<.030	.020	13
FEB 04...	81341	7.0	1.2	4	--	.200	<.030	.020	13
MAR 02...	81341	6.0	1.1	5	--	.130	.040	.030	16
APR 22...	81341	9.0	1.5	8	--	.100	.130	.030	19
MAY 21...	81341	6.0	<1.0	17	--	.180	.090	.050	20
JUN 18...	81341	5.0	2.7	25	--	<.020	<.030	.110	16

OGEECHEE RIVER BASIN

02202969 CEDAR CREEK AT CLAXTON, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 06...	1345	81213	.30	75	6.4	23.4	30.5	5.9	69	230
20...	0805	81213	.50	65	6.2	15.3	12.2	2.9	29	80
27...	0930	81213	21	61	5.9	18.7	17.1	6.0	65	1700
NOV 17...	0915	81213	435	70	5.2	9.4	4.0	8.4	73	330
DEC 22...	1030	81213	200	61	5.9	10.5	19.0	9.5	85	170
JAN 08...	0915	81213	415	51	5.8	17.5	18.3	6.7	71	2400
22...	0930	81341	400	49	6.0	9.3	12.9	9.6	84	170
28...	1030	81213	560	44	5.9	9.4	11.2	9.4	83	140
FEB 04...	0930	81341	620	44	5.9	13.2	7.6	7.9	78	2300
APR 22...	0745	81341	308	50	6.2	17.6	14.6	6.8	72	110
29...	0745	81213	68	51	6.2	16.2	16.2	7.3	74	80
MAY 13...	0800	81213	62	56	6.2	19.1	19.6	6.4	69	70
21...	0830	81341	6.6	63	6.3	22.0	26.3	4.7	54	490

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 02...	1130	81213	1.9	66	6.3	27.7	37.0	2.5	32

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 02...	81213	3.7	2.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 02...	81213	<1.0	<2.0	<.1	<1.0	<2.0	6.9

OGEECHEE RIVER BASIN

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.

LOCATION.--Lat 32°11'05", long 81°53'20", Evans County, Hydrologic Unit 03060203, on right bank 400 ft upstream from bridge on State Highway 73, 1.9 mi northeast of Claxton, and 10 mi upstream from Lotts Creek.

DRAINAGE AREA.--555 mi², approximately.

PERIOD OF RECORD.--May 1937 to current year.

REVISED RECORDS.--WSP 1112: 1939-41, 1944.

GAGE.--Water-stage recorder. Datum of gage is 80.5 ft above sea level (levels by Georgia Department of Transportation). Prior to Oct. 20, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for period of estimated daily discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 28	1900	5,220	13.15	Feb. 24	2200	3,320	11.64
Jan. 17	2300	2,920	11.37	Mar. 10	1700	*9,740	*14.96
Jan. 25	2300	3,910	12.26	Mar. 21	1600	3,220	11.55
Feb. 7	0900	6,770	13.70	Apr. 10	1600	4,840	12.68
Feb. 19	0500	4,020	12.16				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	693	e1000	3020	2180	2500	903	805	40	2.6	14	2.8
2	100	701	e1400	2380	1930	2130	863	984	35	2.5	10	2.9
3	117	740	e1600	1850	1940	1880	810	1170	28	2.4	8.2	43
4	119	831	e1500	1550	2930	1840	752	1220	23	2.8	6.7	44
5	104	877	e1400	1340	5270	1640	666	1200	20	3.6	5.6	54
6	83	853	e1200	1200	6300	1530	589	1420	21	3.4	4.6	143
7	64	754	e1000	1130	6690	1640	600	1460	20	2.8	4.0	201
8	48	e690	e900	1260	5720	2280	811	1320	18	2.3	7.9	164
9	35	e680	e840	1450	4040	4960	2350	1140	17	2.0	6.7	119
10	27	e640	e800	1590	2820	9180	4480	1010	17	2.0	5.1	97
11	20	e600	e770	1640	2130	9160	3880	858	16	1.7	5.1	80
12	16	e620	771	1520	1780	8280	2700	617	15	1.5	5.5	73
13	12	e700	816	1350	1500	5720	2570	437	14	1.6	7.5	70
14	10	e900	937	1160	1280	3570	2160	348	12	1.6	7.3	62
15	8.6	e1100	1070	1140	1170	2430	1940	335	10	1.5	9.8	51
16	8.7	e1300	1130	1480	1190	1860	1830	400	8.5	1.7	6.1	40
17	14	e1500	1270	2500	1710	1660	1850	303	8.0	2.5	7.1	34
18	25	e1700	1340	2750	3210	1530	1780	198	7.5	2.6	13	30
19	25	e1600	1160	2290	3820	1710	1780	147	7.1	2.7	17	26
20	84	e1400	1110	1970	3050	2340	2150	117	7.2	3.4	25	30
21	151	e1200	1080	1830	2640	3150	1810	95	6.2	2.8	25	44
22	100	e1000	939	1750	2550	3160	1660	80	5.7	1.9	17	51
23	66	e900	894	2050	3040	2920	1830	69	4.9	1.6	12	49
24	55	e800	1200	2840	3250	2470	1620	59	4.4	1.6	8.7	57
25	62	e740	2280	3620	3200	1970	1290	50	4.4	1.7	6.9	80
26	100	e680	3590	3720	2830	1610	1020	42	3.9	1.4	5.1	80
27	183	e620	4330	3340	2590	1300	837	40	3.8	2.0	4.3	72
28	221	e600	5040	3260	2550	1080	725	37	3.5	9.2	3.8	67
29	324	e600	4880	3210	---	979	648	32	3.3	23	3.4	63
30	539	e760	4220	2850	---	951	675	27	3.0	21	3.0	158
31	667	---	3570	2480	---	942	---	25	---	20	3.1	---
TOTAL	3429.3	26779	54037	65520	83310	88372	47579	16045	387.4	133.4	268.5	2087.7
MEAN	111	893	1743	2114	2975	2851	1586	518	12.9	4.30	8.66	69.6
MAX	667	1700	5040	3720	6690	9180	4480	1460	40	23	25	201
MIN	8.6	600	770	1130	1170	942	589	25	3.0	1.4	3.0	2.8
CFSM	.20	1.61	3.14	3.81	5.36	5.14	2.86	.93	.02	.01	.02	.13
IN.	.23	1.79	3.62	4.39	5.58	5.92	3.19	1.08	.03	.01	.02	.14

OGEECHEE RIVER BASIN

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	223	208	436	726	1001	1140	761	345	236	245	275	224
MAX	1674	2074	2359	2498	2975	2900	2667	1804	999	1730	2536	1244
(WY)	1965	1948	1948	1987	1998	1948	1948	1966	1973	1941	1991	1964
MIN	1.22	3.02	4.98	5.44	43.2	52.6	45.7	5.88	4.32	1.56	1.53	1.20
(WY)	1955	1955	1955	1955	1950	1955	1968	1985	1950	1986	1954	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1937 - 1998			
ANNUAL TOTAL	188616.1				387948.3							
ANNUAL MEAN	517				1063				482			
HIGHEST ANNUAL MEAN									1283			1948
LOWEST ANNUAL MEAN									77.7			1968
HIGHEST DAILY MEAN	5040				9180				12400			Jan 14 1993
LOWEST DAILY MEAN	3.5				1.4				.54			Sep 29 1993
ANNUAL SEVEN-DAY MINIMUM	4.2				1.7				.63			Sep 25 1993
INSTANTANEOUS PEAK FLOW					9740				13500			Jan 14 1993
INSTANTANEOUS PEAK STAGE					14.96				16.60			Jan 14 1993
INSTANTANEOUS LOW FLOW					1.1				.48			Sep 29 1993
ANNUAL RUNOFF (CFSM)	.93				1.92				.87			
ANNUAL RUNOFF (INCHES)	12.64				26.00				11.79			
10 PERCENT EXCEEDS	1240				2840				1340			
50 PERCENT EXCEEDS	179				667				163			
90 PERCENT EXCEEDS	16				3.8				7.0			

e Estimated

OGEECHEE RIVER BASIN

02203010 CANOOCHEE RIVER NEAR DAISY, GA.

LOCATION.--Lat 32°10'43", long 81°49'44", Evans County, Hydrologic Unit 03060203, at downstream side of bridge on county road 197, 2 mi north of Daisy, and approximately 4 mi upstream from Lotts Creek.

DRAINAGE AREA.--570 mi².

PERIOD OF RECORD.--July 1992 to February 1994, January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	1205	81341	114	64	63	6.0	6.2	23.0	28.0	4.6	54
NOV 13...	1135	81341	E700	67	67	--	5.9	12.0	16.0	8.5	80
DEC 10...	1145	81341	E800	50	47	5.6	5.6	10.0	23.5	9.2	82

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	100	3.0	<1.0	6	<1	.200	<.030	.080	18
NOV 13...	81341	160	5.0	2.0	5	5	.340	.110	.080	21
DEC 10...	81341	140	4.0	1.4	3	2	.070	.040	.030	20

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	1205	81341	114	64	6.0	23.0	28.0	4.6	54	170
22...	1040	81213	130	68	--	16.0	23.0	7.2	73	110
29...	1145	81213	250	56	6.0	16.0	18.5	7.4	75	13
NOV 13...	1135	81341	E700	67	--	12.0	16.0	8.5	80	2300
DEC 10...	1145	81341	E800	50	5.6	10.0	23.5	9.2	82	75

OGEECHEE RIVER BASIN

02203010 CANOOCHEE RIVER NEAR DAISY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 02...	1305	81213	51	58	6.3	27.2	40.0	2.9	37

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN 02...	81213	3.0	1.7	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN 02...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.0

OGEECHEE RIVER BASIN

02203205 LOTTS CREEK NEAR NEVILS, GA.

LOCATION.--Lat 32°15'52", long 81°48'33", Bulloch County, Hydrologic Unit 03060201, at downstream side of bridge on State Highway 250, 0.5 mi downstream from Little Lotts Creek, 1.9 mi upstream from Reedy Creek and 2.6 mi west of Nevils.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1130	81213	96	95	94	6.7	6.8	10.2	14.0	9.2	81
JUL 28...	1045	81213	48	68	68	6.2	6.4	26.4	33.0	5.5	68
AUG 25...	1000	81213	38	59	60	6.4	6.5	22.0	26.4	6.0	69
SEP 29...	1045	81213	9.0	102	100	6.6	6.8	21.5	27.2	4.0	46

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	1.8	.9	13	4	<.020	<.010	.060	23
JUL 28...	81213	3.3	1.4	12	4	.060	.040	.100	17
AUG 25...	81213	2.4	.6	14	4	.060	.020	.080	17
SEP 29...	81213	2.1	4.6	29	<1	.080	.080	.170	12

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	1130	81213	96	95	6.7	10.2	14.0	9.2	81	130
JUL 28...	1045	81213	48	68	6.2	26.4	33.0	5.5	68	170
AUG 11...	1000	81213	74	85	6.6	23.5	26.8	5.4	63	140
18...	0930	81213	28	74	6.5	25.0	30.2	5.2	63	80
25...	1000	81213	38	59	6.4	22.0	26.4	6.0	69	20
SEP 29...	1045	81213	9.0	102	6.6	21.5	27.2	4.0	46	330

OGEECHEE RIVER BASIN

02203205 LOTTS CREEK NEAR NEVILS, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 14...	1810	81213	20	67	6.9	25.7	34.0	4.4	54

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 14...	81213	3.6	2.5	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 14...	81213	4.1	<2.0	<.1	<1.0	<2.0	8.0

OGEECHEE RIVER BASIN

02203205 LOTTS CREEK NEAR NEVILS, GA.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 27...	1100	81213	91	108	108	6.5	6.7	18.8	16.4	5.9	64
NOV 17...	1050	81213	760	67	67	5.7	5.9	9.6	6.2	9.0	78
DEC 22...	0940	81213	220	71	72	6.4	6.4	11.0	18.0	8.8	80
JAN 22...	1100	81341	440	54	53	6.1	6.1	9.9	18.0	8.8	78
FEB 04...	1110	81341	1850	46	45	6.1	6.1	12.7	5.7	7.8	76
MAR 02...	1040	81341	850	46	47	6.2	6.1	14.9	13.4	7.3	73
APR 22...	0915	81341	420	50	49	6.2	6.1	18.3	18.2	6.2	66
MAY 21...	1000	81341	26	69	69	6.4	6.4	23.0	29.7	4.5	53
JUN 18...	0915	81341	5.2	83	79	6.3	6.3	24.3	32.2	1.6	19

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 27...	81213	5.2	2.0	24	4	.030	.030	.180	17
NOV 17...	81213	2.4	1.5	6	5	<.020	.020	.020	17
DEC 22...	81213	1.7	.8	10	<1	<.020	.020	.030	12
JAN 22...	81341	3.0	<1.0	4	--	.160	<.030	.040	13
FEB 04...	81341	7.0	<1.0	5	--	.220	.030	.040	12
MAR 02...	81341	4.0	1.1	7	--	.110	<.030	.050	14
APR 22...	81341	7.0	1.3	6	--	.120	.060	.080	16
MAY 21...	81341	5.0	1.1	15	--	.220	.070	.160	18
JUN 18...	81341	5.0	<1.0	25	--	.080	.120	.310	10

OGEECHEE RIVER BASIN

02203205 LOTTS CREEK NEAR NEVILS, GA.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
06...	1230	81213	7.0	102	6.6	20.2	29.0	3.8	42	20
20...	0920	81213	13	122	6.6	15.8	15.4	5.0	50	80
27...	1100	81213	91	108	6.5	18.8	16.4	5.9	64	490
NOV										
17...	1050	81213	760	67	5.7	9.6	6.2	9.0	78	230
DEC										
22...	0940	81213	220	71	6.4	11.0	18.0	8.8	80	70
JAN										
08...	1040	81213	480	53	6.1	17.2	18.9	6.2	65	1800
22...	1100	81341	440	54	6.1	9.9	18.0	8.8	78	50
28...	1300	81213	1200	45	6.1	10.0	14.4	9.3	83	50
FEB										
04...	1110	81341	1850	46	6.1	12.7	5.7	7.8	76	1300
APR										
22...	0915	81341	420	50	6.2	18.3	18.2	6.2	66	20
29...	0915	81213	157	56	6.2	17.0	18.9	6.4	66	310
MAY										
13...	0915	81213	105	61	6.3	20.3	22.3	5.1	57	20
21...	1000	81341	26	69	6.4	23.0	29.7	4.5	53	20

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN									
11...	1225	81213	7.6	75	7.4	24.1	39.0	3.5	41

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN								
11...	81213	4.7	2.8	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN							
11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.9

OGEECHEE RIVER BASIN

02203450 BULL CREEK NEAR DAISY, GA.

LOCATION.--Lat 32°08'40", long 81°47'36", Evans County, Hydrologic Unit 03060201, at downstream side of bridge on county road 204, 0.8 mi upstream from Little Bull Creek, 1.2 mi above mouth, 2.6 mi southeast of Daisy and 3.4 mi downstream from Barnard Mill Branch.

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1040	81213	25	77	76	6.4	6.6	8.8	14.5	10.0	85
JUL 28...	1000	81213	.15	45	46	6.0	6.3	26.0	30.0	3.9	48
AUG 25...	0915	81213	.20	57	58	6.0	6.2	21.3	23.9	4.0	45
SEP 29...	0940	81213	.50	34	34	5.9	6.1	21.8	23.9	3.2	37

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 27...	81213	2.3	.8	7	5	.050	<.010	.030	17
JUL 28...	81213	1.8	1.1	11	2	<.020	.020	.020	5.5
AUG 25...	81213	1.4	.7	12	3	.040	.020	<.020	10
SEP 29...	81213	1.3	.8	11	2	<.020	.020	<.020	5.4

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 27...	1040	81213	25	77	6.4	8.8	14.5	10.0	85	130
JUL 28...	1000	81213	.15	45	6.0	26.0	30.0	3.9	48	80
AUG 11...	0915	81213	6.4	64	6.2	22.8	24.7	6.3	73	130
18...	0850	81213	6.5	66	6.3	24.0	29.0	5.7	68	130
25...	0915	81213	.20	57	6.0	21.3	23.9	4.0	45	80
SEP 29...	0940	81213	.50	34	5.9	21.8	23.9	3.2	37	110

OGEECHEE RIVER BASIN

02203450 BULL CREEK NEAR DAISY, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL 14...	1610	81213	2.2	60	6.7	24.9	34.7	5.0	61

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 14...	81213	3.0	2.4	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 14...	81213	1.2	<2.0	<.1	<1.0	<2.0	5.4

OGEECHEE RIVER BASIN

02203450 BULL CREEK NEAR DAISY, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 27...	1005	81213	42	78	79	5.7	5.8	19.5	16.7	6.8	75
NOV 17...	1000	81213	100	66	66	5.7	5.8	9.3	4.8	9.0	77
DEC 22...	0845	81213	56	63	65	6.2	6.1	10.5	17.0	9.6	86
JAN 22...	1020	81341	115	50	49	6.0	6.0	9.3	16.2	9.6	84
FEB 04...	1030	81341	245	46	44	5.9	5.8	13.2	6.2	8.1	79
MAR 02...	1000	81341	180	42	42	6.1	6.0	14.7	12.4	7.7	77
APR 22...	0830	81341	77	47	46	6.1	6.1	17.7	16.8	7.1	75
MAY 21...	0910	81341	4.0	52	52	6.3	6.1	21.6	28.5	5.6	64
JUN 18...	0830	81341	.15	36	39	6.0	5.8	24.5	28.3	3.7	44

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 27...	81213	6.8	3.0	8	3	.120	.040	.030	16
NOV 17...	81213	2.4	1.2	6	4	<.020	.020	<.020	17
DEC 22...	81213	1.5	.5	8	<1	.140	.020	<.020	12
JAN 22...	81341	3.0	<1.0	5	--	.300	<.030	<.020	16
FEB 04...	81341	6.0	1.1	4	--	.280	.040	.030	12
MAR 02...	81341	3.0	1.1	5	--	.210	<.030	<.020	15
APR 22...	81341	5.0	1.0	6	--	.120	.060	.040	17
MAY 21...	81341	3.0	<1.0	9	--	.130	<.030	.060	17
JUN 18...	81341	2.0	<1.0	9	--	<.020	<.030	.040	8.0

OGEECHEE RIVER BASIN

02203450 BULL CREEK NEAR DAISY, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
06...	1130	81213	.20	38	5.9	19.6	27.5	4.1	44	<20
20...	0845	81213	.50	31	6.0	15.5	13.4	4.7	47	50
27...	1005	81213	42	78	5.7	19.5	16.7	6.8	75	1300
NOV										
17...	1000	81213	100	66	5.7	9.3	4.8	9.0	77	220
DEC										
22...	0845	81213	56	63	6.2	10.5	17.0	9.6	86	330
JAN										
08...	1000	81213	102	52	6.0	17.4	18.6	7.2	76	3500
22...	1020	81341	115	50	6.0	9.3	16.2	9.6	84	110
28...	1215	81213	210	44	6.0	9.8	13.9	9.5	85	170
FEB										
04...	1030	81341	245	46	5.9	13.2	6.2	8.1	79	2200
APR										
22...	0830	81341	77	47	6.1	17.7	16.8	7.1	75	70
29...	0830	81213	21	51	6.1	16.5	18.2	7.4	75	110
MAY										
13...	0830	81213	27	49	6.1	19.3	20.3	6.4	70	140
21...	0910	81341	4.0	52	6.3	21.6	28.5	5.6	64	90

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN									
02...	1040	81213	.40	47	6.2	24.5	35.0	4.8	58

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUN								
02...	81213	2.4	1.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUN							
02...	81213	1.1	<2.0	<.1	<1.0	<2.0	9.0

OGEECHEE RIVER BASIN

02203514 CANOOCHEE CREEK NEAR HINESVILLE, GA.

LOCATION.--Lat 31°56'22", long 81°38'41", Liberty County, Hydrologic Unit 03060203, at downstream side of bridge on State Highway 119, 0.1 mi upstream from Strum Bay, 0.8 mi upstream from Taylors Creek, approximately 4 mi above mouth and 7.0 mi northwest of Hinesville.

DRAINAGE AREA.--100 mi².

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	1100	81341	.70	43	42	5.6	5.7	23.0	28.5	3.7	43
NOV 13...	1020	81341	110	40	39	--	5.0	15.0	16.0	7.3	74
DEC 10...	1040	81341	48	57	54	4.4	4.3	12.5	22.5	7.2	68

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CaCO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	5.0	1.1	10	5	6	<.020	.180	.040	26
NOV 13...	81341	2.0	1.2	6	2	3	<.020	.050	<.020	23
DEC 10...	81341	5.0	1.8	--	<1	3	<.020	<.030	<.020	35

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	1100	81341	.70	43	5.6	23.0	28.5	3.7	43	170
22...	0955	81213	4.2	40	--	19.5	23.5	5.6	61	80
29...	1030	81213	49	38	5.3	18.0	20.5	7.2	76	<20
NOV 13...	1020	81341	110	40	--	15.0	16.0	7.3	74	130
DEC 10...	1040	81341	48	57	4.4	12.5	22.5	7.2	68	230

OGEECHEE RIVER BASIN

02203514 CANOOCHEE CREEK NEAR HINESVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1520	81213	6.0	39	5.4	20.9	27.0	6.3	71
JUN 02...	0905	81213	55	36	4.6	27.2	31.0	4.1	53

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	MAGNE- ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 21...	81213	2.1	1.0	<1.0	<2.0	<.5	<1.0	<1.0
JUN 02...	81213	1.3	.60	<1.0	<2.0	<.5	1.3	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 21...	81213	<1.0	<2.0	<.1	<1.0	<2.0	6.8
JUN 02...	81213	<1.0	<2.0	<.1	<1.0	<2.0	11

OGEECHEE RIVER BASIN

02203519 CANOOCHEE RIVER AT RICHMOND HILL, GA.

LOCATION.--Lat 31°58'59", long 81°23'07", Bryan County, Hydrologic Unit 03060203, at downstream side of bridge on State Highway 67, 5.3 mi west of Richmond Hill, and 8.5 mi upstream from Ogeechee River.

PERIOD OF RECORD.--July 1978 to February 1994, January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0825	81341	6.41	90	86	6.7	6.8	23.5	21.0	5.1	60
NOV 13...	0820	81341	10.52	57	57	--	5.4	13.0	13.0	8.3	79
DEC 10...	0830	81341	12.12	53	50	5.4	5.3	10.5	16.5	8.9	81

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	80	2.0	<1.0	13	2	.550	<.030	.140	13
NOV 13...	81341	160	2.0	1.4	4	2	.030	<.030	.030	26
DEC 10...	81341	140	4.0	1.2	3	1	.040	<.030	.030	25

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0825	81341	6.41	90	6.7	23.5	21.0	5.1	60	50
22...	0810	81213	7.76	78	--	17.5	16.5	6.6	69	<20
29...	0835	81213	9.43	63	5.5	16.0	14.5	6.9	70	490
NOV 13...	0820	81341	10.52	57	--	13.0	13.0	8.3	79	270
DEC 10...	0830	81341	12.12	53	5.4	10.5	16.5	8.9	81	80

OGEECHEE RIVER BASIN

02203519 CANOOCHEE RIVER AT RICHMOND HILL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	1005	81213	6.70	81	6.9	17.7	20.5	6.3	66
JUN 02...	0805	81213	7.52	65	6.8	27.3	30.0	4.0	51

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 22...	81213	4.6	2.0	<1.0	<2.0	<.5	<1.0	<1.0
JUN 02...	81213	2.5	1.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 22...	81213	<1.0	<2.0	<.1	<1.0	<2.0	6.8
JUN 02...	81213	<1.0	<2.0	<.1	<1.0	<2.0	9.0

OGEECHEE RIVER BASIN

02203538 LITTLE OGEECHEE RIVER NEAR BURROUGHS, GA.

LOCATION.--Lat 32°00'25", long 81°14'20", Chatham County, Hydrologic Unit 03060204, at downstream side of bridge on U.S. Highway 17, 2.3 mi northeast of Burroughs and approximately 3 mi upstream from Salt Creek.

DRAINAGE AREA.--52.0 mi².

PERIOD OF RECORD.--January 1997 to June 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 02...	0815	81341	15.20	10400	10300	6.9	6.9	23.2	19.6	4.3	52
22...	1040	81341	13.15	4730	4450	6.8	6.6	17.4	23.0	6.3	66
NOV 20...	1200	81341	14.81	240	234	5.4	5.4	9.5	18.2	8.2	72
DEC 18...	1215	81341	15.51	300	300	6.0	5.9	9.1	17.5	8.3	72

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 02...	81341	14	1.4	--	48	29	.080	.160	.150	17
22...	81341	11	1.4	--	19	24	.030	.050	.080	23
NOV 20...	81341	6.0	1.6	26	5	5	<.020	.050	.040	30
DEC 18...	81341	10	1.1	24	7	10	.040	.060	.070	24

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 02...	0815	81341	15.20	10400	6.9	23.2	19.6	4.3	52	460
06...	0915	81213	13.48	10500	7.0	23.4	24.0	4.9	59	130
16...	1050	81213	16.79	24400	7.1	22.9	18.7	4.4	56	1300
22...	1040	81341	13.15	4730	6.8	17.4	23.0	6.3	66	790
NOV 20...	1200	81341	14.81	240	5.4	9.5	18.2	8.2	72	130
DEC 18...	1215	81341	15.51	300	6.0	9.1	17.5	8.3	72	330

OGEECHEE RIVER BASIN

02203538 LITTLE OGEECHEE RIVER NEAR BURROUGHS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	1050	81213	13.15	4730	6.8	17.4	23.0	6.3	67
JUN 02...	0620	81213	10.77	4390	7.0	28.6	27.0	4.2	55

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 22...	81213	31	85	<1.0	<2.0	.9	<1.0	<1.0
JUN 02...	81213	33	79	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 22...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.1
JUN 02...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.9

OGEECHEE RIVER BASIN

022035408 CASEY CANAL SOUTH AT SAVANNAH, GA.

LOCATION.--Lat 31°59'34", long 81°06'05", Chatham County, Hydrologic Unit 03060204, at downstream side of bridge on Montgomery Cross Road, at head of Vernon River and 6.1 mi south of Savannah Federal Court Building.

PERIOD OF RECORD.--January 1997 to February 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT											
02...	0910	81341	5.28	13100	12900	7.3	7.4	23.9	22.0	5.5	68
22...	1300	81341	5.49	17000	19500	7.3	7.4	19.0	23.5	4.3	50
NOV											
20...	1300	81341	5.38	8450	8600	7.4	7.4	11.5	17.9	7.3	69
DEC											
18...	1315	81341	5.70	7550	7530	7.3	7.4	10.1	19.1	8.5	77

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
02...	81341	5.0	1.9	--	88	16	.070	.180	.370	8.0
22...	81341	5.0	1.7	--	104	16	.120	.190	.270	7.0
NOV										
20...	81341	8.0	1.3	880	105	13	.100	.430	.700	8.0
DEC										
18...	81341	5.0	1.4	>600	75	8	.120	.160	.240	7.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
02...	0910	81341	5.28	13100	7.3	23.9	22.0	5.5	68	330
06...	0815	81213	4.79	2520	7.3	23.2	23.5	4.9	57	490
16...	1145	81213	5.87	21300	7.3	22.7	18.7	5.6	70	7900
22...	1300	81341	5.49	17000	7.3	19.0	23.5	4.3	50	230
NOV										
20...	1300	81341	5.38	8450	7.4	11.5	17.9	7.3	69	490
DEC										
18...	1315	81341	5.70	7550	7.3	10.1	19.1	8.5	77	940

OGEECHEE RIVER BASIN

022035408 CASEY CANAL SOUTH AT SAVANNAH, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	1305	81213	5.49	20500	7.3	19.0	23.5	4.4	51
FEB 25...	1450	81213	4.97	303	7.4	16.2	21.0	6.0	61

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 22...	81213	150	430	<1.0	2.6	<.5	<1.0	<1.0
FEB 25...	81213	35	4.0	<1.0	<2.0	<.5	2.1	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 22...	81213	<1.0	<2.0	<.1	<1.0	3.2	4.3
FEB 25...	81213	1.5	<2.0	<.1	1.5	<2.0	19

NORTH NEWPORT RIVER BASIN

02203559 PEACOCK CREEK AT MCINTOSH, GA.

LOCATION.--Lat 31°48'49", long 81°31'13", Liberty County, Hydrologic Unit 03060204, at culvert on county road 49, 0.4 mi southwest of U.S. Highway 82 and 0.9 mi south of McIntosh.

DRAINAGE AREA.--33 mi², approximately.

PERIOD OF RECORD.--September 1966 to August 1977, January 1997 to February 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	0935	81341	3.2	97	95	6.9	7.1	23.5	26.5	4.8	56
NOV 13...	0925	81341	120	50	50	--	5.7	13.0	16.5	7.5	72
DEC 10...	0940	81341	5.5	86	79	6.3	6.4	12.5	21.0	7.2	68

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	81341	5.0	<1.0	24	25	2	<.020	<.030	.080	9.0
NOV 13...	81341	14	3.0	14	5	15	.090	<.030	.070	24
DEC 10...	81341	5.0	1.9	--	16	3	.040	<.030	.050	27

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 15...	0935	81341	3.2	97	6.9	23.5	26.5	4.8	56	70
22...	0920	81213	6.8	79	--	16.0	18.5	6.2	63	20
29...	0935	81213	180	56	5.6	15.0	17.0	4.8	47	460
NOV 13...	0925	81341	120	50	--	13.0	16.5	7.5	72	7900
DEC 10...	0940	81341	5.5	86	6.3	12.5	21.0	7.2	68	170

NORTH NEWPORT RIVER BASIN

02203559 PEACOCK CREEK AT MCINTOSH, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	1610	81213	E7.0	87	6.5	20.2	26.5	7.6	84
FEB 25...	1110	81213	235	40	5.9	12.8	20.0	6.1	57

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 21...	81213	5.0	3.0	<1.0	<2.0	<.5	<1.0	<1.0
FEB 25...	81213	2.8	1.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 21...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.5
FEB 25...	81213	<1.0	<2.0	<.1	<1.0	<2.0	9.5

NORTH NEWPORT RIVER BASIN

02203578 NORTH NEWPORT RIVER AT HALFMOON LANDING, GA.

LOCATION.--Lat 31°40'39", long 81°18'05", Liberty County, Hydrologic Unit 03060204, at downstream side of dock at Halfmoon Landing, at mile 9.9.

DRAINAGE AREA.--157 mi².

PERIOD OF RECORD.--September 1966 to February 1994, January 1997 to December 1997 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1970 to September 1976.

pH: July 1970 to September 1976.

WATER TEMPERATURES: July 1970 to September 1976.

DISSOLVED OXYGEN: July 1970 to September 1976.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 45,500 microsiemens Nov. 29, 1975; minimum recorded, 5,650 microsiemens, Sept. 1, 1975.

pH: Maximum recorded, 8.1 units Mar. 24, 1975; minimum recorded, 6.5 units July 11, 12, 1971.

WATER TEMPERATURES: Maximum, 33.5°C Sept. 1, 2, 1970; minimum, 6.0°C Jan. 20-24, 1976.

DISSOLVED OXYGEN: Maximum recorded, 12.8 mg/L Feb. 13, 1973; minimum recorded, 1.4 mg/L July 30, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT											
02...	0715	81341	15.92	43500	42300	7.5	7.6	25.2	17.0	5.1	72
22...	0715	81341	--	43400	41600	7.4	7.6	20.9	15.0	5.7	75
NOV											
20...	1100	81341	14.77	34000	33900	7.6	7.6	14.2	15.0	8.2	90
DEC											
18...	1110	81341	16.36	33700	33300	7.6	7.6	10.9	12.5	9.4	97

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT											
02...	81341	20	20	<1.0	117	18000	54	.040	.080	.160	7.0
22...	81341	30	12	<1.0	127	15000	40	.030	.060	.110	7.0
NOV											
20...	81341	45	14	<1.0	102	12000	50	.020	.030	.080	9.0
DEC											
18...	81341	30	18	<1.0	94	13000	69	.030	.040	.070	7.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
02...	0715	81341	15.92	43500	7.5	25.2	17.0	5.1	72	<20
09...	0730	81213	--	41000	7.2	26.5	24.5	5.1	73	<20
16...	0950	81213	18.22	46300	7.4	24.9	17.3	4.9	70	<20
22...	0715	81341	--	43400	7.4	20.9	15.0	5.7	75	<20
NOV										
20...	1100	81341	14.77	34000	7.6	14.2	15.0	8.2	90	<20
DEC										
18...	1110	81341	16.36	33700	7.6	10.9	12.5	9.4	97	<20

SOUTH NEWPORT RIVER BASIN

02203592 SOUTH NEWPORT RIVER AT SOUTH NEWPORT, GA.

LOCATION.--Lat 31°38'37", long 81°23'36", Liberty-McIntosh County line, Hydrologic Unit 03060204, at downstream side of bridge on U.S. Highway 17, 0.4 mi north of South Newport and approximately 9 mi upstream from Cross Tide Creek.

PERIOD OF RECORD.--January 1997 to February 1998 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 02...	0615	81341	10.86	30400	29900	7.2	7.3	24.2	16.5	4.6	61
22...	0910	81341	10.49	37100	35800	7.2	7.4	18.5	16.5	8.5	104
NOV 20...	1000	81341	9.62	410	409	5.5	5.5	9.6	13.4	7.3	64
DEC 18...	1010	81341	12.65	125	128	5.4	5.3	8.6	11.8	7.4	63

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 02...	81341	9.0	1.5	95	24	.030	.150	.140	15
22...	81341	6.0	1.0	106	20	.020	.080	.090	12
NOV 20...	81341	8.0	1.5	5	5	<.020	<.030	.020	42
DEC 18...	81341	18	1.4	5	20	<.020	<.030	.030	30

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 02...	0615	81341	10.86	30400	7.2	24.2	16.5	4.6	61	490
09...	0830	81213	9.46	31700	7.1	25.1	26.0	4.5	60	<20
16...	0900	81213	14.60	40000	7.3	23.9	16.8	5.2	71	110
22...	0910	81341	10.49	37100	7.2	18.5	16.5	8.5	104	80
NOV 20...	1000	81341	9.62	410	5.5	9.6	13.4	7.3	64	50
DEC 18...	1010	81341	12.65	125	5.4	8.6	11.8	7.4	63	700

SOUTH NEWPORT RIVER BASIN

02203592 SOUTH NEWPORT RIVER AT SOUTH NEWPORT, GA.--Continued

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0915	81213	10.49	37100	7.2	18.5	16.5	8.5	104
FEB 25...	0840	81213	15.31	48	5.6	12.9	14.0	6.8	64

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 22...	81213	250	790	<1.0	2.1	.6	<1.0	<1.0
FEB 25...	81213	2.5	1.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 22...	81213	<1.0	14	<.1	<1.0	<2.0	3.7
FEB 25...	81213	<1.0	<2.0	<.1	<1.0	<2.0	10

ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.

LOCATION.--Lat 33°37'47", long 84°07'43", DeKalb-Rockdale County line, Hydrologic Unit 03070103, at downstream end of pier of bridge on Klondike Road, 1.1 mi south of State Highway 212, 1.2 mi downstream from Pole Bridge Creek, 5.8 mi southwest of Lithonia, and 8.6 mi downstream from Snapfinger Creek.

DRAINAGE AREA.--182 mi².

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 660.90 ft above sea level (levels from DeKalb County benchmark).

REMARKS.--Records good, except those for the period Feb. 16-17, which are fair. Streamflow includes some water diverted from the Chattahoochee River by DeKalb County and City of Atlanta for municipal supply.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 30, 1963 reached a stage of 11.80 ft, discharge 9,630 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and the maximum (*). Gage-height values shown are the values recorded by the water-stage recorder.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1715	5,580	9.79	Feb. 4	1815	7,550	10.83
Nov. 22	1045	5,000	9.46	Mar. 9	0115	*12,200	*12.89
Dec. 24	2100	6,840	10.47	Apr. 4	0515	5,960	10.00

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	568	226	226	272	364	460	962	288	214	139	109
2	143	263	196	217	272	317	323	449	242	159	129	278
3	133	200	194	214	3130	289	1640	393	224	150	124	215
4	131	165	608	209	6310	274	3710	453	214	147	119	154
5	127	155	258	206	1560	410	640	328	666	147	116	122
6	121	203	210	207	596	1130	452	292	327	141	114	112
7	121	257	189	1260	453	2310	373	343	244	137	112	110
8	118	167	189	1810	390	7020	355	400	212	150	111	116
9	113	158	279	467	342	6460	1480	291	202	305	299	104
10	116	151	293	330	312	864	526	301	200	195	377	101
11	114	147	245	279	339	583	401	331	232	148	154	101
12	114	149	195	256	330	477	355	271	198	160	132	100
13	113	450	187	257	278	423	325	251	201	228	129	101
14	110	479	198	271	265	379	553	242	185	156	543	99
15	109	246	229	740	255	357	513	236	178	138	333	94
16	109	198	183	874	e720	333	355	235	333	146	294	94
17	134	173	175	448	e1340	317	444	237	255	228	726	93
18	122	163	168	335	614	313	361	228	190	157	243	92
19	115	157	163	1300	402	314	1040	222	294	137	189	98
20	110	153	163	481	338	306	735	216	442	364	513	110
21	106	161	166	341	299	292	419	212	209	188	209	436
22	169	3100	655	400	461	283	1020	207	184	145	155	239
23	126	481	301	674	857	277	513	212	174	186	141	129
24	169	286	4140	359	411	269	379	203	167	147	136	110
25	443	224	2200	294	338	268	335	205	168	232	127	108
26	4350	203	530	269	306	263	309	200	160	221	123	104
27	1220	194	622	1810	1150	258	290	200	160	520	117	103
28	345	178	391	624	470	253	275	438	153	569	116	104
29	248	193	304	407	---	253	269	221	148	194	112	514
30	194	454	278	343	---	250	1120	1390	172	168	113	390
31	175	---	247	296	---	246	---	487	---	148	113	---
TOTAL	9992	10076	14382	16204	22810	26152	19970	10656	7022	6325	6358	4640
MEAN	322	336	464	523	815	844	666	344	234	204	205	155
MAX	4350	3100	4140	1810	6310	7020	3710	1390	666	569	726	514
MIN	106	147	163	206	255	246	269	200	148	137	111	92
CFSM	1.77	1.85	2.55	2.87	4.48	4.64	3.66	1.89	1.29	1.12	1.13	.85
IN.	2.04	2.06	2.94	3.31	4.66	5.35	4.08	2.18	1.44	1.29	1.30	.95

ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	262	307	325	424	493	477	334	277	242	290	233	242
MAX	852	712	817	840	1010	852	666	582	505	804	447	520
(WY)	1996	1993	1984	1990	1990	1990	1998	1984	1989	1994	1984	1992
MIN	68.0	122	112	144	170	165	127	124	84.4	77.9	101	82.9
(WY)	1988	1988	1989	1986	1986	1988	1986	1988	1988	1988	1988	1987
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1984 - 1998	
ANNUAL TOTAL	133153					154587						
ANNUAL MEAN	365					424					325	
HIGHEST ANNUAL MEAN											470	
LOWEST ANNUAL MEAN											159	
HIGHEST DAILY MEAN	5900					Mar 1					9870	
LOWEST DAILY MEAN	83					Sep 16					48	
ANNUAL SEVEN-DAY MINIMUM	84					Sep 16					53	
INSTANTANEOUS PEAK FLOW						12200					12500	
INSTANTANEOUS PEAK STAGE						a					b	
ANNUAL RUNOFF (CFSM)	2.00					2.33					1.78	
ANNUAL RUNOFF (INCHES)	27.22					31.60					24.23	
10 PERCENT EXCEEDS	614					646					561	
50 PERCENT EXCEEDS	200					244					189	
90 PERCENT EXCEEDS	113					116					100	

a 12.89 ft in gage stilling well, 13.65 ft from crest-stage gage.

b 13.03 ft in gage stilling well, 14.01 ft from floodmarks.

e Estimated

ALTAMAHA RIVER BASIN

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.

LOCATION.--Lat 33°29'04", long 83°57'29", Newton-Henry County line, Hydrologic Unit 03070103, at bridge on State Highway 81, 0.2 mi south of State Highway 212, and 0.5 mi upstream from Snapping Shoals Creek.

DRAINAGE AREA.--465 mi² 7 mi southeast of Snapping Shoals

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Streamflow includes some water diverted from the Chattahoochee River by DeKalb County and City of Atlanta for municipal supply. Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 08...	0730	81341	250	170	168	7.3	7.4	20.0	16.0	7.3	82
NOV 25...	1200	81341	365	122	121	7.2	7.1	9.0	12.5	10.1	88
DEC 11...	0845	81341	365	120	118	7.3	7.2	8.0	5.0	10.4	90
JAN 21...	0815	81341	460	82	78	6.9	7.1	6.0	3.0	9.7	80
FEB 03...	0840	81341	1200	91	87	6.9	7.1	9.0	8.0	8.3	74
MAR 05...	0830	81341	1200	101	100	7.2	7.0	11.0	9.0	7.9	73
APR 21...	0730	81341	1900	72	71	7.0	7.0	15.0	12.0	9.0	91
MAY 06...	0730	81341	1100	92	87	7.1	7.2	17.0	14.0	8.0	85
JUN 03...	0730	81341	530	122	123	7.1	7.3	25.0	24.0	6.6	82
JUL 15...	0730	81341	280	148	148	7.3	7.2	26.0	24.0	5.8	73
SEP 03...	0730	81341	200	220	196	7.0	7.6	24.0	23.0	7.0	86
30...	0730	81341	E1000	152	152	6.9	7.1	23.0	22.0	7.5	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)
OCT 08...	81341	7.0	12	<1.0	36	7
NOV 25...	81341	18	20	<1.0	28	13
DEC 11...	81341	13	10	<1.0	27	12
JAN 21...	81341	27	8	1.0	20	18
FEB 03...	81341	33	6	1.3	22	49
MAR 05...	81341	11	5	1.1	24	10
APR 21...	81341	46	14	2.2	17	51
MAY 06...	81341	17	9	<1.0	22	21
JUN 03...	81341	12	6	<1.0	29	15
JUL 15...	81341	10	10	2.4	34	10
SEP 03...	81341	11	14	<1.0	48	15
30...	81341	100	22	2.0	32	182

ALTAMAHA RIVER BASIN

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 08...	81341	1.90	<.030	--	.30	2.2	.080	4.0
NOV 25...	81341	1.06	.080	.32	.40	1.5	.060	2.0
DEC 11...	81341	1.00	.030	.27	.30	1.3	.040	3.0
JAN 21...	81341	.760	.030	.27	.30	1.1	.050	2.0
FEB 03...	81341	.850	<.030	--	.40	1.3	.080	2.0
MAR 05...	81341	.850	<.030	--	.20	1.0	.040	2.0
APR 21...	81341	.490	.140	.66	.80	1.3	.100	4.0
MAY 06...	81341	.760	<.030	--	.20	.96	.060	2.0
JUN 03...	81341	.830	<.030	--	.30	1.1	.060	3.0
JUL 15...	81341	1.40	<.030	--	.40	1.8	.070	3.0
SEP 03...	81341	2.11	<.030	--	.40	2.5	.090	3.0
30...	81341	1.54	.030	1.1	1.1	2.6	.320	4.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	0730	81341	250	170	7.3	20.0	16.0	7.3	82	170
NOV 25...	1200	81341	365	122	7.2	9.0	12.5	10.1	88	790
DEC 03...	1100	81213	360	114	7.3	11.0	14.0	9.7	89	50
11...	0845	81341	365	120	7.3	8.0	5.0	10.4	90	220
16...	1115	81213	370	133	7.4	6.0	11.0	11.2	91	110
JAN 04...	1200	81213	590	107	7.0	10.0	13.0	9.9	88	20
21...	0815	81341	460	82	6.9	6.0	3.0	9.7	80	840
25...	1130	81213	1100	91	6.9	8.0	3.0	8.6	74	170
FEB 03...	0840	81341	1200	91	6.9	9.0	8.0	8.3	74	490
MAY 06...	0730	81341	1100	92	7.1	17.0	14.0	8.0	85	630
11...	0730	81213	1000	103	7.1	19.5	14.0	7.7	87	230
18...	0730	81213	590	117	7.1	23.0	19.0	7.2	86	330
JUN 03...	0730	81341	530	122	7.1	25.0	24.0	6.6	82	3300
SEP 03...	0730	81341	200	220	7.0	24.0	23.0	7.0	86	230
15...	0830	81213	170	198	6.9	22.0	19.0	7.4	86	220
22...	0730	81213	200	217	6.8	24.0	24.0	7.0	85	50
30...	0730	81341	E1000	152	6.9	23.0	22.0	7.5	90	17000

ALTAMAHA RIVER BASIN

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 26...	1025	81213	1400	87	7.1	10.9	18.0	11	99

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 26...	81213	6.7	1.6	<1.0	<2.0	<.5	<1.0	2.9

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 26...	81213	1.1	<2.0	<.1	<1.0	<2.0	16

ALTAMAHA RIVER BASIN

02204810 SOUTH RIVER NEAR SNAPPING SHOALS, GA.

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

DRAINAGE AREA.--518 mi².

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 08...	0645	81341	270	178	170	6.9	7.0	18.0	16.0	8.4	90
NOV 25...	1120	81341	400	111	110	7.2	7.0	9.5	12.0	10.7	94
DEC 11...	0800	81341	400	115	111	6.9	7.0	7.5	4.5	11.0	94
JAN 21...	0745	81341	500	120	107	6.8	6.6	7.0	2.0	8.7	73
FEB 03...	0755	81341	1300	91	90	6.8	7.1	9.0	8.0	7.9	71
MAR 05...	0745	81341	1300	101	99	7.2	7.1	11.0	9.0	7.6	70
APR 21...	0650	81341	2100	70	69	6.9	6.9	14.5	12.5	8.7	87
MAY 06...	0650	81341	1200	79	82	7.1	7.1	16.0	13.0	8.1	84
JUN 03...	0650	81341	580	117	113	6.9	7.1	24.0	19.0	6.0	73
JUL 15...	0650	81341	310	150	147	6.9	6.8	25.0	21.0	5.4	67
SEP 03...	0645	81341	240	220	216	6.9	7.4	24.0	23.0	6.6	81
30...	0645	81341	E1100	116	131	6.9	7.1	23.0	21.0	7.1	85

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 08...	81341	10	2.6	44	44	7	1.73	.090	.060	2.0
NOV 25...	81341	16	<1.0	26	26	11	.880	.060	.060	2.0
DEC 11...	81341	12	1.1	40	27	9	.870	.060	.040	2.0
JAN 21...	81341	25	<1.0	40	38	18	.660	.210	.020	2.0
FEB 03...	81341	32	1.4	15	21	49	.850	.040	.050	2.0
MAR 05...	81341	11	1.0	23	23	9	.840	<.030	.030	2.0
APR 21...	81341	42	2.2	18	17	52	.480	.120	.090	4.0
MAY 06...	81341	19	<1.0	20	21	25	.710	<.030	.060	2.0
JUN 03...	81341	12	<1.0	28	29	13	.040	<.030	.060	3.0
JUL 15...	81341	10	<1.0	42	35	7	1.44	.060	.060	3.0
SEP 03...	81341	11	<1.0	62	47	12	2.10	<.030	.100	4.0
30...	81341	120	2.1	26	26	244	1.39	<.030	.270	4.0

ALTAMAHA RIVER BASIN

02204810 SOUTH RIVER NEAR SNAPPING SHOALS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	0645	81341	270	178	6.9	18.0	16.0	8.4	90	490
NOV 25...	1120	81341	400	111	7.2	9.5	12.0	10.7	94	490
DEC 03...	1015	81213	400	108	7.3	11.0	13.0	10.2	94	80
11...	0800	81341	400	115	6.9	7.5	4.5	11.0	94	230
16...	1030	81213	410	125	7.3	6.5	5.0	11.8	97	<20
JAN 04...	1120	81213	650	118	6.8	11.5	12.0	10.0	92	20
21...	0745	81341	500	120	6.8	7.0	2.0	8.7	73	110
25...	1015	81213	1200	86	6.8	8.0	2.0	8.2	70	310
FEB 03...	0755	81341	1300	91	6.8	9.0	8.0	7.9	71	1700
MAY 06...	0650	81341	1200	79	7.1	16.0	13.0	8.1	84	640
11...	0650	81213	1100	95	7.2	19.0	14.0	7.4	82	110
18...	0645	81213	650	110	7.0	22.0	19.0	6.7	78	20
JUN 03...	0650	81341	580	117	6.9	24.0	19.0	6.0	73	1100
SEP 03...	0645	81341	240	220	6.9	24.0	23.0	6.6	81	790
15...	0745	81213	190	186	6.8	22.0	19.0	6.9	80	70
22...	0645	81213	240	197	6.8	24.0	24.0	6.7	82	40
30...	0645	81341	E1100	116	6.9	23.0	21.0	7.1	85	13000

ALTAMAHA RIVER BASIN

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.

LOCATION.--Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, on left bank 40 ft downstream from McDaniels Bridge on Killian Hill Road, 3.2 mi west of Snellville, 4 mi downstream from Sweetwater Creek and 7.5 mi upstream from Stone Mountain Creek.

DRAINAGE AREA.--134 mi².

PERIOD OF RECORD.--October 1942 to September 1971. October 1987 to current year.

REVISED RECORDS.--WSP 1032: 1943(M), WSP 1112: 1944-45(M), WSP 1384: 1949(M), 1952(M), drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 806.14 ft above sea level (levels by the Georgia Department of Transportation). Prior to Nov. 4, 1952, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 2,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 22	1530	3,910	12.90	Apr. 3	2300	2,580	9.30
Feb. 4	2145	5,160	15.10	Apr. 9	1815	4,380	13.85
Mar. 8	2345	*8,430	*17.76				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	364	209	e190	218	283	428	879	260	368	100	115
2	125	317	159	e170	233	246	316	429	208	161	89	108
3	112	199	163	e160	1760	225	1160	325	166	126	85	119
4	102	148	551	e150	4390	214	1670	758	178	125	81	113
5	100	136	266	e160	2750	242	498	402	687	111	81	104
6	95	182	183	e270	871	459	314	290	328	107	79	102
7	91	212	158	e940	684	1440	254	273	193	104	74	107
8	89	151	e160	e1300	539	4410	233	1250	159	174	78	111
9	98	132	e190	e800	377	5330	3270	777	151	456	112	107
10	87	123	e200	e420	305	e1000	e1600	1210	325	164	159	80
11	85	118	e190	e280	306	e650	e350	744	224	118	104	80
12	85	138	e160	e250	287	e400	e250	377	177	121	87	84
13	85	526	e150	e240	244	e360	e220	284	184	223	81	84
14	83	467	e150	e230	223	e320	e400	244	144	117	739	87
15	83	252	e140	e540	210	e300	e360	217	135	108	1140	79
16	86	182	e130	e680	681	e280	e240	203	216	103	608	77
17	97	156	e130	e400	1200	e270	e350	198	218	112	872	78
18	98	148	e130	e270	715	e260	e240	198	147	100	383	75
19	95	144	e130	e680	387	e255	e700	177	480	89	310	77
20	94	140	e130	e390	315	e250	e650	174	475	102	1440	85
21	92	530	e130	e270	267	e240	e320	163	202	152	908	315
22	103	3170	e400	e330	363	e230	e940	150	152	150	434	182
23	87	1220	e280	e540	607	e220	e450	149	182	239	283	113
24	154	575	e1300	e290	358	e215	e350	146	167	174	187	96
25	210	328	e1400	e240	272	e210	289	145	138	162	165	92
26	1150	212	e540	e210	243	e205	249	148	122	170	156	88
27	1470	179	e680	e1300	760	e200	231	153	116	273	136	84
28	462	158	e330	e680	427	e195	218	163	112	268	129	83
29	237	162	e270	e390	---	e190	213	165	113	152	126	272
30	164	267	e240	e290	---	e185	800	803	200	118	111	249
31	145	---	e200	e250	---	180	---	523	---	105	126	---
TOTAL	6217	11036	9449	13310	19992	19464	17563	12117	6559	5052	9463	3446
MEAN	201	368	305	429	714	628	585	391	219	163	305	115
MAX	1470	3170	1400	1300	4390	5330	3270	1250	687	456	1440	315
MIN	83	118	130	150	210	180	213	145	112	89	74	75
CFSM	1.50	2.75	2.27	3.20	5.33	4.69	4.37	2.92	1.63	1.22	2.28	.86
IN.	1.73	3.06	2.62	3.70	5.55	5.40	4.88	3.36	1.82	1.40	2.63	.96

ALTAMAHA RIVER BASIN

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	110	162	187	278	334	362	285	187	146	136	106	96.0
MAX	737	675	571	712	778	836	744	415	396	581	399	300
(WY)	1996	1949	1993	1996	1961	1990	1964	1966	1994	1989	1994	1989
MIN	3.89	28.1	44.0	49.5	144	121	113	65.8	34.1	26.1	11.7	4.40
(WY)	1955	1955	1956	1956	1947	1955	1950	1988	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1943 - 1998			
ANNUAL TOTAL	111333				133668							
ANNUAL MEAN	305				366				198			
HIGHEST ANNUAL MEAN									383			
LOWEST ANNUAL MEAN									83.7			
HIGHEST DAILY MEAN	3920				5330				8600			
LOWEST DAILY MEAN	54				74				1.6			
ANNUAL SEVEN-DAY MINIMUM	59				80				1.9			
INSTANTANEOUS PEAK FLOW					8430				a12800			
INSTANTANEOUS PEAK STAGE					17.76				b19.75			
INSTANTANEOUS LOW FLOW					62				1.5			
ANNUAL RUNOFF (CFSM)	2.28				2.73				1.48			
ANNUAL RUNOFF (INCHES)	30.91				37.11				20.11			
10 PERCENT EXCEEDS	649				750				369			
50 PERCENT EXCEEDS	167				210				119			
90 PERCENT EXCEEDS	87				93				36			

a From rating curve extended above 6,600 ft³/s, on basis of contracted-opening measurement of peak flow.

b From crest-stage gage peak.

e Estimated

ALTAMAHA RIVER BASIN

02208005 YELLOW RIVER NEAR STEWART, GA.

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

DRAINAGE AREA.--440 mi².

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 08...	0530	81341	290	134	133	7.3	7.4	19.0	15.0	8.0	88
NOV 25...	1030	81341	1380	73	72	7.1	6.8	9.5	9.5	10.4	91
DEC 11...	0630	81341	780	93	90	7.2	7.1	8.0	4.0	10.6	92
JAN 27...	1115	81341	1380	75	70	7.4	7.0	8.2	7.5	10.4	90
FEB 03...	0650	81341	760	80	77	7.4	7.1	8.0	8.0	10.3	90
MAR 05...	0645	81341	860	79	78	7.2	6.8	10.0	9.0	9.4	85
APR 21...	0550	81341	2350	63	62	7.1	7.0	16.0	10.0	9.1	94
MAY 06...	0530	81341	1200	72	68	7.0	6.9	17.0	12.0	8.7	92
JUN 03...	0530	81341	620	87	87	6.9	7.0	25.0	19.0	7.1	88
JUL 15...	0545	81341	350	126	126	7.1	7.1	25.0	21.0	6.4	79
SEP 03...	0530	81341	330	124	122	6.8	7.3	25.0	23.0	6.4	80
30...	0530	81341	570	106	103	6.7	7.2	23.0	21.5	6.3	76

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)
OCT 08...	81341	10	10	<1.0	35	11
NOV 25...	81341	42	14	1.1	19	32
DEC 11...	81341	9.0	24	1.0	25	12
JAN 27...	81341	31	17	1.2	19	49
FEB 03...	81341	16	7	1.3	20	44
MAR 05...	81341	10	12	1.1	20	12
APR 21...	81341	50	13	1.6	16	72
MAY 06...	81341	40	13	<1.0	18	57
JUN 03...	81341	14	17	<1.0	14	22
JUL 15...	81341	9.0	9	<1.0	30	14
SEP 03...	81341	14	14	<1.0	29	22
30...	81341	29	8	<1.0	25	48

ALTAMAHA RIVER BASIN

02208005 YELLOW RIVER NEAR STEWART, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 08...	81341	1.03	<.030	--	.20	1.2	.020	2.0
NOV 25...	81341	.400	<.030	--	.40	.80	.060	3.0
DEC 11...	81341	.730	<.030	--	.20	.93	<.020	2.0
JAN 27...	81341	.590	.040	.36	.40	.99	.030	2.0
FEB 03...	81341	.760	.060	.24	.30	1.1	.030	2.0
MAR 05...	81341	.640	<.030	--	.20	.84	.020	2.0
APR 21...	81341	.440	<.030	--	.40	.84	.030	4.0
MAY 06...	81341	.520	<.030	--	.30	.82	.060	3.0
JUN 03...	81341	.650	.050	.25	.30	.95	.040	3.0
JUL 15...	81341	1.03	<.030	--	.30	1.3	.040	3.0
SEP 03...	81341	1.02	<.030	--	.30	1.3	.050	3.0
30...	81341	.780	<.030	--	.40	1.2	.060	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE PER (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	0530	81341	290	134	7.3	19.0	15.0	8.0	88	330
NOV 25...	1030	81341	1380	73	7.1	9.5	9.5	10.4	91	490
DEC 03...	0930	81213	660	95	7.3	11.0	12.0	9.9	91	110
11...	0630	81341	780	93	7.2	8.0	4.0	10.6	92	230
16...	1000	81213	630	102	7.3	6.0	2.0	11.3	92	790
JAN 04...	1010	81213	740	87	7.1	9.0	11.5	10.2	89	230
25...	0900	81213	1130	74	7.0	7.0	1.0	10.7	90	700
27...	1115	81341	1380	75	7.4	8.2	7.5	10.4	90	330
FEB 03...	0650	81341	760	80	7.4	8.0	8.0	10.3	90	770
MAY 06...	0530	81341	1200	72	7.0	17.0	12.0	8.7	92	790
11...	0545	81213	1550	74	7.1	19.0	14.0	8.2	91	230
18...	0530	81213	640	91	6.9	23.0	19.0	7.6	90	130
JUN 03...	0530	81341	620	87	6.9	25.0	19.0	7.1	88	330
SEP 03...	0530	81341	330	124	6.8	25.0	23.0	6.4	80	900
15...	0630	81213	280	137	6.7	22.0	19.0	6.3	73	490
22...	0530	81213	230	129	6.9	24.0	24.0	6.3	77	20
30...	0530	81341	570	106	6.7	23.0	21.5	6.3	76	3300

ALTAMAHA RIVER BASIN

02208005 YELLOW RIVER NEAR STEWART, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 27...	1110	81213	1380	76	7.4	8.2	7.5	10.4	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JAN 27...	81213	4.9	1.4	<1.0	<2.0	<.5	1.2	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JAN 27...	81213	1.9	<2.0	<.1	1.0	<2.0	9.8

ALTAMAHA RIVER BASIN

02208450 ALCOVY RIVER ABOVE COVINGTON, GA.

LOCATION.--Lat 33°38'24", long 83°46'45", Newton County, Hydrologic Unit 03070103, at bridge on Alcovy Road, 400 ft downstream from city of Covington water works intake structure, 200 ft downstream from Strouds Creek, 200 ft upstream from Georgia Railroad bridge, and 6 mi northeast of Covington.

DRAINAGE AREA.--185 mi², approximately, includes that of Strouds Creek.

PERIOD OF RECORD.--January 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 646.1 ft above sea level (leveling by Global Positioning System equipment). Prior to Oct. 1986, at site 400 ft upstream at same datum.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Discharge affected by diversions due to irrigation and by the city of Covington.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0500	3,070	11.19	Feb. 5	0300	4,660	12.59
Dec. 25	0500	3,050	11.17	Mar. 9	1600	*5,410	*13.10

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	260	272	344	394	538	349	775	589	111	87	77
2	201	270	250	309	369	450	374	881	456	108	79	76
3	146	290	224	290	667	406	518	729	301	107	72	95
4	124	252	267	278	2900	381	1020	596	252	102	67	148
5	111	205	303	269	4270	378	1510	583	316	96	62	117
6	106	189	291	264	2210	428	937	617	343	89	58	98
7	98	219	238	364	1070	585	638	489	314	85	57	91
8	92	218	215	1110	780	e1890	505	499	247	82	57	78
9	88	197	220	1160	624	e4800	545	792	216	86	67	69
10	83	186	232	942	536	e2900	954	1120	233	109	71	64
11	82	170	251	623	507	e1300	1290	742	249	96	86	62
12	82	154	243	449	480	e880	736	708	250	83	73	61
13	82	198	218	393	449	e710	539	589	219	85	70	60
14	79	332	206	371	412	e620	476	445	196	90	146	57
15	77	401	197	387	389	e545	518	385	181	86	196	56
16	76	350	183	470	514	e505	555	347	184	80	296	53
17	76	266	174	536	960	474	510	327	212	79	311	56
18	79	228	172	501	1080	454	485	310	230	80	224	56
19	87	208	168	496	955	455	494	292	206	78	214	58
20	84	189	164	566	730	443	633	275	208	76	163	61
21	77	181	160	580	551	425	712	262	272	76	232	72
22	78	230	195	471	485	404	745	252	242	75	613	108
23	79	531	244	520	544	386	752	243	180	82	482	111
24	87	980	1200	543	609	373	673	236	159	107	195	88
25	135	612	2590	501	607	377	578	229	144	108	138	74
26	897	351	1830	415	492	368	486	222	133	85	115	68
27	2380	274	1090	544	514	355	425	214	125	79	102	64
28	1190	241	728	738	551	346	389	224	118	104	92	64
29	799	228	565	785	---	338	368	254	113	113	85	68
30	410	268	451	620	---	332	473	328	117	105	79	89
31	277	---	389	455	---	328	---	584	---	101	77	---
TOTAL	8638	8678	13930	16294	24649	23174	19187	14549	7005	2843	4666	2299
MEAN	279	289	449	526	880	748	640	469	234	91.7	151	76.6
MAX	2380	980	2590	1160	4270	4800	1510	1120	589	113	613	148
MIN	76	154	160	264	369	328	349	214	113	75	57	53
CFSM	1.51	1.56	2.43	2.84	4.76	4.04	3.46	2.54	1.26	.50	.81	.41
IN.	1.74	1.74	2.80	3.28	4.96	4.66	3.86	2.93	1.41	.57	.94	.46

ALTAMAHA RIVER BASIN

02208450 ALCOVY RIVER ABOVE COVINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	170	203	278	375	428	466	358	248	170	137	149	127
MAX	731	604	750	643	880	886	804	585	356	483	450	440
(WY)	1996	1996	1984	1996	1998	1975	1973	1980	1975	1994	1994	1994
MIN	7.66	42.4	83.1	102	129	118	100	49.8	7.89	5.91	9.54	11.8
(WY)	1988	1982	1988	1981	1989	1988	1986	1988	1988	1986	1986	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1972 - 1998	
ANNUAL TOTAL	104552		145912		260	
ANNUAL MEAN	286		400		400	
HIGHEST ANNUAL MEAN					99.4	
LOWEST ANNUAL MEAN					1988	
HIGHEST DAILY MEAN	3210	Mar 1	4800	Mar 9	6470	Mar 18 1990
LOWEST DAILY MEAN	20	Sep 22	53	Sep 16	a.56	Jul 21 1986
ANNUAL SEVEN-DAY MINIMUM	23	Sep 18	57	Sep 13	.73	Jul 16 1986
INSTANTANEOUS PEAK FLOW			b5410	Mar 9	c7620	Mar 18 1992
INSTANTANEOUS PEAK STAGE			d13.1	Mar 9	14.79	Mar 16 1976
ANNUAL RUNOFF (CFSM)	1.55		2.16		1.40	
ANNUAL RUNOFF (INCHES)	21.02		29.34		19.06	
10 PERCENT EXCEEDS	555		748		524	
50 PERCENT EXCEEDS	201		266		171	
90 PERCENT EXCEEDS	71		77		55	

a Minimum daily discharge may have been less during a period of extensive diversion, June 19 through September 12, 1986.

b From discharge measurement.

c Gage height, 14.49 ft.

d From reconstructed gage height.

e Estimated

ALTAMAHA RIVER BASIN

02209260 ALCOVY RIVER ABOVE STEWART, GA.

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

DRAINAGE AREA.--250 mi², approximately.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 08...	0500	81341	5.39	55	54	7.1	7.2	19.0	15.0	8.6	94
NOV 25...	1000	81341	6.46	40	41	6.7	6.7	9.0	8.0	9.9	86
DEC 11...	0600	81341	5.77	49	48	7.2	6.9	7.0	4.0	11.2	95
JAN 21...	0630	81341	6.20	41	41	6.9	6.9	7.0	2.0	11.4	95
FEB 03...	0620	81341	6.18	42	42	6.9	6.9	8.0	8.0	11.2	98
MAR 05...	0620	81341	5.96	44	43	7.0	6.8	9.5	9.0	9.7	87
APR 21...	0515	81341	6.22	45	44	6.9	6.8	15.0	10.0	9.5	96
MAY 06...	0500	81341	6.12	44	40	6.9	6.8	16.5	11.5	9.1	95
JUN 03...	0500	81341	6.01	48	48	6.8	6.9	23.0	19.0	7.6	91
JUL 15...	0500	81341	5.20	56	56	7.1	7.1	25.0	21.0	6.1	76
SEP 03...	0500	81341	5.22	54	54	6.7	7.1	24.0	23.0	7.4	91
30...	0500	81341	5.19	56	55	6.7	7.1	22.0	21.5	7.9	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)
OCT 08...	81341	8.0	<1.0	19	5
NOV 25...	81341	52	2.9	12	38
DEC 11...	81341	6.0	<1.0	13	3
JAN 21...	81341	16	1.0	11	8
FEB 03...	81341	20	1.2	12	18
MAR 05...	81341	8.0	1.0	13	3
APR 21...	81341	16	1.3	15	15
MAY 06...	81341	13	<1.0	14	10
JUN 03...	81341	23	<1.0	14	21
JUL 15...	81341	8.0	<1.0	16	4
SEP 03...	81341	8.0	<1.0	19	4
30...	81341	9.0	<1.0	17	5

ALTAMAHA RIVER BASIN

02209260 ALCOVY RIVER ABOVE STEWART, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 09...	81341	.220	<.030	--	.20	.42	.020	3.0
NOV 25...	81341	.030	<.030	--	.60	.63	.080	6.0
DEC 11...	81341	.250	<.030	--	.20	.45	<.020	2.0
JAN 21...	81341	.250	<.030	--	.20	.45	<.020	2.0
FEB 03...	81341	.290	<.030	--	.20	.49	<.020	2.0
MAR 05...	81341	.240	<.030	--	.10	.34	<.020	2.0
APR 21...	81341	.220	.030	.27	.30	.52	<.020	4.0
MAY 06...	81341	.250	<.030	--	.20	.45	.030	2.0
JUN 03...	81341	.260	<.030	--	.30	.56	.040	4.0
JUL 15...	81341	.300	<.030	--	.20	.50	.030	3.0
SEP 03...	81341	.330	<.030	--	.20	.53	.020	3.0
30...	81341	.300	<.030	--	.20	.50	.020	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	0500	81341	5.39	55	7.1	19.0	15.0	8.6	94	80
NOV 25...	1000	81341	6.46	40	6.7	9.0	8.0	9.9	86	330
DEC 03...	0900	81213	5.79	48	7.1	10.5	10.0	10.2	93	50
11...	0600	81341	5.77	49	7.2	7.0	4.0	11.2	95	260
16...	0925	81213	5.70	49	7.2	5.5	-1.0	11.4	92	110
JAN 04...	0940	81213	5.80	44	7.1	7.5	11.5	11.3	95	20
21...	0630	81341	6.20	41	6.9	7.0	2.0	11.4	95	330
25...	0830	81213	6.18	42	6.9	7.0	1.0	11.3	95	310
FEB 03...	0620	81341	6.18	42	6.9	8.0	8.0	11.2	98	490
MAY 06...	0500	81341	6.12	44	6.9	16.5	11.5	9.1	95	80
11...	0515	81213	6.58	39	6.7	19.0	13.0	8.5	95	330
18...	0500	81213	5.80	50	6.9	22.0	19.0	8.0	93	50
JUN 03...	0500	81341	6.01	48	6.8	23.0	19.0	7.6	91	110
SEP 03...	0500	81341	5.22	54	6.7	24.0	23.0	7.4	91	230
15...	0600	81213	5.15	55	6.6	22.0	19.0	7.9	92	40
22...	0500	81213	5.27	54	6.7	23.0	24.0	7.7	92	20
30...	0500	81341	5.19	56	6.7	22.0	21.5	7.9	93	220

ALTAMAHA RIVER BASIN

02209260 ALCOVY RIVER ABOVE STEWART, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 26...	1310	81213	6.24	38	7.6	11.9	23.5	10.8	102

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 26...	81213	2.6	.90	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 26...	81213	<1.0	<2.0	<1	<1.0	<2.0	12

ALTAMAHA RIVER BASIN

02209750 TUSSAHAW CREEK NEAR JACKSON, GA.

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

DRAINAGE AREA.--59.2 mi².

PERIOD OF RECORD.--January 1997 to September 1997.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 08...	0600	81341	29	48	47	7.0	7.1	18.0	15.0	9.0	97
NOV 25...	0915	81341	61	47	47	6.9	6.8	6.5	2.5	11.0	90
DEC 11...	0700	81341	86	43	43	6.7	6.7	8.0	4.0	11.2	97
JAN 21...	0705	81341	120	37	55	6.8	6.6	6.5	2.0	11.7	97
FEB 03...	0715	81341	240	35	34	6.8	6.6	8.5	8.0	11.0	97
MAR 05...	0715	81341	105	37	36	6.8	6.6	10.0	9.0	9.5	86
APR 21...	0615	81341	130	38	38	6.7	6.7	14.0	10.0	9.7	96
MAY 06...	0600	81341	100	39	36	6.7	6.6	15.0	10.0	9.6	97
JUN 03...	0600	81341	47	42	45	6.8	7.0	22.0	18.0	8.0	94
JUL 15...	0615	81341	32	45	46	6.8	6.7	23.0	21.0	7.5	89
SEP 03...	0600	81341	25	45	45	6.6	6.8	23.0	23.0	7.5	90
30...	0600	81341	110	42	42	6.4	6.6	22.0	22.0	8.5	100

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB (MG/L AS CACO3) (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 08...	81341	11	<1.0	12	17	8	.220	<.030	<.020	1.0
NOV 25...	81341	7.0	<1.0	8	16	4	.190	<.030	<.020	1.0
DEC 11...	81341	13	<1.0	12	12	9	.210	<.030	<.020	2.0
JAN 21...	81341	10	1.4	--	10	--	.210	<.030	<.020	1.0
FEB 03...	81341	78	1.4	--	11	--	.250	.060	.030	2.0
MAR 05...	81341	12	1.0	--	8	--	.230	<.030	<.020	1.0
APR 21...	81341	20	<1.0	--	10	--	.200	.090	<.020	2.0
MAY 06...	81341	15	<1.0	--	11	--	.260	.060	.030	2.0
JUN 03...	81341	13	<1.0	--	14	--	.340	<.030	.030	2.0
JUL 15...	81341	16	<1.0	--	15	--	.280	.030	.030	2.0
SEP 03...	81341	11	<1.0	--	14	--	.270	<.030	.020	2.0
30...	81341	68	1.5	--	9	--	.300	<.030	.080	4.0

ALTAMAHA RIVER BASIN

02209750 TUSSAHAW CREEK NEAR JACKSON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	0600	81341	29	48	7.0	18.0	15.0	9.0	97	790
NOV 25...	0915	81341	61	47	6.9	6.5	2.5	11.0	90	330
DEC 03...	0830	81213	72	45	6.9	10.0	9.0	10.1	91	130
11...	0700	81341	86	43	6.7	8.0	4.0	11.2	97	250
16...	0840	81213	80	44	6.9	4.5	-4.5	11.6	91	<20
JAN 04...	1040	81213	86	41	6.9	9.0	12.0	10.2	89	20
21...	0705	81341	120	37	6.8	6.5	2.0	11.7	97	210
25...	0940	81213	115	38	6.7	6.0	1.0	11.6	95	50
FEB 03...	0715	81341	240	35	6.8	8.5	8.0	11.0	97	330
MAY 06...	0600	81341	100	39	6.7	15.0	10.0	9.6	97	230
11...	0615	81213	96	40	6.8	18.0	14.0	9.0	98	490
18...	0600	81213	72	41	6.8	20.0	19.0	8.6	96	170
JUN 03...	0600	81341	47	42	6.8	22.0	18.0	8.0	94	330
SEP 03...	0600	81341	25	45	6.6	23.0	23.0	7.5	90	2200
15...	0700	81213	21	44	6.6	20.5	19.0	8.6	97	330
22...	0600	81213	46	44	6.6	22.0	24.0	8.4	98	270
30...	0600	81341	110	42	6.4	22.0	22.0	8.5	100	7000

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 26...	1435	81213	118	36	6.8	12.0	24.0	10.6	100

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 26...	81213	2.2	1.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 26...	81213	<1.0	<2.0	<.1	<1.0	<2.0	34

ALTAMAHA RIVER BASIN

02210500 OCMULGEE RIVER NEAR JACKSON, GA.

LOCATION.--Lat 33°18'27", long 83°50'18", Butts-Jasper County line, Hydrologic Unit 03070103, on right bank 500 ft upstream from bridge on State Highway 16, 0.5 mi upstream from Yellow Water Creek, 1 mi downstream from Lloyd Shoals Dam, and 7 mi east of Jackson.

DRAINAGE AREA.--1,420 mi², approximately.

PERIOD OF RECORD.--May 1906 to September 1915, August 1939 to September 1960, October 1975 to September 1982, March 1987 to current year.

GAGE.--Water stage recorder. Datum of gage is 419.29 ft above sea level. Prior to Jan. 1, 1913, staff gages; Jan. 1 to Dec. 31, 1913, water-stage recorder; Jan. 1, 1914 to Dec. 31, 1915, staff gage; and Aug. 1, 1939 to Sept. 30, 1960 and Oct. 1, 1975 to Sept. 30, 1982, water-stage recorder, all at present site and datum.

REMARKS.--Records good. Flow regulated by Lloyd Shoals Reservoir since November 1910 (see "Lakes and Reservoirs in the Altamaha River Basin," station 02210000).

AVERAGE DISCHARGE.--48 years (1907-15, 1940-60, 1976-82, 1988-98), 1,822 ft³/s, 17.43 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 26.8 ft, Dec. 11, 1919, from graph based on gage readings, discharge, 69,000 ft³/s, by computation of flow over dam.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2000	2460	2560	3100	3910	4570	1600	3480	3160	807	917	649
2	1610	2580	2470	2850	3640	3920	2610	4520	2360	800	824	617
3	896	2480	2380	2600	4000	3440	3230	4790	2190	934	828	1540
4	372	2040	2320	2430	20100	3550	11400	4550	1530	1110	520	1090
5	373	1770	2380	2350	26300	3650	11700	4620	2330	1200	512	1350
6	537	1720	2370	2290	19500	3980	8860	4550	2980	1120	802	557
7	794	1550	2310	2190	13300	5400	5290	4360	2790	921	521	509
8	771	1420	2240	3810	7830	22300	4080	3330	882	724	532	817
9	812	1410	2210	6050	4490	38600	4680	2890	1040	909	536	709
10	686	1390	2190	5910	4270	34900	4710	2960	1490	1500	1120	716
11	579	1370	2170	4770	4020	19100	5010	3000	1270	920	1010	507
12	532	1350	2160	3960	3750	10700	5370	3040	1580	1410	985	519
13	521	1400	2090	3510	3590	5770	5030	2990	1280	937	818	512
14	497	1880	2060	3310	3380	4710	4510	2940	1330	927	1390	512
15	683	2110	2000	3380	3180	4390	3990	2260	1090	530	2990	937
16	719	2230	1970	3730	3400	4080	3980	1740	1070	1090	2950	518
17	648	2150	1910	4200	5500	3790	3860	1570	1290	533	2940	513
18	572	2010	1860	4140	7850	3590	3710	2740	1290	1100	2940	514
19	567	1920	1790	4040	7160	3510	3720	1410	1550	956	1950	516
20	671	1750	1740	4640	5840	3410	4180	1690	1860	513	3330	516
21	714	1670	1680	4700	4890	3120	4720	1330	1860	1010	4600	1460
22	534	1660	1720	4260	4250	3020	4930	1040	1150	534	3440	975
23	672	3460	1870	4300	4260	2210	4830	1510	1180	732	2990	1520
24	976	4910	6030	4280	4500	1620	4720	1490	1310	528	1860	908
25	1180	4650	27000	4020	4350	1600	4490	1310	1160	907	1130	509
26	9070	3760	17400	3810	4080	1460	4210	1370	894	1000	1010	592
27	21300	2870	10000	3830	4080	1490	3940	1520	533	1110	996	816
28	14100	2310	5700	4650	4630	1640	3700	1380	530	1590	653	914
29	5160	2700	4100	5120	---	1640	2130	1200	1010	2530	529	2280
30	2600	2610	3570	4850	---	1450	966	1600	803	1010	532	1930
31	2550	---	3350	4340	---	1600	---	2320	---	1110	904	---
TOTAL	73696	67590	125600	121420	190050	208210	140156	79500	44792	31002	47059	26022
MEAN	2377	2253	4052	3917	6788	6716	4672	2565	1493	1000	1518	867
MAX	21300	4910	27000	6050	26300	38600	11700	4790	3160	2530	4600	2280
MIN	372	1350	1680	2190	3180	1450	966	1040	530	513	512	507

ALTAMAHA RIVER BASIN

02210500 OCMULGEE RIVER NEAR JACKSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1127	1422	1685	2403	2855	3490	2460	1676	1276	1266	1014	933
MAX	4805	7493	4427	6735	6788	7434	5949	4073	4496	7089	3002	2842
(WY)	1996	1949	1993	1946	1998	1952	1979	1980	1912	1994	1994	1994
MIN	119	98.6	370	593	910	906	986	655	308	155	253	340
(WY)	1955	1955	1955	1956	1941	1988	1954	1988	1988	1988	1988	1954
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1911 - 1998	
ANNUAL TOTAL	861141					1155097						
ANNUAL MEAN	2359					3165					1800	
HIGHEST ANNUAL MEAN	†2366					†3163					3165	
LOWEST ANNUAL MEAN											866	
HIGHEST DAILY MEAN	27000					38600					62900	
LOWEST DAILY MEAN	299					372					18	
ANNUAL SEVEN-DAY MINIMUM	302					574					75	
INSTANTANEOUS PEAK FLOW						40800					68500	
INSTANTANEOUS PEAK STAGE						19.27					26.87	
ANNUAL RUNOFF (CFSM)	1.66					2.23					1.27	
ANNUAL RUNOFF (INCHES)	22.56					†22.63					17.22	
10 PERCENT EXCEEDS	4140					4920					3170	
50 PERCENT EXCEEDS	1650					2110					1160	
90 PERCENT EXCEEDS	470					587					518	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1910, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1659	1166	1923	1930	4235	3595	2512	1810	2234	1788	1763	1199
MAX	4009	1462	2642	2818	6163	6015	3740	2231	4069	2630	2555	2026
(WY)	1907	1908	1908	1908	1908	1909	1908	1909	1906	1910	1909	1906
MIN	520	953	1295	1601	2986	2328	1852	1345	1485	1038	819	903
(WY)	1908	1910	1910	1910	1907	1907	1907	1907	1907	1907	1910	1910

SUMMARY STATISTICS WATER YEARS 1906 - 1910

ANNUAL MEAN	2069	
HIGHEST ANNUAL MEAN	2442	1908
LOWEST ANNUAL MEAN	1702	1910
HIGHEST DAILY MEAN	25400	Jun 13 1906
LOWEST DAILY MEAN	300	Sep 2 1907
ANNUAL SEVEN-DAY MINIMUM	412	Oct 17 1907
ANNUAL RUNOFF (CFSM)	1.46	
ANNUAL RUNOFF (INCHES)	19.79	
10 PERCENT EXCEEDS	3870	
50 PERCENT EXCEEDS	1420	
90 PERCENT EXCEEDS	670	

† Adjusted for change in contents in Lloyd Shoals Reservoir.

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA

LOCATION.--Lat 33°05'59", long 83°43'25", Jones County, Hydrologic Unit 03070103, on left bank 300 ft upstream from bridge on County Road 1432, 4 mi upstream from Caney Creek, and 5.1 mi east of Juliette.

DRAINAGE AREA.--72.2 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 366.52 ft above sea level (leveling by global positioning system equipment).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0615	1,140	10.23	Mar. 8	2100	*5,060	*19.66
Dec. 24	2130	4,190	18.31	Apr. 14	1900	1,970	13.52
Jan. 8	0730	2,150	14.05	May 4	0800	1,120	10.12
Feb. 4	1215	2,690	15.46				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	67	150	64	69	73	52	164	18	7.3	5.9	1.1
2	22	202	82	59	64	60	50	87	16	7.2	5.2	1.0
3	17	127	60	57	746	52	222	89	15	7.9	4.3	53
4	14	66	60	52	2340	48	373	769	14	8.9	3.8	69
5	12	47	54	49	746	363	144	231	19	8.6	3.4	23
6	11	39	45	47	280	773	89	105	30	8.0	2.9	14
7	10	49	40	295	176	598	70	75	25	7.3	2.7	11
8	9.2	44	38	1530	122	2610	63	159	19	7.0	3.4	9.2
9	8.6	36	139	359	90	2480	115	108	17	7.0	4.7	8.5
10	8.5	32	149	168	73	440	95	68	17	6.9	4.8	8.2
11	8.1	28	104	105	70	258	67	55	16	6.3	4.5	8.2
12	7.8	28	95	81	69	174	55	50	15	316	3.9	7.8
13	7.5	162	78	71	58	138	50	42	14	152	3.6	7.6
14	7.3	526	84	93	51	121	850	38	13	32	6.7	7.2
15	7.5	239	114	473	47	100	669	37	12	17	15	6.6
16	7.8	109	83	524	140	82	244	33	12	13	9.3	6.5
17	7.8	71	64	243	538	74	136	32	12	11	7.3	6.4
18	8.2	57	54	134	308	72	106	29	12	9.6	6.2	6.4
19	8.8	48	47	353	154	102	127	28	13	8.1	6.2	7.3
20	8.5	42	42	269	100	87	261	26	20	7.8	8.2	7.7
21	8.0	39	38	138	75	70	120	24	17	7.8	8.7	12
22	9.1	71	137	117	102	62	91	23	14	6.5	5.8	20
23	9.8	70	160	208	353	57	95	22	13	6.3	4.6	13
24	12	52	2130	138	200	56	88	21	14	6.6	3.9	10
25	22	42	1750	94	112	56	65	21	12	6.0	3.3	8.8
26	461	37	349	75	82	53	54	20	11	5.3	2.7	7.9
27	741	34	251	501	113	51	47	19	10	5.3	2.2	7.5
28	170	37	185	354	103	49	43	19	9.3	6.6	1.9	7.9
29	79	41	135	158	---	47	44	18	8.7	6.7	1.6	9.9
30	53	241	99	105	---	45	68	18	7.9	6.1	1.3	24
31	40	---	77	81	---	46	---	18	---	6.0	1.2	---
TOTAL	1828.5	2683	6893	6995	7381	9297	4553	2448	445.9	718.1	149.2	390.7
MEAN	59.0	89.4	222	226	264	300	152	79.0	14.9	23.2	4.81	13.0
MAX	741	526	2130	1530	2340	2610	850	769	30	316	15	69
MIN	7.3	28	38	47	47	45	43	18	7.9	5.3	1.2	1.0
CFSM	.82	1.24	3.08	3.13	3.65	4.15	2.10	1.09	.21	.32	.07	.18
IN.	.94	1.38	3.55	3.60	3.80	4.79	2.35	1.26	.23	.37	.08	.20

ALTAMAHA RIVER BASIN

02212950 OCMULGEE RIVER ABOVE MACON, GA.

LOCATION.--Lat 32°52'11", long 83°39'15", Bibb County, Hydrologic Unit 03070103, at Macon waterworks intake, 1.2 mi north of Macon city limits, 3.0 mi downstream from Town Creek, and at mile 201.

DRAINAGE AREA.--2,240 mi², approximately.

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

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge obtained from gaging station 02213000, Ocmulgee River at Macon, Ga. Flow regulated by Lloyd Shoals Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", station 02210000).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	0845	81341	4890	69	68	7.0	7.0	16.0	11.0	8.9	91
NOV 20...	0840	81341	2580	88	86	7.3	7.2	10.5	4.0	9.4	85
DEC 11...	0830	81341	3710	86	83	7.2	7.1	10.0	6.5	10.4	93
FEB 12...	0930	81341	5960	52	46	6.8	6.5	9.0	11.0	9.6	84
19...	0815	81341	11600	57	60	6.9	7.0	9.0	6.0	9.5	83
MAR 18...	0830	81341	6100	52	49	6.9	6.6	10.0	9.0	9.6	86
APR 01...	0830	81341	3180	71	69	7.2	7.2	18.0	21.0	8.2	88
MAY 13...	0730	81341	4320	68	67	7.2	7.0	19.5	14.5	8.0	88
JUN 10...	0730	81341	976	90	89	7.2	7.3	26.5	24.5	5.0	63
JUL 08...	0730	81341	834	97	97	7.2	7.3	29.0	26.0	3.7	49
AUG 26...	0730	81341	1120	86	87	6.6	6.8	27.5	22.0	4.7	61
SEP 08...	0700	81341	760	100	104	6.6	7.0	28.0	23.0	4.3	56

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
OCT 30...	81341	69	24	1.1	19	61
NOV 20...	81341	14	7	1.1	23	8
DEC 11...	81341	20	13	<1.0	22	9
FEB 12...	81341	31	9	<1.0	11	5
19...	81341	39	11	<1.0	13	41
MAR 18...	81341	37	13	<1.0	14	17
APR 01...	81341	10	10	<1.0	16	9
MAY 13...	81341	11	8	<1.0	16	12
JUN 10...	81341	7.0	<5	<1.0	25	22
JUL 08...	81341	2.0	8	<1.0	28	7
AUG 26...	81341	17	5	<1.0	21	13
SEP 08...	81341	4.0	8	<1.0	20	2

ALTAMAHA RIVER BASIN

02212950 OCMULGEE RIVER ABOVE MACON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE		AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
30...		81341	.300	<.030	--	.50	.80	.040	4.0
NOV									
20...		81341	.460	<.030	--	.20	.66	.020	3.0
DEC									
11...		81341	.400	<.030	--	.20	.60	.020	2.0
FEB									
12...		81341	.310	<.030	--	.30	.61	.020	3.0
19...		81341	.430	.030	.27	.30	.73	.020	3.0
MAR									
18...		81341	.470	.040	.16	.20	.67	.030	3.0
APR									
01...		81341	.390	<.030	--	.20	.59	.020	2.0
MAY									
13...		81341	.400	<.030	--	.20	.60	.030	3.0
JUN									
10...		81341	.390	<.030	--	.20	.59	.030	2.0
JUL									
08...		81341	.320	<.030	--	.20	.52	<.020	3.0
AUG									
26...		81341	.410	<.030	--	.20	.61	.030	3.0
SEP									
08...		81341	.330	<.030	--	.20	.53	.090	3.0

DATE		TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT											
30...		0845	81341	4890	69	7.0	16.0	11.0	8.9	91	790
NOV											
05...		0840	81213	2830	70	7.2	13.5	7.5	9.2	89	70
09...		1055	81213	1940	81	7.3	13.0	14.5	9.8	94	230
20...		0840	81341	2580	88	7.3	10.5	4.0	9.4	85	130
DEC											
11...		0830	81341	3710	86	7.2	10.0	6.5	10.4	93	80
JAN											
28...		0900	81213	8250	58	7.1	8.3	7.8	11.8	101	330
FEB											
12...		0930	81341	5960	52	6.8	9.0	11.0	9.6	84	230
17...		0900	81341	12900	44	6.9	11.5	17.5	8.7	82	1800
19...		0815	81341	11600	57	6.9	9.0	6.0	9.5	83	490
MAY											
13...		0730	81341	4320	68	7.2	19.5	14.5	8.0	88	80
20...		0745	81213	2440	73	7.2	23.0	22.0	6.5	77	<20
27...		0800	81213	1780	78	7.1	26.0	25.0	5.4	67	70
JUN											
10...		0730	81341	976	90	7.2	26.5	24.5	5.0	63	<20
AUG											
26...		0730	81341	1120	86	6.6	27.5	22.0	4.7	61	130
31...		0800	81213	659	99	6.7	29.0	23.0	4.1	54	130
SEP											
08...		0700	81341	760	100	6.6	28.0	23.0	4.3	56	<35
23...		0700	81213	1830	98	6.9	26.5	22.5	5.0	63	170

ALTAMAHA RIVER BASIN

02213000 OCMULGEE RIVER AT MACON, GA.

LOCATION.--Lat 32°50'19", long 83°37'14", Bibb County, Hydrologic Unit 03070103, at downstream end of right pier of Fifth Street Bridge in Macon, 1.5 mi upstream from Walnut Creek, and at mile 198.0.

DRAINAGE AREA.--2,240 mi², approximately.

PERIOD OF RECORD.--February 1893 to July 1912, August 1912 to December 1913 (gage heights and discharge measurements only), October 1928 to current year. Gage height records collected at same site since 1895 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 1504: 1893-1903, 1905-10, 1932, 1937, 1942(M).

GAGE.--Water-stage recorder. Datum of gage is 269.80 ft above sea level. Prior to Oct. 9, 1905, nonrecording gage at site within 1.5 mi downstream at about same datum. Oct. 9, 1905 to Dec. 31, 1913, nonrecording gage at present site and datum. Jan. 10, 1929 to June 25, 1934, water-stage recorder at site 500 ft downstream at same datum. June 25, 1934 to June 25, 1973, water-stage recorder at present site and datum, and June 26, 1973 to Oct. 13, 1974, nonrecording gage at present site and datum.

REMARKS.--Records fair. Flow regulated by Lloyd Shoals Reservoir since November 1910; records of reservoir contents not available prior to October 1929 (See "Lakes and Reservoir in Altamaha River Basin", station 02210000). Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey. Minimum gage height observed during the period of record was -1.0 ft Oct. 5, 1924, at site and datum then in use.

AVERAGE DISCHARGE.--88 years (water years 1894-1911, 1929-98), 2,742 ft³/s, 16.62 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 19, 1925, reached a stage of 26.0 ft, from floodmarks at Central of Georgia Railroad bridge, 500 ft downstream, discharge 72,500 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 28	1000	21,100	20.63	Mar. 9	2100	*65,600	*27.90
Dec. 26	0300	37,800	23.53	Apr. 5	0745	15,400	18.69
Feb. 5	1530	36,900	23.42	Apr. 15	0130	14,700	18.43

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4110	3510	4770	4890	5890	7120	3210	4600	2960	866	1130	984
2	2080	5210	4030	4490	5470	6490	3200	6740	3610	869	943	790
3	1830	5590	3460	4180	9410	5600	5160	6870	2870	877	795	1750
4	1110	3850	3260	3890	23800	5210	8480	8770	2330	1020	798	2840
5	658	2800	3210	3710	34900	5970	15000	7750	2090	1200	580	1850
6	622	2400	3170	3590	31600	11300	12300	6680	3450	1310	394	1770
7	736	2340	3050	4250	21900	12500	9330	6150	3640	1170	672	968
8	1000	2110	2950	10500	13600	23700	6450	6170	2910	1100	498	753
9	989	1930	3410	9010	8530	55300	6770	5520	1400	939	703	960
10	1020	1840	3780	8700	6580	58100	7400	4950	1430	999	607	901
11	906	1770	3640	7370	6180	39700	6640	4580	1870	1500	1120	897
12	777	1790	3470	6180	5930	21500	6650	4400	1630	1390	1000	676
13	725	2540	3240	5440	5590	11700	6590	4290	1920	1940	975	667
14	694	6390	3220	5220	5290	8100	8020	4140	1550	1150	855	654
15	665	6510	3690	6910	4970	7370	12100	4010	1630	1010	1950	645
16	822	4360	3440	8780	5370	6830	7980	2840	1390	674	3360	1010
17	918	3510	3070	7530	12500	6430	6730	2660	1380	1260	3140	683
18	864	3150	2850	6830	12900	6140	6510	3240	1590	791	3060	639
19	795	2780	2670	7190	11300	6240	5870	3040	1620	1140	3100	652
20	764	2550	2540	7770	9320	6070	7100	2190	2440	1000	2290	660
21	828	2370	2410	7320	7690	5510	6890	2420	2520	750	6530	724
22	925	2880	2850	6790	6790	5180	6860	2080	1940	1090	5530	1980
23	758	2830	3390	7040	7690	4930	6520	1690	1490	665	3840	1450
24	970	4680	15500	6840	7610	3950	6300	2060	1410	763	3410	1760
25	1310	5800	32000	6280	6950	3630	5940	2070	1540	597	1930	1090
26	3290	5060	35300	5780	6490	3530	5500	1880	1360	861	1400	724
27	17500	4420	20200	7220	6480	3290	5110	1920	1080	965	1260	740
28	20200	3270	11300	8180	7170	3260	4730	2090	703	1130	1200	929
29	12800	3410	7260	7580	---	3350	4480	1840	631	2180	847	1130
30	4850	4940	5990	7150	---	3280	2740	1720	1060	2320	686	3000
31	3560	---	5360	6480	---	3050	---	2390	---	1180	652	---
TOTAL	89076	106590	208480	203090	297900	354330	206560	121750	57444	34706	55255	34276
MEAN	2873	3553	6725	6551	10640	11430	6885	3927	1915	1120	1782	1143
MAX	20200	6510	35300	10500	34900	58100	15000	8770	3640	2320	6530	3000
MIN	622	1770	2410	3590	4970	3050	2740	1690	631	597	394	639

ALTAMAHA RIVER BASIN

02213000 OCMULGEE RIVER AT MACON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1445	1756	2637	3843	4666	5500	4259	2644	1863	1796	1508	1164
MAX	6405	9624	7222	11880	10640	16370	14610	7305	7142	12880	5054	3886
(WY)	1930	1949	1984	1936	1998	1929	1936	1964	1912	1994	1994	1994
MIN	165	186	618	750	1168	1319	972	581	301	214	299	365
(WY)	1955	1955	1955	1981	1938	1988	1986	1986	1988	1988	1988	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1911 - 1998			
ANNUAL TOTAL	1176290				1769457							
ANNUAL MEAN	3223				4848				2719			
HIGHEST ANNUAL MEAN	†3230				†4846				4848			
LOWEST ANNUAL MEAN									1122			
HIGHEST DAILY MEAN	35300				58100				97000			
LOWEST DAILY MEAN	267				394				128			
ANNUAL SEVEN-DAY MINIMUM	282				607				139			
INSTANTANEOUS PEAK FLOW					65600				107000			
INSTANTANEOUS PEAK STAGE					27.90				35.40			
ANNUAL RUNOFF (CFSM)	1.44				†1.44				1.21			
ANNUAL RUNOFF (INCHES)	19.53				†19.58				16.49			
10 PERCENT EXCEEDS	6310				8500				5300			
50 PERCENT EXCEEDS	2070				3220				1700			
90 PERCENT EXCEEDS	664				785				670			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1893 - 1910, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1681	1581	2575	2902	4992	4956	3622	2111	2388	2569	2509	1978
MAX	5412	3501	4936	6196	8965	10180	6967	3301	6665	8180	4334	5721
(WY)	1899	1899	1908	1906	1903	1902	1908	1908	1900	1896	1898	1898
MIN	300	602	1059	1298	964	1262	1449	908	653	772	1071	533
(WY)	1905	1905	1898	1898	1898	1898	1896	1898	1898	1904	1899	1905

SUMMARY STATISTICS WATER YEARS 1893 - 1910

ANNUAL MEAN	2834
HIGHEST ANNUAL MEAN	3818
LOWEST ANNUAL MEAN	1500
HIGHEST DAILY MEAN	53300
LOWEST DAILY MEAN	250
ANNUAL SEVEN-DAY MINIMUM	267
ANNUAL RUNOFF (CFSM)	1.27
ANNUAL RUNOFF (INCHES)	17.19
10 PERCENT EXCEEDS	5490
50 PERCENT EXCEEDS	1860
90 PERCENT EXCEEDS	830

† Adjusted for change in contents in Lloyd Shoals Reservoir.

ALTAMAHA RIVER BASIN

02213500 TOBESOFKEE CREEK NEAR MACON, GA.

LOCATION.--Lat 32°48'32", long 83°45'30", Bibb County, Hydrologic Unit 03070103, on right bank at downstream end of pier of bridge on State Highway 22 connector, 8 mi west of Macon, and 14 mi upstream from mouth.

DRAINAGE AREA.--182 mi².

PERIOD OF RECORD.--April 1937 to current year.

REVISED RECORDS.--WSP 1204: 1942.

GAGE.--Water-stage recorder. Datum of gage is 309.98 ft above sea level. Prior to Aug. 28, 1942, nonrecording gage at same site and datum.

REMARKS.--Records good to fair, except those for estimated daily discharge, which are poor. Flow regulated to some extent since November 1967 by Lake Tobesofkee about 1 mi upstream. Records of chemical analyses for the water years 1969-70 are published in reports of the U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 24	1530	5,510	17.72	Feb. 17	1445	4,100	15.07
Jan. 7	2100	1,910	8.78	Mar. 9	1515	*6,280	*18.83
Jan. 15	1545	3,190	12.83	Apr. 4	0715	2,210	9.95
Feb. 4	1200	6,090	18.57	Apr. 18	0100	1,940	8.89

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	128	431	189	343	375	233	353	45	75	e38	30
2	59	210	86	266	184	286	234	344	53	73	e34	60
3	50	110	319	208	1880	260	245	439	121	67	e30	858
4	47	94	122	182	3620	250	1010	814	257	58	e27	195
5	43	87	100	181	1910	321	170	341	190	53	e30	21
6	40	82	101	171	1010	697	252	215	145	49	e33	19
7	41	83	120	937	629	1390	420	246	98	45	e28	19
8	43	84	119	1410	492	3450	632	67	98	40	e35	18
9	43	79	268	428	422	5760	524	25	95	35	e55	19
10	42	71	322	467	378	1660	173	29	91	33	e50	19
11	40	67	219	411	350	871	230	191	91	34	e45	18
12	38	74	247	125	254	941	276	206	91	30	e44	17
13	35	446	230	348	291	763	276	69	90	27	e43	16
14	36	1100	484	610	156	649	875	191	88	22	e50	15
15	37	142	517	990	186	369	1160	232	87	20	48	15
16	37	34	357	689	750	429	678	230	91	21	50	15
17	37	121	135	677	1990	604	585	198	90	24	51	14
18	35	167	258	384	1090	369	848	43	90	20	50	15
19	33	103	124	215	671	366	161	43	94	21	50	14
20	31	104	132	542	655	320	671	119	95	24	51	14
21	28	142	162	403	456	239	361	161	98	25	51	15
22	27	555	615	493	435	236	300	159	100	25	39	14
23	26	176	105	450	879	235	280	157	100	27	39	16
24	30	133	2830	411	405	231	298	155	99	e25	38	19
25	28	103	2950	269	563	230	290	152	97	e23	38	28
26	285	102	1790	250	259	230	283	90	94	e25	37	28
27	199	105	606	1040	737	230	764	36	90	e23	35	27
28	123	107	680	612	446	230	317	37	87	e30	34	28
29	95	316	281	422	---	231	368	39	83	e27	33	92
30	79	721	255	224	---	231	459	42	80	e30	30	271
31	70	---	253	315	---	231	---	44	---	e33	29	---
TOTAL	1842	5846	15218	14319	21441	22684	13373	5467	3028	1064	1245	1949
MEAN	59.4	195	491	462	766	732	446	176	101	34.3	40.2	65.0
MAX	285	1100	2950	1410	3620	5760	1160	814	257	75	55	858
MIN	26	34	86	125	156	230	161	25	45	20	27	14
CFSM	.33	1.07	2.70	2.54	4.21	4.02	2.45	.97	.55	.19	.22	.36
IN.	.38	1.19	3.11	2.93	4.38	4.64	2.73	1.12	.62	.22	.25	.40

e Estimated.

ALTAMAHA RIVER BASIN

02213500 TOBESOFKEE CREEK NEAR MACON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	67.2	108	205	289	368	430	311	176	105	119	87.8	60.4
MAX	459	672	708	690	794	1295	1099	948	249	1271	383	264
(WY)	1965	1949	1965	1964	1961	1944	1964	1953	1957	1994	1994	1953
MIN	5.97	18.2	20.6	43.6	79.3	43.3	87.2	44.0	31.3	18.1	18.7	6.57
(WY)	1955	1988	1979	1956	1938	1981	1986	1968	1988	1968	1968	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1937 - 1998	
ANNUAL TOTAL	60625					107476						
ANNUAL MEAN	166					294					193	
HIGHEST ANNUAL MEAN											349	
LOWEST ANNUAL MEAN											78.4	
HIGHEST DAILY MEAN	2950					5760					13000	
LOWEST DAILY MEAN	13					14					2.5	
ANNUAL SEVEN-DAY MINIMUM	14					14					3.1	
INSTANTANEOUS PEAK FLOW						6280					a54000	
INSTANTANEOUS PEAK STAGE						18.83					b39.50	
INSTANTANEOUS LOW FLOW											2.3	
ANNUAL RUNOFF (CFSM)	.91					1.62					1.06	
ANNUAL RUNOFF (INCHES)	12.39					21.97					14.41	
10 PERCENT EXCEEDS	298					677					376	
50 PERCENT EXCEEDS	96					123					94	
90 PERCENT EXCEEDS	27					27					28	

- a From rating curve extended above 7,300 ft³/s on basis of slope-area measurement of peak flow at bridge 1.0 mi downstream.
b From floodmarks located approximately 50 feet upstream from bridge and gaging station.

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.

LOCATION.--Lat 32°40'17", long 83°36'11", Bibb-Twigg County line, Hydrologic Unit 03070103, on right bank 0.8 mi upstream from Echeconnee Creek, 4 mi northeast of Warner Robins, and 5.7 mi downstream from Tobesofkee Creek.

DRAINAGE AREA.--2,690 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to current year, discharge less than 3,600 ft³/s, only.

GAGE.--Water-stage recorder. Datum of gage is 244.0 ft above sea level (from topographic map).

REMARKS.--Records good to fair. Flow regulated by Lloyd Shoals Reservoir (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 21.75 ft, July 8, 1994; minimum daily discharge, 227 ft³/s, Oct. 18, 1987 and July 27, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.25 ft, Mar. 10; minimum daily discharge, 733 ft³/s, Oct. 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	3310	---	2670	1210	1450	879
2	---	---	---	---	---	---	3400	---	3040	1130	1380	1050
3	2530	---	---	---	---	---	---	---	3120	1130	1190	1330
4	1750	---	---	---	---	---	---	---	2950	1150	1100	---
5	1070	---	---	---	---	---	---	---	2340	1250	1070	---
6	837	3080	3510	---	---	---	---	---	2840	1410	868	3040
7	763	2650	3350	---	---	---	---	---	3480	1350	771	2190
8	885	2370	3210	---	---	---	---	---	---	1300	962	1260
9	1020	1960	3250	---	---	---	---	---	2640	1320	910	1050
10	1020	1830	---	---	---	---	---	---	1750	1200	1000	1140
11	1010	1750	---	---	---	---	---	---	1860	1360	1090	1070
12	911	1690	---	---	---	---	---	---	1860	1440	1340	1020
13	823	2200	---	---	---	---	---	---	1920	1800	1270	871
14	769	---	---	---	---	---	---	---	1780	1630	1190	856
15	743	---	---	---	---	---	---	---	1750	1320	1370	839
16	733	---	---	---	---	---	---	---	1620	1190	2730	869
17	879	---	---	---	---	---	---	3290	1600	1110	3150	1070
18	936	---	---	---	---	---	---	2920	1670	1370	3160	838
19	891	3360	3420	---	---	---	---	3360	1770	1130	3140	814
20	824	3070	3170	---	---	---	---	2850	1940	1250	2970	818
21	807	2740	2950	---	---	---	---	2550	2670	1200	---	845
22	899	2850	3040	---	---	---	---	2640	2680	1070	---	1280
23	897	3240	---	---	---	---	---	2050	1950	1220	---	1750
24	837	---	---	---	---	---	---	1960	1620	955	---	1570
25	1150	---	---	---	---	---	---	2300	1680	1040	3050	1360
26	1640	---	---	---	---	---	---	2130	1620	932	1810	1160
27	---	---	---	---	---	3490	---	2000	1450	1130	1460	901
28	---	---	---	---	---	3380	---	2150	1270	1280	1330	937
29	---	---	---	---	---	3380	---	1960	1020	1470	1190	1100
30	---	---	---	---	---	3390	---	1820	1060	2490	979	1940
31	---	---	---	---	---	3320	---	1900	---	1920	863	---
TOTAL	---	---	---	---	---	---	---	---	---	40757	---	---
MEAN	---	---	---	---	---	---	---	---	---	1315	---	---
MAX	---	---	---	---	---	---	---	---	---	2490	---	---
MIN	---	---	---	---	---	---	---	---	---	932	---	---

ALTAMAHA RIVER BASIN

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1970 to current year.

pH: October 1971 to current year.

WATER TEMPERATURE: February 1970 to current year.

DISSOLVED OXYGEN: May 1970 to current year.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 377 microsiemens Oct. 27, 1987; minimum recorded, 25 microsiemens Jan. 7, 1974.

pH: Maximum recorded, 8.8 units Oct. 6, 7, 8, 1993; minimum recorded, 5.2 units Jan. 14, 1972.

WATER TEMPERATURE: Maximum recorded, 34.5°C July 17, 1981, July 21, 1986; minimum recorded, 1.0°C Jan. 19, 20, 1977.

DISSOLVED OXYGEN: Maximum recorded, 16.5 mg/L Mar. 12, 1970; minimum recorded, 0.0 mg/L June 8, 9, 1971, Sept. 17, 1980.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	0805	81341	--	77	76	6.8	6.9	16.0	9.5	7.7	78
NOV 20...	0750	81341	1050	104	102	7.2	7.0	10.5	1.5	10.4	94
DEC 11...	0750	81341	--	96	95	7.1	7.1	10.0	4.5	9.8	88
FEB 12...	1225	81341	--	60	58	6.9	6.8	9.5	16.0	10.4	92
19...	1300	81341	--	53	51	6.9	6.7	11.0	18.0	9.7	89
MAR 18...	1200	81341	--	58	56	6.9	6.7	11.5	16.0	9.6	88
APR 01...	1300	81341	3320	83	81	7.0	6.8	18.0	21.0	8.0	85
MAY 13...	1100	81341	--	82	80	7.0	7.0	21.5	26.0	7.5	85
JUN 11...	0900	81341	1800	111	106	7.2	7.0	28.0	26.5	6.4	82
JUL 08...	0940	81341	1320	116	114	7.3	7.1	30.8	33.0	6.2	84
AUG 26...	1030	81341	1740	108	105	6.9	6.8	28.0	30.0	5.7	74
SEP 08...	0940	81341	1270	123	120	7.0	6.9	28.0	28.5	5.5	71

ALTAMAHA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
OCT 30...	81341	140	61	19	1.1	19	53
NOV 20...	81341	55	17	10	1.3	23	18
DEC 11...	81341	50	21	10	<1.0	21	21
FEB 12...	81341	90	37	7	<1.0	12	24
19...	81341	140	44	16	1.2	12	20
MAR 18...	81341	140	40	15	<1.0	13	23
APR 01...	81341	40	13	28	1.0	19	13
MAY 13...	81341	30	14	15	<1.0	20	21
JUN 11...	81341	45	11	9	<1.0	27	20
JUL 08...	81341	10	8.0	9	<1.0	27	12
AUG 26...	81341	50	32	13	<1.0	21	28
SEP 08...	81341	50	15	13	<1.0	25	19

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81341	.380	<.030	--	.50	.88	.050	5.0
NOV 20...	81341	.700	<.030	--	.30	1.0	.040	3.0
DEC 11...	81341	.540	<.030	--	.30	.84	.060	3.0
FEB 12...	81341	.380	<.030	--	.30	.68	.040	3.0
19...	81341	.330	.050	.35	.40	.73	.030	4.0
MAR 18...	81341	.400	.030	.27	.30	.70	.040	3.0
APR 01...	81341	.540	<.030	--	.30	.84	.050	4.0
MAY 13...	81341	.500	<.030	--	.30	.80	.060	3.0
JUN 11...	81341	.570	<.030	--	.30	.87	.070	3.0
JUL 08...	81341	.590	<.030	--	.30	.89	.080	3.0
AUG 26...	81341	.600	.030	.37	.40	1.0	.090	5.0
SEP 08...	81341	.710	.040	.26	.30	1.0	.090	5.0

ALTAMAHA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	0805	81341	--	77	6.8	16.0	9.5	7.7	78	490
NOV 05...	0755	81213	--	84	6.9	14.0	5.0	8.2	80	50
09...	1015	81213	1960	103	7.1	13.0	11.5	9.0	87	90
20...	0750	81341	1050	104	7.2	10.5	1.5	10.4	94	170
DEC 11...	0750	81341	--	96	7.1	10.0	4.5	9.8	88	280
JAN 28...	1400	81213	--	69	7.0	8.9	16.5	10.6	92	330
FEB 12...	1225	81341	--	60	6.9	9.5	16.0	10.4	92	95
17...	1640	81341	--	65	7.1	11.0	20.0	10.2	94	410
19...	1300	81341	--	53	6.9	11.0	18.0	9.7	89	230
MAY 13...	1100	81341	--	82	7.0	21.5	26.0	7.5	85	80
25...	1200	81213	2060	92	7.1	26.5	32.0	6.7	84	20
27...	0900	81213	1950	89	7.1	26.5	26.5	6.4	80	20
AUG 26...	1030	81341	1740	108	6.9	28.0	30.0	5.7	74	130
SEP 08...	0940	81341	1270	123	7.0	28.0	28.5	5.5	71	790
15...	1015	81341	844	155	7.3	26.0	27.5	6.5	80	90
23...	1000	81213	1750	126	7.3	27.0	27.0	6.2	79	230

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.

LOCATION.--Lat 32°14'22", long 83°30'06", Pulaski County, Hydrologic Unit 03070104, on left bank 90 ft upstream from State Highways 27 and 257, 0.6 mi upstream from Cedar Creek, 0.6 mi downstream from Long Branch, and 3.5 mi southwest of Hawkinsville.

DRAINAGE AREA.--163 mi².

PERIOD OF RECORD.--Water years 1984-86 (annual maximum), April 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 210.49 ft above sea level (from Georgia Department of Transportation). Dec. 6, 1984 to Apr. 1, 1986, crest-stage gage at site 100 ft downstream at datum 3.00 ft higher.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 15	0600	1,140	8.74	Mar. 9	1300	*9,240	*17.56
Dec. 1	2400	1,600	9.89	Mar. 20	1800	1,190	8.89
Dec. 16	0600	3,590	13.01	Apr. 10	1300	1,060	8.51
Dec. 25	1500	4,870	14.24	Apr. 16	0600	2,500	11.54
Jan. 17	1400	1,320	9.22	Apr. 19	0200	5,050	14.40
Feb. 4	2100	5,270	14.59	Sept. 4	2200	1,340	9.27
Feb. 18	2000	1,380	9.37				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	113	1080	497	345	593	247	546	345	21	42	8.5
2	37	172	1300	427	315	465	257	736	184	19	69	9.3
3	28	253	701	385	717	378	289	699	110	20	43	182
4	23	376	414	363	3950	325	265	531	91	21	26	837
5	21	229	326	347	3680	299	231	675	123	20	20	1160
6	19	143	285	333	1730	344	206	540	343	18	16	637
7	18	130	250	331	1130	593	188	371	311	19	14	218
8	17	124	220	411	873	2400	238	320	211	17	14	107
9	16	127	204	563	719	8230	544	355	121	17	31	78
10	16	115	212	614	594	3920	1010	349	100	26	90	61
11	16	104	223	417	496	1620	768	277	87	26	45	50
12	15	103	339	337	445	1180	434	229	77	17	27	44
13	15	250	432	304	420	939	321	195	70	21	24	41
14	14	624	754	292	380	728	313	171	63	23	42	38
15	14	1090	2110	335	343	615	1240	156	56	26	54	34
16	16	836	3140	580	332	547	2190	144	52	24	67	32
17	21	476	1590	1200	557	473	1250	137	59	24	88	30
18	25	304	978	902	1200	432	3060	128	59	39	114	29
19	24	244	703	555	1080	570	3790	118	56	31	67	34
20	22	215	524	445	629	1090	1660	111	69	23	39	37
21	20	196	431	419	451	929	1100	102	58	17	28	41
22	19	191	429	384	419	604	832	95	49	17	22	60
23	18	230	770	584	650	454	623	91	42	18	19	52
24	20	379	1870	923	961	388	489	88	38	21	17	41
25	53	336	4350	783	746	347	424	84	34	20	15	34
26	121	227	2750	512	515	320	389	79	31	21	14	29
27	229	186	1440	479	463	298	378	73	29	20	12	27
28	526	171	1140	631	560	284	329	71	26	17	10	27
29	579	171	1040	684	---	271	300	88	26	18	9.4	31
30	227	336	802	485	---	258	368	157	24	22	8.8	100
31	130	---	617	392	---	247	---	268	---	26	8.3	---
TOTAL	2379	8451	31424	15914	24700	30141	23733	7984	2944	669	1095.5	4108.8
MEAN	76.7	282	1014	513	882	972	791	258	98.1	21.6	35.3	137
MAX	579	1090	4350	1200	3950	8230	3790	736	345	39	114	1160
MIN	14	103	204	292	315	247	188	71	24	17	8.3	8.5
CFSM	.47	1.73	6.22	3.15	5.41	5.96	4.85	1.58	.60	.13	.22	.84
IN.	.54	1.93	7.17	3.63	5.64	6.88	5.42	1.82	.67	.15	.25	.94

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	55.7	98.1	209	345	426	446	209	96.7	90.3	107	68.5	42.1
MAX	320	282	1014	871	882	972	791	311	225	592	312	137
(WY)	1995	1998	1998	1987	1998	1998	1998	1991	1989	1994	1991	1998
MIN	12.7	24.5	30.5	39.7	56.5	106	55.9	19.3	11.7	4.17	10.9	6.91
(WY)	1988	1989	1988	1989	1989	1989	1986	1986	1988	1986	1990	1990

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1986 - 1998

ANNUAL TOTAL	90023.1	153543.3	
ANNUAL MEAN	247	421	185
HIGHEST ANNUAL MEAN			421 1998
LOWEST ANNUAL MEAN			56.3 1988
HIGHEST DAILY MEAN	4350	Dec 25	8230 Mar 9 1998
LOWEST DAILY MEAN	6.6	Sep 18	1.1 Jul 23 1986
ANNUAL SEVEN-DAY MINIMUM	7.3	Sep 12	1.4 Jul 20 1986
INSTANTANEOUS PEAK FLOW			9240 Mar 9 1998
INSTANTANEOUS PEAK STAGE			17.56 Mar 9 1998
INSTANTANEOUS LOW FLOW			1.1 Jul 23 1986
ANNUAL RUNOFF (CFSM)	1.51	2.58	1.14
ANNUAL RUNOFF (INCHES)	20.55	35.04	15.42
10 PERCENT EXCEEDS	591	948	420
50 PERCENT EXCEEDS	111	227	64
90 PERCENT EXCEEDS	16	19	13

ALTAMAHA RIVER BASIN

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.

LOCATION.--Lat 31°55'06", long 82°40'26", Telfair-Jeff Davis County line, Hydrologic Unit 03070104, near left bank on downstream end of pier of bridge on U.S. Highway 341 at Lumber City, 500 ft downstream from Southern Railway bridge, 1 mi upstream from Little Ocmulgee River, and 12 mi upstream from confluence with Oconee River.

DRAINAGE AREA.--5,180 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1936 to current year. Gage-height records collected at same site since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1937.

GAGE.--Water-stage recorder. Datum of gage is 87.48 ft above sea level. Prior to Nov. 8, 1937, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Lloyds Shoals Reservoir (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1841, 98,400 ft³/s, Jan. 21, 1925, from rating extended above 86,000 ft³/s on basis of records of peak flow for stations on Ocmulgee, Oconee, and Altamaha Rivers; maximum stage known, 26.3 ft, Jan. 21, 1925, backwater from Oconee River.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	0200	15,800	12.75	Feb. 13	0300	41,500	17.50
Jan. 3	1000	37,100	16.77	Mar. 16	1800	*62,900	*20.63
Jan. 25	1400	21,700	13.97	Apr. 24	1600	21,700	13.96

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2900	5860	10500	28000	16800	19300	9850	13500	4240	2790	2270	2740
2	3260	6310	14700	33500	16000	18400	9120	14300	4270	2580	2440	2360
3	3500	6870	15600	36700	16500	17300	8560	14300	4290	2370	2760	2340
4	3720	7530	14800	34700	21300	16200	8080	13400	4330	2240	2990	2980
5	3970	8470	13700	30300	27400	15400	7690	12900	4440	2230	2830	4020
6	4240	9670	12700	25700	29000	14900	7460	12600	4560	2180	2540	4500
7	4540	11000	11900	21700	28000	14700	7300	12600	4590	2140	2310	5610
8	4800	11900	11100	18900	28100	16000	7280	12400	4630	2120	2150	6620
9	4710	11900	10400	16800	29700	29800	9670	12000	4760	2160	2050	6950
10	3400	10800	9830	14900	31500	43200	13600	11700	4940	2240	1980	7150
11	2430	9250	9590	13500	35300	40100	16400	11400	5060	2270	1850	7050
12	2100	8030	9440	12500	40000	35900	16500	11300	5080	2230	1870	6370
13	2010	7860	9470	11800	41100	40400	16600	11200	5010	2200	2040	4770
14	1970	8660	9920	11400	38200	46700	16900	11000	4780	2140	2250	3410
15	1970	9500	11900	11500	32900	55300	18300	10600	4300	2170	2250	2860
16	2260	9830	14400	12900	27900	61900	19200	9960	3920	2290	2260	2540
17	1840	9470	15900	14500	25100	60900	19400	9240	3730	2500	2370	2290
18	1760	9030	15700	15900	22700	53800	18800	8580	3590	2570	2620	2120
19	1770	8740	15400	16500	19500	47700	18000	7940	3470	2420	2990	2010
20	1780	8510	15500	16500	17100	41600	17800	7380	3350	2300	3370	1970
21	1820	8300	15700	16200	15300	34300	17600	6930	3250	2230	3690	2050
22	1820	8080	15400	16100	14300	27100	17900	6560	3250	2280	3860	2130
23	1780	7970	14500	18000	15300	22200	19700	6190	3310	2160	3910	2250
24	1740	8000	14400	20500	16300	19200	21400	5810	3370	2120	3880	2420
25	1760	8040	17600	21500	17200	17300	20800	5470	3510	2120	3820	2520
26	2510	7880	20500	21000	18100	15900	19100	5150	3620	2020	3790	2610
27	4310	7480	20600	20200	19000	14700	17300	4830	3540	2030	3840	2810
28	5570	7030	20300	19900	19500	13400	15700	4590	3310	2050	3930	2870
29	5800	6710	21700	19500	---	12400	14200	4440	3090	2000	4010	2790
30	5570	7420	23800	18800	---	11500	13400	4400	2960	1990	3930	2980
31	5560	---	25500	17800	---	10600	---	4350	---	2070	3370	---
TOTAL	97170	256100	462450	607700	679100	888100	443610	287020	120550	69190	90220	106090
MEAN	3135	8537	14920	19600	24250	28650	14790	9259	4018	2232	2910	3536
MAX	5800	11900	25500	36700	41100	61900	21400	14300	5080	2790	4010	7150
MIN	1740	5860	9440	11400	14300	10600	7280	4350	2960	1990	1850	1970
CFSM	.61	1.65	2.88	3.78	4.68	5.53	2.85	1.79	.78	.43	.56	.68
IN.	.70	1.84	3.32	4.36	4.88	6.38	3.19	2.06	.87	.50	.65	.76

ALTAMAHA RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2680	2821	4906	7457	9646	11640	9738	5591	3757	3664	3266	2516
MAX	9848	11140	24070	19600	24250	28650	26590	15710	9360	22950	9067	5696
(WY)	1995	1948	1949	1998	1998	1998	1944	1964	1973	1994	1994	1949
MIN	887	910	1423	1849	2341	3219	3020	1515	1272	979	976	1178
(WY)	1955	1955	1955	1981	1989	1955	1985	1986	1988	1988	1988	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1937 - 1998			
ANNUAL TOTAL	2270638				4107300							
ANNUAL MEAN	6221				11250				5620			
HIGHEST ANNUAL MEAN									11250			
LOWEST ANNUAL MEAN									2679			
HIGHEST DAILY MEAN	25500				Dec 31				90700			
LOWEST DAILY MEAN	974				Sep 25				808			
ANNUAL SEVEN-DAY MINIMUM	1010				Sep 20				813			
INSTANTANEOUS PEAK FLOW					1780				Oct 18			
INSTANTANEOUS PEAK STAGE					62900				Mar 16			
INSTANTANEOUS LOW FLOW					20.63				Mar 16			
ANNUAL RUNOFF (CFSM)	1.20				1720				Oct 24			
ANNUAL RUNOFF (INCHES)	16.31				2.17				800			
10 PERCENT EXCEEDS	14000				29.50				1.08			
50 PERCENT EXCEEDS	4270				22400				14.74			
90 PERCENT EXCEEDS	1750				8030				11800			
					2160				3670			
									1690			

ALTAMAHA RIVER BASIN

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

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	1015	81341	1790	157	216	7.8	7.6	18.4	18.7	8.2	87
NOV 20...	1030	81341	8530	81	78	7.2	6.9	10.3	14.0	8.8	78
DEC 18...	1030	81341	15700	59	59	7.3	6.7	8.8	12.0	9.6	82
JAN 15...	1635	81341	11700	68	67	7.0	6.7	12.5	6.0	8.8	83
FEB 12...	0700	81341	39600	49	50	6.8	6.7	10.0	9.0	9.1	81
19...	0600	81341	20100	57	55	6.6	7.1	13.0	7.0	8.2	78
APR 01...	0600	81341	10000	82	79	6.9	7.0	20.5	21.5	8.1	90
MAY 13...	0500	81341	11200	82	77	6.9	6.9	21.0	17.0	7.9	89
JUN 10...	0500	81341	4880	108	104	7.1	7.3	26.0	24.0	4.3	53
JUL 08...	0500	81341	2110	140	137	7.3	7.3	30.0	26.0	3.6	48
AUG 26...	0530	81341	3780	118	116	6.5	7.0	28.0	24.0	4.1	53
SEP 08...	0530	81341	6460	82	80	6.5	6.9	26.0	25.0	4.7	58

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
OCT 23...	81341	10	9.0	10	<1.0	43	11
NOV 20...	81341	120	17	27	1.1	20	6
DEC 18...	81341	80	15	26	1.0	15	5
JAN 15...	81341	100	28	16	<1.0	20	7
FEB 12...	81341	90	40	14	<1.0	11	19
19...	81341	110	19	14	<1.0	14	5
APR 01...	81341	70	14	18	1.0	26	8
MAY 13...	81341	100	15	19	<1.0	25	5
JUN 10...	81341	30	32	16	<1.0	32	25
JUL 08...	81341	10	8.0	9	<1.0	38	5
AUG 26...	81341	35	17	11	<1.0	29	24
SEP 08...	81341	90	34	21	<1.0	20	35

ALTAMAHA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	81341	.630	<.030	--	.20	.83	.070	3.0
NOV 20...	81341	.220	<.030	--	.40	.62	.050	8.0
DEC 18...	81341	.160	<.030	--	.40	.56	.060	9.0
JAN 15...	81341	.210	.040	.36	.40	.61	.050	6.0
FEB 12...	81341	.180	.030	.27	.30	.48	<.020	6.0
19...	81341	.240	<.030	--	.40	.64	.030	5.0
APR 01...	81341	.360	.040	.36	.40	.76	.040	5.0
MAY 13...	81341	.320	<.030	--	.30	.62	.050	5.0
JUN 10...	81341	.610	<.030	--	.40	1.0	.100	3.0
JUL 08...	81341	.480	<.030	--	.20	.68	.040	3.0
AUG 26...	81341	.580	<.030	--	.30	.88	.060	3.0
SEP 08...	81341	.360	<.030	--	.40	.76	.080	7.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 06...	1715	81213	4300	108	7.2	22.9	27.0	7.3	85	50
16...	0930	81213	2380	132	7.1	22.2	17.0	7.3	84	1700
23...	1015	81341	1790	157	7.8	18.4	18.7	8.2	87	50
NOV 20...	1030	81341	8530	81	7.2	10.3	14.0	8.8	78	50
DEC 18...	1030	81341	15700	59	7.3	8.8	12.0	9.6	82	330
JAN 15...	1635	81341	11700	68	7.0	12.5	6.0	8.8	83	95
28...	0930	81213	20000	37	6.9	10.0	10.0	9.4	84	<20
FEB 12...	0700	81341	39600	49	6.8	10.0	9.0	9.1	81	40
17...	0630	81341	25500	51	6.7	13.0	17.0	8.5	82	20
19...	0600	81341	20100	57	6.6	13.0	7.0	8.2	78	80
MAY 13...	0500	81341	11200	82	6.9	21.0	17.0	7.9	89	50
20...	0500	81213	4390	97	7.1	24.0	20.0	6.9	82	20
27...	0530	81213	4920	111	7.1	27.0	24.0	4.2	53	<20
JUN 10...	0500	81341	4880	108	7.1	26.0	24.0	4.3	53	20
AUG 26...	0530	81341	3780	118	6.5	28.0	24.0	4.1	53	20
31...	0700	81213	3530	106	6.5	28.0	25.0	4.3	55	<20
SEP 08...	0530	81341	6460	82	6.5	26.0	25.0	4.7	58	270
23...	0500	81213	2220	139	6.9	26.0	25.0	4.1	51	<20

ALTAMAHA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 17...	1000	81213	1850	151	7.4	21.4	19.5	7.6	86
APR 14...	1400	81213	16900	64	7.4	17.1	25.0	7.7	80

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	MAGNE- ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 17...	81213	14	2.0	<1.0	<2.0	<5	<1.0	1.2
APR 14...	81213	6.4	1.3	<1.0	<2.0	<5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 17...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.4
APR 14...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.1

ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA.

LOCATION.--Lat 31°59'29", long 82°55'19", Telfair County, Hydrologic Unit 03070105, on downstream side of bridge pier on U.S. Highways 319 and 441, 4.8 mi south of McRae and 13.8 mi upstream from mouth.

DRAINAGE AREA.--49.2 mi².

PERIOD OF RECORD.--January 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 173.17 ft above sea level (levels by Georgia Department of Transportation).

REMARKS.--Records good, except those less than 1 ft³/s, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 14	0400	730	8.20	Feb. 4	0700	2,400	10.26
Nov. 30	0900	1,750	9.66	Mar. 9	0030	*4,980	*11.82
Dec. 15	0700	1,200	8.99	Mar. 19	0930	672	8.08
Dec. 25	0445	1,360	9.21	Apr. 9	0930	1,370	9.22
Jan. 24	0700	744	8.23	Apr. 15	1,900	725	8.19

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	64	1180	142	96	168	50	209	.03	.00	.00	.00
2	2.0	276	508	112	87	119	46	177	.01	.00	.00	.00
3	1.6	249	292	100	575	83	41	124	.00	.00	.00	10
4	1.5	135	206	98	2040	68	38	174	.00	.00	.00	25
5	1.6	92	148	97	936	65	40	209	.01	.00	.00	22
6	1.2	61	111	95	446	140	28	142	.85	.00	.00	69
7	1.0	103	90	96	283	252	22	61	.74	.00	.00	39
8	.47	170	82	219	209	1420	297	45	.17	.00	.00	16
9	.78	146	86	292	159	3040	1260	33	.05	.00	.00	8.2
10	.77	113	283	283	132	903	674	25	.01	.00	.00	4.9
11	.47	71	430	168	115	394	311	20	.00	.00	.00	3.1
12	.15	83	410	107	107	249	156	15	.00	.00	.00	2.3
13	.09	521	345	89	95	179	86	11	.00	.00	.00	1.8
14	.05	710	468	88	88	139	98	7.8	.00	.00	.00	1.4
15	.16	505	1120	148	81	122	629	6.1	.00	.00	.00	1.1
16	2.3	285	757	319	89	105	594	5.0	.00	.00	.00	.87
17	1.8	158	386	321	238	94	303	4.2	.00	.00	.00	.72
18	12	102	252	225	241	106	177	3.1	.00	.00	.00	.83
19	14	84	179	158	192	555	117	2.3	.00	.00	.00	1.7
20	5.3	76	135	151	118	444	104	1.8	.00	.00	.00	2.0
21	3.0	76	112	135	85	286	85	1.3	.00	.00	.00	2.6
22	2.2	103	119	129	138	171	76	.89	.00	.00	.00	2.5
23	2.0	105	187	595	418	112	66	.58	.00	.00	.00	3.4
24	3.8	101	647	684	327	88	61	.42	.00	.00	.00	3.1
25	21	103	1180	397	220	79	51	.27	.00	.00	.00	2.2
26	367	80	610	232	126	73	43	.14	.00	.00	.00	1.6
27	426	66	638	285	148	69	33	.05	.00	.00	.00	1.2
28	174	60	698	328	182	65	28	.04	.00	.00	.00	.93
29	77	112	441	261	---	63	33	.03	.00	.00	.00	1.1
30	54	1540	281	178	---	58	103	.04	.00	.00	.00	25
31	42	---	199	124	---	54	---	.09	---	.00	.00	---
TOTAL	1222.84	6350	12580	6656	7971	9763	5650	1279.15	1.87	0.00	0.00	253.55
MEAN	39.4	212	406	215	285	315	188	41.3	.062	.000	.000	8.45
MAX	426	1540	1180	684	2040	3040	1260	209	.85	.00	.00	69
MIN	.05	60	82	88	81	54	22	.03	.00	.00	.00	.00
CFSM	.80	4.30	8.24	4.36	5.78	6.40	3.83	.84	.00	.00	.00	.17
IN.	.92	4.80	9.51	5.03	6.02	7.38	4.27	.97	.00	.00	.00	.19

ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	26.8	38.1	74.9	138	138	150	61.8	23.2	18.2	16.1	20.3	8.84
MAX	212	212	406	329	285	315	188	141	92.3	84.1	215	60.5
(WY)	1995	1998	1998	1987	1998	1998	1998	1984	1995	1994	1994	1994
MIN	.000	.000	.000	.000	10.3	16.1	5.64	.000	.000	.000	.000	.000
(WY)	a1984	1985,92	1985	1985	1985	1985	1985	1986	1985,90	b1986	b1986	c1984

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1983 - 1998

ANNUAL TOTAL	32339.52	51727.41	
ANNUAL MEAN	88.6	142	57.8
HIGHEST ANNUAL MEAN			142
LOWEST ANNUAL MEAN			4.71
HIGHEST DAILY MEAN	1540	Nov 30	3040
LOWEST DAILY MEAN	.00	d	.00
ANNUAL SEVEN-DAY MINIMUM	.00	g	.00
INSTANTANEOUS PEAK FLOW			4980
INSTANTANEOUS PEAK STAGE			11.82
ANNUAL RUNOFF (CFSM)	1.80		2.88
ANNUAL RUNOFF (INCHES)	24.44		39.09
10 PERCENT EXCEEDS	213		389
50 PERCENT EXCEEDS	22		51
90 PERCENT EXCEEDS	.00		.00

a Also 1985, 1987, 1988, 1992, 1994, and 1996

b Also 1990, 1996, and 1998

c Also 1990 and 1996

d No flow on many days

f No flow at times most years

g Many seven-day periods with no flow

ALTAMAHA RIVER BASIN

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA.

LOCATION.--Lat 34°01'54", long 83°33'48", Jackson-Barrow County line, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 82, 1.7 mi downstream from Mulberry River, 3.2 mi upstream from Redstone Creek, and 3.2 mi south of Arcade.

DRAINAGE AREA.--332 mi².

PERIOD OF RECORD.--March 1987 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 656.52 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.-- Records good, except those for the period Oct. 27 through December 25 and those for the periods of estimated daily discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0800	3,780	13.88	Feb. 4	2300	*12,200	*24.97
Dec. 25	0800	4,770	15.86	Mar. 9	0630	9,460	22.07
Jan. 5	1400	5,230	16.57	Apr. 9	2300	8,750	21.25

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	451	413	488	489	646	825	627	2110	567	257	180	176
2	362	464	437	465	615	785	623	1320	489	250	170	170
3	318	366	423	454	2570	714	1310	1020	454	241	163	213
4	291	309	681	443	9930	667	2410	1150	455	236	156	229
5	272	274	558	435	9690	665	1160	909	677	240	146	191
6	253	275	475	450	3080	746	889	788	640	231	137	172
7	243	300	439	1430	1570	1130	753	822	489	221	133	165
8	233	270	422	4570	e1380	4280	712	2760	437	253	140	156
9	224	249	465	2090	e1150	8490	5270	1510	423	318	183	146
10	221	238	490	1080	e1020	3450	5710	e1440	440	270	233	141
11	218	230	485	830	e900	1620	1640	1450	479	229	188	146
12	212	228	437	694	e840	1300	1190	994	433	217	162	139
13	205	430	420	648	e740	1120	985	839	406	236	255	133
14	201	623	416	586	e680	972	1120	757	385	223	284	128
15	199	463	401	850	e640	876	1290	721	372	214	323	125
16	199	361	387	1300	e1030	805	968	653	370	205	257	128
17	205	311	382	974	2840	753	1320	630	394	201	385	126
18	205	287	374	752	1940	749	1220	604	359	200	275	124
19	216	275	368	1090	1220	752	1380	570	401	186	219	125
20	208	265	368	905	998	713	1760	551	662	177	1180	128
21	193	428	363	725	865	666	1170	528	430	187	1950	141
22	194	3060	526	708	831	635	1240	510	372	184	673	169
23	192	1450	574	1140	1310	612	1390	488	350	295	437	150
24	201	843	2000	886	1070	632	1300	479	332	248	322	134
25	355	644	4000	719	881	621	980	472	313	205	277	128
26	1930	557	1410	643	787	587	859	461	301	189	236	125
27	3030	505	1070	1680	1060	577	783	448	290	186	215	120
28	952	468	867	1750	966	572	728	462	278	285	200	120
29	540	452	688	1020	---	565	692	440	267	223	191	140
30	403	488	616	829	---	556	1650	691	259	192	182	210
31	327	---	544	717	---	555	---	1030	---	182	179	---
TOTAL	13253	15526	21574	31352	51249	37990	43129	27607	12524	6981	10031	4498
MEAN	428	518	696	1011	1830	1225	1438	891	417	225	324	150
MAX	3030	3060	4000	4570	9930	8490	5710	2760	677	318	1950	229
MIN	192	228	363	435	615	555	623	440	259	177	133	120
CFSM	1.29	1.56	2.10	3.05	5.51	3.69	4.33	2.68	1.26	.68	.97	.45
IN.	1.48	1.74	2.42	3.51	5.74	4.26	4.83	3.09	1.40	.78	1.12	.50

e Estimated

ALTAMAHA RIVER BASIN

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	408	444	474	722	890	930	600	428	385	278	289	242
MAX	1083	1141	1300	1244	1830	1600	1438	891	794	610	900	436
(WY)	1996	1993	1993	1993	1998	1990	1998	1998	1989	1989	1994	1997
MIN	51.7	116	148	247	255	248	311	142	53.8	32.9	49.4	63.8
(WY)	1988	1988	1989	1989	1989	1988	1988	1988	1988	1988	1988	1987

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1987 - 1998

ANNUAL TOTAL	199086	275714		
ANNUAL MEAN		545	755	514
HIGHEST ANNUAL MEAN			755	1998
LOWEST ANNUAL MEAN			185	1988
HIGHEST DAILY MEAN	6800	Mar 1	9930	Feb 4
LOWEST DAILY MEAN	95	Sep 22	120	Sep 27
ANNUAL SEVEN-DAY MINIMUM	104	Sep 17	126	Sep 14
INSTANTANEOUS PEAK FLOW			12200	Feb 4
INSTANTANEOUS PEAK STAGE			24.97	Feb 4
ANNUAL RUNOFF (CFSM)	1.64		2.28	
ANNUAL RUNOFF (INCHES)	22.31		30.89	
10 PERCENT EXCEEDS	955		1380	
50 PERCENT EXCEEDS	372		465	
90 PERCENT EXCEEDS	175		180	

ALTAMAHA RIVER BASIN

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.

LOCATION.--Lat 33°56'58", long 83°25'43", Clarke County, Hydrologic Unit 03070101, on left bank 0.5 mi upstream from U.S. Highway 78 and U.S. Highway 29 Bus., 2 mi west of Athens, and 5 mi upstream from Barber Creek.

DRAINAGE AREA.--392 mi²

PERIOD OF RECORD.--October 1901 to September 1902, January 1929 to March 1932, May 1937 to current year.

REVISED RECORDS.--WDR GA-95-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 555.66 ft above sea level. Oct. 11, 1901 to Oct. 25, 1902, nonrecording gage at site 1 mi upstream at different datum. Jan. 16, 1929 to Mar. 15, 1932 and Apr. 29, 1937 to Sept. 30, 1940, water-stage recorder at site 4 mi downstream at different datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey. Diversion upstream from station for municipal supply of Athens.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	1230	3,970	9.45	Feb. 5	0830	*14,100	*21.20
Dec. 25	1800	4,970	11.00	Mar. 9	1700	10,500	17.80
Jan. 8	2230	5,420	11.69	Apr. 10	1030	9,060	16.25

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	489	467	474	526	689	876	629	2590	692	297	211	215
2	400	565	440	495	635	831	682	1750	567	294	215	196
3	355	483	429	478	2610	759	1380	1320	512	286	209	236
4	322	424	571	467	9940	703	3030	1370	498	287	212	287
5	291	389	562	459	13300	673	1450	1200	658	275	206	236
6	295	387	466	459	5810	739	1060	1030	771	272	184	212
7	275	410	435	1090	1970	1030	868	998	573	257	178	208
8	265	391	420	5160	1600	4350	859	3100	505	290	181	205
9	254	371	430	3260	1360	9290	5090	2160	476	371	232	189
10	254	346	458	1330	1220	5990	7760	1570	477	337	233	180
11	238	348	465	976	1080	1990	2470	1850	506	288	254	155
12	241	341	429	765	1000	1560	1480	1310	481	264	221	167
13	246	477	407	682	850	1350	1280	1120	452	276	240	165
14	233	773	407	632	767	1220	1270	1010	431	274	335	166
15	237	612	398	750	705	1110	1570	943	417	255	372	160
16	226	480	385	1430	1180	995	1230	856	410	247	354	151
17	235	426	381	1140	3280	900	1330	807	432	240	396	184
18	248	401	376	825	2390	865	1540	767	409	237	359	165
19	256	387	370	1150	1450	861	1470	721	409	243	292	163
20	260	371	370	1080	1160	808	2120	665	678	246	638	165
21	230	411	364	786	978	754	1460	656	502	215	2370	177
22	232	3040	436	731	905	704	1550	619	428	236	813	191
23	234	2070	556	1190	1300	677	1600	584	402	282	489	202
24	241	956	2530	1030	1260	682	1570	561	387	312	359	192
25	337	661	4670	775	970	686	1290	548	368	258	321	171
26	2130	552	2090	660	850	651	1150	534	351	236	273	164
27	3600	504	1230	1590	1030	630	1030	534	340	245	252	160
28	1460	469	1040	2230	1120	623	942	524	326	277	235	123
29	739	455	752	1210	---	612	887	507	308	300	217	170
30	538	469	656	930	---	601	1610	549	303	240	213	233
31	444	---	582	782	---	593	---	1280	---	230	206	---
TOTAL	15805	18436	23579	35068	61409	44113	51657	34033	14069	8367	11270	5588
MEAN	510	615	761	1131	2193	1423	1722	1098	469	270	364	186
MAX	3600	3040	4670	5160	13300	9290	7760	3100	771	371	2370	287
MIN	226	341	364	459	635	593	629	507	303	215	178	123
CFSM	1.30	1.57	1.94	2.89	5.59	3.63	4.39	2.80	1.20	.69	.93	.48
IN.	1.50	1.75	2.24	3.33	5.83	4.19	4.90	3.23	1.34	.79	1.07	.53

ALTAMAHA RIVER BASIN

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	316	412	548	734	848	964	753	553	412	337	309	250
MAX	1223	2002	1709	1624	2366	2779	2458	1475	1611	778	1056	978
(WY)	1996	1949	1984	1972	1902	1929	1964	1976	1963	1938	1994	1929
MIN	42.3	113	123	140	251	285	233	162	63.6	25.3	40.8	46.7
(WY)	1955	1956	1956	1956	1986	1988	1986	1988	1988	1986	1986	1954
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1902 - 1998	
ANNUAL TOTAL	218470					323394						
ANNUAL MEAN	599					886					530	
HIGHEST ANNUAL MEAN											977	
LOWEST ANNUAL MEAN											202	
HIGHEST DAILY MEAN	7000					Mar 1					19600	
LOWEST DAILY MEAN	102					Sep 21					8.2	
ANNUAL SEVEN-DAY MINIMUM	122					Sep 17					12	
INSTANTANEOUS PEAK FLOW											a19600	
INSTANTANEOUS PEAK STAGE											b25.50	
ANNUAL RUNOFF (CFSM)	1.53					2.26					1.35	
ANNUAL RUNOFF (INCHES)	20.73					30.69					18.37	
10 PERCENT EXCEEDS	1040					1580					937	
50 PERCENT EXCEEDS	400					504					359	
90 PERCENT EXCEEDS	210					215					150	

a Observed.

b At site and datum then in use.

ALTAMAHA RIVER BASIN

02218000 OCONEE RIVER NEAR WATKINSVILLE, GA

LOCATION.--Lat 33°51 '21", long 83°19'35", Oconee-Clarke County line, Hydrologic Unit 03070101, at bridge on Barnett Shoals Road, 1 mi upstream from Barnett Shoals Dam and 4 mi east of Watkinsville.

DRAINAGE AREA.--783 mi².

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT											
21...	0400	81341	740	88	84	7.1	7.2	15.0	10.0	9.2	93
NOV											
26...	0730	81341	1600	67	66	7.2	6.9	7.5	-1.5	10.9	92
DEC											
17...	0500	81341	750	83	80	7.0	7.2	7.0	-2.0	11.0	92
JAN											
13...	0500	81341	1700	65	--	6.8	7.0	10.0	10.0	10.2	92
FEB											
04...	1255	81341	E11500	34	35	6.4	6.6	7.8	6.5	11.3	99
MAR											
31...	0500	81341	1230	66	63	7.1	7.0	18.0	15.5	8.1	87
APR											
15...	0400	81341	2550	58	55	6.9	6.8	15.5	16.5	9.5	97
MAY											
13...	0930	81341	1950	61	60	6.9	7.0	18.6	25.0	8.4	91
JUN											
17...	0400	81341	820	76	72	6.9	6.9	24.0	21.0	6.9	84
JUL											
16...	0400	81341	440	85	88	6.9	7.0	25.0	25.0	5.4	67
AUG											
05...	0400	81341	145	90	84	7.0	7.1	24.0	21.0	5.6	68
SEP											
17...	0400	81341	240	99	95	6.6	7.1	24.0	22.0	5.2	63

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CaCO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
21...	81341	10	1.5	23	13	.950	.100	.100	3.0
NOV									
26...	81341	30	2.0	19	41	.690	.110	.060	2.0
DEC									
17...	81341	9.0	1.1	21	11	1.04	.230	.060	2.0
JAN									
13...	81341	31	1.1	15	34	.890	.130	.080	3.0
FEB									
04...	81341	130	2.3	9	126	.410	.110	.130	4.0
MAR									
31...	81341	11	1.3	18	18	.790	.110	.060	2.0
APR									
15...	81341	48	1.5	14	55	.710	.120	.070	3.0
MAY									
13...	81341	33	1.2	17	46	.760	.060	.090	2.0
JUN									
17...	81341	26	<1.0	18	34	1.08	.070	.150	2.0
JUL									
16...	81341	9.0	<1.0	21	10	1.08	.030	.220	3.0
AUG									
05...	81341	13	<1.0	25	16	1.01	.100	.180	2.0
SEP									
17...	81341	9.0	<1.0	20	9	1.27	.140	.320	2.0

ALTAMAHA RIVER BASIN

02218000 OCONEE RIVER NEAR WATKINSVILLE, GA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 21...	0400	81341	740	88	7.1	15.0	10.0	9.2	93	250
NOV 26...	0730	81341	1600	67	7.2	7.5	-1.5	10.9	92	490
DEC 09...	0930	81213	1120	84	7.2	5.7	4.0	12.0	97	330
17...	0500	81341	750	83	7.0	7.0	-2.0	11.0	92	80
23...	0600	81213	1240	72	7.2	10.0	8.0	10.4	94	220
JAN 05...	0600	81213	1350	68	7.0	10.0	12.0	10.5	94	230
13...	0500	81341	1700	65	6.8	10.0	10.0	10.2	92	490
26...	0500	81213	1950	63	6.9	7.0	-1.0	11.2	93	80
FEB 04...	1255	81341	E11500	34	6.4	7.8	6.5	11.3	99	10950
APR 15...	0400	81341	2550	58	6.9	15.5	16.5	9.5	97	600
28...	0400	81213	1650	66	7.0	16.0	13.0	9.2	94	1700
MAY 05...	0400	81213	2350	64	6.9	16.0	11.0	9.2	95	790
13...	0930	81341	1950	61	6.9	18.6	25.0	8.4	91	1300
JUL 09...	0500	81213	940	89	7.0	26.0	25.0	5.2	65	340
16...	0400	81341	440	85	6.9	25.0	25.0	5.4	67	80
27...	0400	81213	420	77	7.1	26.0	25.0	5.3	67	<20
AUG 05...	0400	81341	145	90	7.0	24.0	21.0	5.6	68	220

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 24...	1130	81213	2650	56	6.7	9.7	14.0	10.7	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 24...	81213	3.6	1.6	<1.0	<2.0	.7	2.0	1.2

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 24...	81213	1.8	<2.0	<1	1.0	<2.0	7.4

ALTAMAHA RIVER BASIN

02218300 OCONEE RIVER NEAR PENFIELD, GA

LOCATION.--Lat 33°43'14", long 83°17'45", Greene County, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 15, 7.0 mi upstream from Greenbrier Creek, 8.0 mi northwest of Penfield, and 10.0 mi southeast of Watkinsville.

DRAINAGE AREA.--940 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1970-77 (annual maximum), August 1977 to current year.

REVISED RECORDS.--WDR GA-91-1: 1990(M).

GAGE.--Water-stage recorder. Datum of gage is 433.26 ft above sea level. Nov. 4, 1969 to July 21, 1977, crest-stage gage, and July 22, 1977 to August 1, 1990, water-stage recorder at site 300 ft upstream at same datum.

REMARKS.--Records good to fair. Some regulation at low flow from manipulation of Barnett Shoals Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 19, 1919, reached a stage of 26.9 ft, information supplied by Georgia Department of Transportation, discharge, 37,000 ft³/s, from rating curve extended above 22,000 ft³/s on basis of slope-conveyance study. Flood of Apr. 6, 1936 reached a stage of 26.7 ft, discharge, 36,000 ft³/s (revised) from rating curve extended above 22,000 ft³/s on basis of slope-conveyance study.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0800	11,100	17.52	Mar. 9	1000	15,800	20.12
Nov. 23	1600	5,660	13.34	Apr. 4	2000	8,010	15.67
Dec. 25	0300	14,000	19.24	Apr. 11	0600	12,200	18.22
Jan. 9	2000	9,380	16.56	Apr. 20	1100	5,170	12.87
Jan. 28	2000	4,770	12.98	May 1	2200	5,260	12.96
Feb. 5	2400	*21,800	*22.59	May 9	1000	6,230	13.86
Feb. 18	1200	6,050	14.24				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1880	1660	1450	1520	1810	2310	1640	4740	1770	745	555	454
2	1300	1690	1370	1380	1670	2090	1690	5030	1410	701	527	489
3	1080	1640	1260	1320	3250	1950	2700	3850	1280	695	501	659
4	960	1400	1500	1270	14000	1840	7180	3300	1210	690	482	1060
5	878	1250	1690	1240	21300	1790	6010	2830	1500	671	477	728
6	837	1190	1470	1220	20200	1920	3250	2440	1650	649	447	592
7	812	1250	1310	1540	11500	2420	2340	2230	1490	633	385	537
8	773	1230	1240	6570	5400	6410	2060	4270	1280	613	438	501
9	730	1150	1270	9070	3610	15100	3980	6020	1180	855	536	492
10	719	1090	1370	7220	3140	14700	9440	4110	1190	812	1250	430
11	716	1050	1430	3470	2870	10000	11100	3890	1320	733	776	417
12	686	1020	1340	2190	2590	5090	5830	3180	1340	671	623	389
13	676	1310	1230	1950	2360	3280	3100	2520	1210	687	557	400
14	672	2450	1210	1790	2170	2850	2830	2220	1110	678	696	386
15	667	2200	1160	1990	2020	2580	3190	2060	1050	645	840	365
16	659	1760	1130	2860	2240	2380	2920	1960	1010	600	846	367
17	659	1470	1100	2890	4450	2230	2680	1860	1140	600	957	360
18	671	1320	1080	2340	5910	2150	3070	1860	1070	642	979	386
19	895	1240	1060	2630	4970	2320	3390	1750	1020	613	799	365
20	810	1180	1040	2720	3150	2150	5050	1670	1280	633	700	370
21	745	1170	1030	2170	2480	2030	4350	1590	1410	677	2210	391
22	691	2760	1280	1930	2300	1910	4020	1560	1150	589	2350	446
23	669	5280	1540	2720	3050	1830	3960	1500	1010	794	1370	456
24	674	3790	6520	2640	3050	1790	3720	1450	941	759	956	445
25	865	2090	12700	2190	2570	1790	3110	1410	939	680	776	417
26	4180	1710	8870	1860	2240	1750	2610	1380	891	604	703	383
27	10200	1530	5080	2990	2400	1690	2340	1340	857	584	598	371
28	7560	1410	2860	4610	2580	1660	2170	1420	813	680	565	375
29	4420	1350	2270	3880	---	1630	2050	1320	773	795	519	349
30	2200	1520	1940	2540	---	1600	2610	1270	747	701	490	1010
31	1690	---	1710	2040	---	1580	---	1780	---	609	461	---
TOTAL	50974	51160	71510	86750	139280	104820	114390	77810	35041	21038	24369	14390
MEAN	1644	1705	2307	2798	4974	3381	3813	2510	1168	679	786	480
MAX	10200	5280	12700	9070	21300	15100	11100	6020	1770	855	2350	1060
MIN	659	1020	1030	1220	1670	1580	1640	1270	747	584	385	349
CFSM	1.75	1.81	2.45	2.98	5.29	3.60	4.06	2.67	1.24	.72	.84	.51
IN.	2.02	2.02	2.83	3.43	5.51	4.15	4.53	3.08	1.39	.83	.96	.57

ALTAMAHA RIVER BASIN

02218300 OCONEE RIVER NEAR PENFIELD, GA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	987	1147	1321	1838	2220	2267	1727	1209	980	752	733	604
MAX	3571	3272	4029	3261	4974	4798	3897	2729	1840	1635	2481	1347
(WY)	1990	1978	1984	1978	1998	1980	1979	1980	1994	1989	1994	1992
MIN	165	275	358	595	638	689	569	366	153	93.4	116	240
(WY)	1988	1982	1989	1981	1989	1988	1986	1988	1988	1986	1986	1987
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1977 - 1998	
ANNUAL TOTAL	591805					791532						
ANNUAL MEAN	1621					2169					1311	
HIGHEST ANNUAL MEAN											2169	
LOWEST ANNUAL MEAN											498	
HIGHEST DAILY MEAN	13200					Mar 1					21900	
LOWEST DAILY MEAN	242					Sep 24					33	
ANNUAL SEVEN-DAY MINIMUM	270					Sep 18					49	
INSTANTANEOUS PEAK FLOW						21800					a31700	
INSTANTANEOUS PEAK STAGE						22.59					25.92	
ANNUAL RUNOFF (CFSM)	1.72					2.31					1.39	
ANNUAL RUNOFF (INCHES)	23.42					31.32					18.95	
10 PERCENT EXCEEDS	3030					4220					2360	
50 PERCENT EXCEEDS	1140					1410					886	
90 PERCENT EXCEEDS	563					548					339	

a From rating curve extended above 22,000 ft³/s on basis of slope-conveyance study.

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.

LOCATION.--Lat 33°47'17", long 83°28'27", Morgan-Oconee County line, Hydrologic Unit 03070101, on left bank 1,000 ft upstream from bridge on Price Mill Road, 3.0 mi southwest of Bishop, 4.0 mi upstream from Jacks Creek, and 4.0 mi northeast of Bostwick.

DRAINAGE AREA.--176 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1944 to December 1949, April 1977 to current year.

REVISED RECORDS.--WDR GA-91-1: 1946(M), 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 544.14 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good. Some regulation at low flow from High Shoals powerplant.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1400	5,220	6.36	Mar. 9	0315	5,360	6.44
Dec. 24	1615	4,920	6.19	Apr. 4	1645	2,510	4.51
Jan. 8	0145	2,630	4.60	Apr. 10	1830	2,400	4.42
Feb. 4	1130	*6,030	6.80				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	238	203	218	273	337	412	300	1300	525	121	77	55
2	150	225	191	255	313	369	322	796	286	122	90	112
3	132	206	178	246	1660	350	761	522	241	114	100	113
4	116	174	245	239	4970	323	2240	1240	226	100	75	157
5	107	154	261	236	4730	330	1380	864	260	118	74	101
6	109	159	209	234	2290	390	550	517	266	129	68	94
7	89	170	188	469	935	652	433	435	250	107	71	85
8	112	164	179	2370	598	3190	381	1440	232	109	74	98
9	76	150	190	1580	502	4790	1280	1470	213	116	89	58
10	103	141	212	646	436	2820	2140	925	183	118	104	67
11	78	136	221	431	411	1110	1180	775	232	93	88	68
12	88	135	195	361	409	651	519	602	214	104	89	69
13	98	193	180	332	363	548	426	435	190	132	87	67
14	85	384	176	318	339	485	439	381	183	116	108	65
15	70	317	170	366	323	448	529	350	189	89	162	64
16	97	235	163	525	596	422	464	326	172	101	202	64
17	74	202	158	484	1490	387	441	312	183	100	178	63
18	88	169	155	385	1230	385	418	297	180	80	143	63
19	100	168	152	584	727	399	702	279	176	107	123	64
20	95	160	149	607	522	372	899	265	238	108	102	67
21	102	161	149	431	446	352	665	251	261	100	179	76
22	71	705	204	398	420	336	1130	243	208	96	216	108
23	86	1180	259	585	605	317	771	235	186	100	117	68
24	92	642	2820	500	611	319	673	229	164	93	124	74
25	130	313	3040	398	451	312	508	223	149	101	98	69
26	2340	252	1720	335	393	304	414	218	146	93	91	67
27	1850	219	703	910	503	303	365	211	126	113	84	66
28	836	199	513	1070	513	295	345	217	133	109	79	65
29	341	191	404	656	---	293	331	215	148	110	52	71
30	238	225	347	439	---	285	709	219	124	95	71	87
31	194	---	305	374	---	279	---	382	---	103	94	---
TOTAL	8385	7932	14254	17037	27123	22228	21715	16174	6284	3297	3309	2345
MEAN	270	264	460	550	969	717	724	522	209	106	107	78.2
MAX	2340	1180	3040	2370	4970	4790	2240	1470	525	132	216	157
MIN	70	135	149	234	313	279	300	211	124	80	52	55
CFSM	1.54	1.50	2.61	3.12	5.50	4.07	4.11	2.96	1.19	.60	.61	.44
IN.	1.77	1.68	3.01	3.60	5.73	4.70	4.59	3.42	1.33	.70	.70	.50

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	168	237	246	361	430	415	334	223	170	143	142	126
MAX	613	969	647	799	969	816	734	536	525	390	531	420
(WY)	1996	1949	1984	1946	1998	1980	1979	1980	1994	1989	1994	1994
MIN	32.0	51.0	91.5	95.6	115	132	106	63.8	29.7	14.8	20.4	27.4
(WY)	1982	1982	1988	1981	1989	1988	1986	1986	1988	1986	1986	1981

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1944 - 1998

ANNUAL TOTAL	99993	150083	
ANNUAL MEAN	274	411	250
HIGHEST ANNUAL MEAN			411
LOWEST ANNUAL MEAN			94.3
HIGHEST DAILY MEAN	3890	Mar 1	6700
LOWEST DAILY MEAN	41	Aug 30	7.5
ANNUAL SEVEN-DAY MINIMUM	51	Sep 18	7.9
INSTANTANEOUS PEAK FLOW			11200
INSTANTANEOUS PEAK STAGE			8.90
ANNUAL RUNOFF (CFSM)	1.56		1.42
ANNUAL RUNOFF (INCHES)	21.13		19.32
10 PERCENT EXCEEDS	431		425
50 PERCENT EXCEEDS	176		159
90 PERCENT EXCEEDS	78		65

ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA.

LOCATION.--Lat 33°18'50", long 83°26'14", Putnam County, Hydrologic Unit 03070101, on right bank, 80 ft upstream from bridge on State Highway 16, 0.9 mi downstream from Gladys Creek, and 3.0 mi west of Eatonton.

DRAINAGE AREA.--262 mi².

PERIOD OF RECORD.--Water years 1971-77 (annual maximum), August 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 356.03 ft above sea level (leveling by Global Positioning System equipment). Feb. 19, 1970 to Aug. 1, 1977, crest-stage gage on downstream side of bridge 80 ft downstream. Aug. 2, 1977 to Aug. 25, 1987, water-stage recorder 80 ft downstream on downstream side of bridge and datum 4.00 ft higher. Aug. 26, 1987 to Dec. 10, 1995 at downstream side of bridge 80 ft downstream and at same datum. Dec. 11, 1995 to Aug. 8, 1997, water-stage recorder at site 20 ft. upstream at same datum.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 28	0015	3,820	16.37	Feb. 4	2300	7,500	23.12
Nov. 14	2100	2,350	12.90	Mar. 9	1415	*10,800	*26.31
Dec. 25	1630	8,520	24.47	Apr. 4	2015	3,570	15.81
Jan. 8	0130	3,060	14.66	Apr. 9	2015	2,140	12.36

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	290	438	348	380	506	347	912	165	62	87	57
2	135	721	295	310	348	427	327	717	141	59	69	54
3	108	423	238	293	2010	383	571	485	125	61	57	122
4	90	270	258	278	6410	353	2510	535	117	63	51	239
5	80	212	286	265	6290	431	2060	473	162	59	47	164
6	74	184	236	256	2340	981	861	375	252	57	45	106
7	71	203	206	463	1020	1300	593	336	192	54	42	87
8	68	205	192	2630	732	5080	492	380	153	54	60	78
9	67	173	282	1830	600	10300	1380	427	138	57	69	71
10	66	156	346	846	523	4500	1210	336	140	59	130	64
11	65	146	336	539	487	1480	630	357	147	54	98	59
12	66	141	276	436	478	925	486	305	138	71	75	59
13	64	248	240	419	429	722	416	266	125	76	64	57
14	66	1650	241	452	399	618	425	247	115	67	85	56
15	67	1400	272	854	371	546	504	236	107	61	733	54
16	74	593	231	1140	564	504	435	226	104	58	652	53
17	80	374	208	781	1420	476	396	219	109	68	266	53
18	85	293	197	550	1470	471	431	211	107	73	198	53
19	88	255	184	861	877	728	458	203	108	62	144	54
20	101	227	174	839	621	545	779	188	162	61	142	58
21	96	213	170	576	510	463	803	177	150	75	116	81
22	94	251	278	502	511	417	1240	171	121	81	102	134
23	104	232	363	775	1190	386	812	164	109	65	90	118
24	110	198	3720	692	876	369	594	160	101	62	82	85
25	165	178	8000	508	598	365	475	154	93	62	76	71
26	928	167	3980	423	493	349	402	149	85	65	71	65
27	3060	160	1210	961	533	339	356	141	79	64	68	61
28	2340	155	836	1290	645	331	330	136	75	64	64	61
29	620	157	629	824	---	325	311	132	72	70	62	67
30	359	406	508	541	---	315	438	144	67	61	58	94
31	265	---	416	442	---	312	---	189	---	65	57	---
TOTAL	9846	10281	25246	21924	33125	35247	21072	9151	3759	1970	3960	2435
MEAN	318	343	814	707	1183	1137	702	295	125	63.5	128	81.2
MAX	3060	1650	8000	2630	6410	10300	2510	912	252	81	733	239
MIN	64	141	170	256	348	312	311	132	67	54	42	53
CFSM	1.21	1.31	3.11	2.70	4.52	4.34	2.68	1.13	.48	.24	.49	.31
IN.	1.40	1.46	3.58	3.11	4.70	5.00	2.99	1.30	.53	.28	.56	.35

ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP
MEAN	135	178	246	365	577	519	362	209	125	96.6	130	70.9
MAX	833	885	814	838	1363	1137	941	604	273	388	496	192
(WY)	1990	1993	1998	1978	1995	1998	1983	1991	1991	1994	1994	1992
MIN	6.01	39.2	54.7	77.6	101	142	94.5	51.8	22.9	14.6	9.31	13.9
(WY)	1988	1988	1989	1981	1989	1988	1986	1986	1988	1986	1988	1987
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1977 - 1998	
ANNUAL TOTAL	116733					178016						
ANNUAL MEAN	320					488					249	
HIGHEST ANNUAL MEAN											488	
LOWEST ANNUAL MEAN											81.9	
HIGHEST DAILY MEAN	8000					10300					11400	
LOWEST DAILY MEAN	13					42					a1.9	
ANNUAL SEVEN-DAY MINIMUM	15					53					3.4	
INSTANTANEOUS PEAK FLOW						10800					b12600	
INSTANTANEOUS PEAK STAGE						26.31					28.78	
ANNUAL RUNOFF (CFSM)	1.22					1.86					.95	
ANNUAL RUNOFF (INCHES)	16.57					25.28					12.92	
10 PERCENT EXCEEDS	537					876					482	
50 PERCENT EXCEEDS	167					232					124	
90 PERCENT EXCEEDS	45					62					33	

a May have been less during the period of no gage-height record, Aug 2-8, 1986.

b Gage height, 24.40 ft, datum then in use.

ALTAMAHA RIVER BASIN

02221525 MURDER CREEK BELOW EATONTON, GA.

LOCATION.--Lat 33°15'08", long 83°28'53", Putnam County, Hydrologic Unit 03070101, in left bank 300 ft upstream from bridge on county road S-777, 3.0 mi downstream from Beaverdam Creek, 5.8 mi upstream from mouth, and 7.5 mi southwest of Eatonton.

DRAINAGE AREA.--190 mi².

PERIOD OF RECORD.--April 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 375.1 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good. Some diurnal fluctuation at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 25	1200	7,000	10.47	Feb. 4	1945	5,310	8.69
Jan. 8	1115	2,100	5.07	Mar. 9	0800	*8,310	*11.81

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	160	319	222	287	360	274	691	121	52	77	32
2	56	536	212	206	265	317	265	475	111	51	61	32
3	49	409	177	197	1480	292	452	366	99	52	51	98
4	49	198	189	190	4310	278	989	617	94	62	49	195
5	44	150	183	183	3830	390	1060	366	131	57	47	97
6	45	128	156	184	1460	1070	473	288	146	51	42	66
7	44	139	143	319	700	1170	326	255	118	47	39	57
8	41	127	138	1930	498	3370	284	265	104	46	56	52
9	39	111	249	1430	399	7150	537	240	98	45	95	49
10	41	103	261	519	341	2500	954	216	97	45	94	46
11	40	97	246	351	321	1090	435	211	95	43	71	44
12	38	94	214	288	323	665	311	192	91	100	56	45
13	37	204	189	283	284	492	270	181	85	183	50	45
14	37	872	188	321	269	427	313	175	80	99	56	43
15	37	1440	237	767	249	386	514	170	77	70	95	41
16	39	466	198	1050	412	357	351	167	75	62	77	40
17	41	253	178	694	1140	333	298	163	85	71	64	39
18	44	197	165	434	992	346	304	157	83	70	77	40
19	44	171	154	697	605	549	331	152	79	58	86	45
20	46	151	147	712	442	392	620	146	143	52	79	46
21	45	142	144	451	359	336	462	141	111	97	74	84
22	43	196	243	379	372	326	858	135	88	90	60	136
23	49	172	288	580	871	309	760	132	81	70	52	81
24	49	142	2070	480	622	290	473	127	78	66	49	65
25	84	129	5760	355	439	282	352	124	74	59	46	58
26	767	122	2220	302	368	269	289	119	68	54	44	55
27	1400	119	847	808	410	264	259	116	65	51	42	59
28	797	115	548	1050	452	260	235	113	61	58	40	69
29	231	117	381	572	---	255	228	110	59	67	36	66
30	154	324	308	398	---	248	327	121	55	58	35	91
31	124	---	256	326	---	251	---	135	---	79	33	---
TOTAL	4620	7584	17008	16678	22500	25024	13604	6866	2752	2065	1833	1916
MEAN	149	253	549	538	804	807	453	221	91.7	66.6	59.1	63.9
MAX	1400	1440	5760	1930	4310	7150	1060	691	146	183	95	195
MIN	37	94	138	183	249	248	228	110	55	43	33	32
CFSM	.78	1.33	2.89	2.83	4.23	4.25	2.39	1.17	.48	.35	.31	.34
IN.	.90	1.48	3.33	3.27	4.41	4.90	2.66	1.34	.54	.40	.36	.38

ALTAMAHA RIVER BASIN

02221525 MURDER CREEK BELOW EATONTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	78.4	119	163	253	392	366	262	145	80.5	77.9	87.3	47.4
MAX	322	583	549	559	858	807	674	359	154	351	468	115
(WY)	1990	1993	1998	1978	1995	1998	1983	1978	1989	1994	1984	1992
MIN	11.6	26.9	43.7	56.2	81.5	119	70.5	48.2	21.9	10.9	8.53	13.7
(WY)	1988	1982	1988	1989	1989	1989	1986	1986	1988	1986	1988	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1977 - 1998			
ANNUAL TOTAL	77074				122450				172			
ANNUAL MEAN	211				335				335			
HIGHEST ANNUAL MEAN									68.1			
LOWEST ANNUAL MEAN									7150			
HIGHEST DAILY MEAN	5760				7150				Mar 9			
LOWEST DAILY MEAN	15				32				Sep 1-2			
ANNUAL SEVEN-DAY MINIMUM	15				36				Aug 27			
INSTANTANEOUS PEAK FLOW					8310				Mar 9			
INSTANTANEOUS PEAK STAGE					11.81				Mar 9			
INSTANTANEOUS LOW FLOW					32				a			
ANNUAL RUNOFF (CFSM)	1.11				1.77				.90			
ANNUAL RUNOFF (INCHES)	15.09				23.97				12.29			
10 PERCENT EXCEEDS	368				695				314			
50 PERCENT EXCEEDS	114				157				87			
90 PERCENT EXCEEDS	34				45				27			

a Part or all of each day Aug 31 to Sep 3.

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.

LOCATION.--Lat 33°05'22", long 83°12'56", Baldwin County, Hydrologic Unit 03070102, on right bank at city of Milledgeville waterworks intake structure at Milledgeville, 0.5 mi upstream from bridge on State Highway 24, 3.8 mi downstream from Sinclair Dam, and at mile 139.1.

DRAINAGE AREA.--2,950 mi², approximately.

PERIOD OF RECORD.--September 1903 to current year.

REVISED RECORDS.--WSP 1142: 1928(M). WSP 1504: 1903-4, 1908, 1912-13, 1914(M), 1915-17. WSP 1554: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 230.84 ft above sea level. Prior to May 23, 1906, Jan. 1 to Oct. 5, 1909, Jan. 1, 1932, to Sept. 30, 1939, nonrecording gages at site 0.5 mi downstream, and Oct. 1, 1939, to Mar. 8, 1966, water-stage recorder, 0.3 mi downstream, all at present datum. May 23, 1906, to Dec. 31, 1908, and Oct. 6, 1909, to Dec. 31, 1931, nonrecording gages at Fraleys Ferry, 6.8 mi upstream at different datum.

REMARKS.--Records good, except for the periods of estimated daily discharge, which are fair to poor. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952. (See "Lakes and Reservoirs in Altamaha River Basin," stations 02220450 and 02225000.) Slight diurnal fluctuation and some regulation at low flow by Barnett Shoals powerplant since 1911, and prior to Sinclair Reservoir development.

AVERAGE DISCHARGE.--95 years, 3,311 ft³/s, 15.24 in/yr, adjusted for storage since 1953.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 46.7 ft in 1886 at site 0.5 mi downstream at present datum, from information furnished by Georgia Department of Transportation.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6710	5040	5390	7470	7540	7600	3820	6460	3320	678	1070	709
2	2450	2640	7490	3920	7510	7610	3740	7020	2200	680	672	748
3	1360	6100	4050	2660	15000	6520	5970	7640	2080	682	660	4930
4	716	3180	2990	2520	e63000	1760	26500	7710	1680	677	662	4120
5	690	2390	4300	3470	59300	4150	19600	7630	1990	681	663	2450
6	680	3050	3010	3810	35400	8040	7730	7600	2410	670	661	731
7	697	2190	2480	5520	26500	8280	7600	7590	2520	661	687	730
8	692	1480	1610	10800	12300	e41000	7730	7580	1880	662	645	1380
9	689	1380	1870	25600	7640	e75000	11900	3680	1690	1590	633	742
10	1380	1850	2870	14500	7610	e49000	12600	3310	1610	674	1940	729
11	668	1540	5990	7550	7600	16800	12300	7600	3010	665	1740	704
12	661	2640	4210	7520	7580	17600	14400	7360	2450	738	1650	702
13	1300	3920	2810	7470	7560	8430	7640	7530	1790	1600	1120	1020
14	671	7660	3290	7550	7540	7780	8460	7390	1820	1220	674	677
15	696	7530	3730	8320	4370	7720	8240	7490	1870	730	664	1130
16	1780	7360	1690	8190	5010	7700	7680	2380	1810	1370	2630	722
17	675	7380	2700	7670	7760	7180	7620	578	1640	682	2400	651
18	679	2520	1980	7600	11000	5620	7730	590	1670	1550	1770	627
19	678	1880	2000	7840	10700	5990	7610	2200	1590	663	1080	589
20	1140	1140	1610	7670	7650	5940	7590	4190	2040	1150	1550	582
21	738	2700	1550	7590	7640	6060	7610	4890	1600	885	2500	597
22	1140	5100	4730	7690	7790	5440	7700	3630	1630	657	2480	630
23	1610	7500	6100	7810	12300	3630	8950	2980	1560	1350	1100	624
24	2040	5780	23500	7620	9940	3970	11500	3000	1990	1100	598	669
25	1200	5700	57000	7590	7660	3020	7600	2860	1530	687	1510	737
26	5080	3680	37900	7570	7630	2520	7550	2550	1530	677	1610	804
27	23200	744	13900	10600	7630	3130	7520	2020	736	652	1300	678
28	18300	1370	7650	18900	7620	3120	7480	1960	730	662	1010	734
29	10500	2450	7590	9130	---	3120	7120	1870	1390	1080	711	1230
30	7450	3110	7570	7580	---	4200	6820	1780	1330	1110	1120	702
31	7410	---	7520	7560	---	3130	---	2280	---	644	1330	---
TOTAL	103680	111004	241080	257290	386780	341060	276310	143348	55096	27527	38840	32078
MEAN	3345	3700	7777	8300	13810	11000	9210	4624	1837	888	1253	1069
MAX	23200	7660	57000	25600	63000	75000	26500	7710	3320	1600	2630	4930
MIN	661	744	1550	2520	4370	1760	3740	578	730	644	598	582
MEAN†	3296	3659	7782	8427	13740	10830	8999	4781	1812	902	1185	1099
CFSM†	1.12	1.24	2.64	2.86	4.66	3.67	3.05	1.62	.61	.31	.40	.37
IN.†	1.29	1.38	3.04	3.29	4.85	4.23	3.40	1.87	.69	.35	.46	.42

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	1789	1969	3001	4652	6048	6388	4582	3043	2096	1655	1525	1220
MAX	8495	7929	7946	8879	13810	14030	11780	9288	7142	5081	6372	2811
(WY)	1990	1993	1993	1978	1998	1971	1964	1964	1963	1994	1994	1994
MIN	344	330	458	642	1454	1747	969	670	449	334	473	427
(WY)	1955	1982	1988	1956	1989	1988	1986	1986	1988	1979	1987	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1953 - 1998			
ANNUAL TOTAL	1356075				2014093							
ANNUAL MEAN	3715				5518				3150			
HIGHEST ANNUAL MEAN	†3736				†5494				5581			
LOWEST ANNUAL MEAN									1133			
HIGHEST DAILY MEAN	57000				e75000				81500			
LOWEST DAILY MEAN	343				578				90			
ANNUAL SEVEN-DAY MINIMUM	412				614				129			
INSTANTANEOUS PEAK FLOW					86000				122000			
INSTANTANEOUS PEAK STAGE					a41.1				42.90			
ANNUAL RUNOFF (CFSM)	1.26				†1.27				1.07			
ANNUAL RUNOFF (INCHES)	17.10				†17.20				14.51			
10 PERCENT EXCEEDS	7580				8660				7300			
50 PERCENT EXCEEDS	2100				2870				1880			
90 PERCENT EXCEEDS	666				677				413			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1952, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1888	2043	3515	4813	5561	6595	4616	2952	2449	2615	2589	1776
MAX	10320	9920	9229	18190	11600	23940	22360	13370	8217	7931	13810	8787
(WY)	1930	1949	1949	1925	1929	1929	1936	1923	1912	1919	1928	1924
MIN	401	723	1232	1713	1471	1974	1923	1079	1061	798	348	239
(WY)	1939	1942	1934	1934	1938	1918	1904	1941	1914	1952	1925	1925

SUMMARY STATISTICS WATER YEARS 1903 - 1952

ANNUAL MEAN	3442
HIGHEST ANNUAL MEAN	5726
LOWEST ANNUAL MEAN	1885
HIGHEST DAILY MEAN	82300
LOWEST DAILY MEAN	90
ANNUAL SEVEN-DAY MINIMUM	94
INSTANTANEOUS PEAK FLOW	c95000
INSTANTANEOUS PEAK STAGE	a38.70
ANNUAL RUNOFF (CFSM)	1.17
ANNUAL RUNOFF (INCHES)	15.85
10 PERCENT EXCEEDS	6480
50 PERCENT EXCEEDS	2100
90 PERCENT EXCEEDS	882

† Adjusted for change in contents in Lake Oconee and Sinclair Reservoir

a From floodmarks.

b Aug 31 and Sep 1,7,9-13,23-25, 1925.

c From rating curve extended above 77,000 ft³/s.

e Estimated.

ALTAMAHA RIVER BASIN

02223056 OCONEE RIVER AT AVANT MINE NEAR OCONEE, GA.

LOCATION.--Lat 32°56'23", long 83°04'01", Washington County, Hydrologic Unit 03070102, on left bank, 1.1 mi downstream from Gumm Creek, 1.6 mi upstream from Bluff Creek, and 8.8 mi northwest of Oconee.

DRAINAGE AREA.-- 3,100 mi², approximately.

PERIOD OF RECORD.--November 1992 to current year, discharges less than 8,800 ft³/s only.

GAGE.-- Water-stage recorder. Datum of gage is 203.36 ft above sea level (levels by Georgia Power Company).

REMARKS.--Records fair to poor. Flow regulated by Lake Oconee and Sinclair Reservoir (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500).

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 20.67 ft Mar. 9, minimum daily discharge 713 ft³/s, Sept. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7400	7000	4900	7430	---	e8400	e4500	7010	3440	e1500	e1100	e1200
2	4910	2660	6950	6050	---	e8200	e4800	6790	3560	e1300	e1100	e1200
3	2290	5310	6450	3510	---	e7800	e5000	7310	2850	e1000	e1050	e1300
4	1650	4480	2970	2860	---	e6300	e7700	7700	2470	e990	e960	5600
5	943	2730	3280	3620	---	e4800	---	7580	2440	e960	e880	3520
6	849	3050	4500	3840	---	e6000	---	7430	2840	e940	e880	e2900
7	817	3020	3650	4740	---	---	7970	7350	3220	e1000	e910	e2300
8	799	1950	1780	7580	---	---	7610	7360	2840	e920	e980	e2000
9	774	1640	2140	---	---	---	---	e6700	2430	e920	e900	e1700
10	768	1770	2980	---	8050	---	---	e6800	2210	e1400	e1050	e1300
11	1390	1780	4900	---	e8100	---	---	e6400	e2200	e1100	e1600	830
12	771	1610	5240	---	e8100	---	---	7080	e2800	e940	e1900	811
13	726	4120	3650	---	e8100	---	---	7140	e3000	e1100	e1900	801
14	1310	6910	3220	---	e8100	---	7970	7130	2540	e1500	e1500	1040
15	766	7840	4130	---	e8000	e8000	---	7120	e2500	e1600	e1400	769
16	809	7460	3610	---	e8000	e7900	8270	e7000	e2300	e1300	e1100	1150
17	1730	7150	2110	---	e7700	e7800	7810	e4800	e2200	e1400	e2300	792
18	785	5050	2840	e8100	---	e8000	8080	e2000	e2100	e1300	e2600	760
19	746	2490	2260	e8100	---	e7700	7940	e1600	e2100	e1400	e2100	735
20	731	2140	1930	8120	---	e7300	7770	e2400	e2000	e1200	e1600	713
21	1150	1710	1850	e8000	---	e7200	7630	e4100	e2100	e1300	e1700	757
22	795	3840	3330	e8000	---	e6700	7670	e4800	e2000	e1200	e2400	852
23	1130	7000	6240	8290	---	e5900	7720	e4000	e2100	e1050	e2600	831
24	1700	6500	---	8140	---	e5300	---	e3300	e1900	e1300	e1700	769
25	2090	5620	---	e8000	---	e4700	---	e3400	e2200	e1400	e1300	794
26	2470	5320	---	e8000	---	e4200	7560	e3000	e2000	e1100	e1400	793
27	---	2270	---	---	---	e4100	7400	e2700	e1800	e980	e1700	834
28	---	1150	---	---	---	e4400	7320	e2500	e1400	e960	e1600	785
29	---	1750	7970	---	---	e4400	7120	2610	e1100	e960	e1200	799
30	---	4030	7640	---	---	e4300	7140	2480	e1400	e1100	e1050	1260
31	7350	---	7500	---	---	e4700	---	2560	---	e1300	e1200	---
TOTAL	---	119350	---	---	---	---	---	160150	70040	36420	45660	39895
MEAN	---	3978	---	---	---	---	---	5166	2335	1175	1473	1330
MAX	---	7840	---	---	---	---	---	7700	3560	1600	2600	5600
MIN	---	1150	---	---	---	---	---	1600	1100	920	880	713

e Estimated

ALTAMAHA RIVER BASIN

02223248 OCONEE RIVER NEAR OCONEE, GA.

LOCATION.--Lat 32°47'14", long 82°57'26", Wilkinson County, Hydrologic Unit 03070102, on right bank 0.4 mi upstream from State Highway 57, 0.5 mi upstream from Oochee Creek, and 6 mi south of Oconee, at mile 96.6.

DRAINAGE AREA.--3,770 mi².

PERIOD OF RECORD.--November 1992 to current year.

REVISED RECORDS.--WDR-GA-96-1:1993-95 (M).

GAGE.--Water-stage recorder. Datum of gage is 171.83 ft above sea level.

REMARKS.--Records good. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952 (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9530	12700	5770	12300	e14000	11500	4740	9940	2950	1720	1240	1520
2	8290	9780	7440	11000	e14000	11200	5100	10100	3590	1370	1230	1280
3	4050	5060	9950	7710	e13000	10800	5390	10000	2990	1130	1230	1460
4	2260	6620	7690	4680	e24000	9770	8430	10500	2720	1110	1040	5110
5	1570	4550	4700	4130	e40000	5240	13300	10800	2420	1090	1020	5650
6	1190	3320	5170	4720	e64000	6770	20700	10700	2630	1080	1010	4680
7	1070	3680	4670	5100	e60000	11200	19500	10500	2930	1080	1010	3180
8	1030	3010	3370	7600	e40000	14700	15200	10200	2990	1070	1020	2210
9	992	2180	2810	10800	e30000	e28000	13300	9900	2570	1060	1060	2100
10	958	1960	3610	14300	19600	e76000	13300	7070	2380	1650	1140	1690
11	1250	2260	5240	19500	15000	e74000	15000	5090	2270	1310	1780	1380
12	1160	2080	7670	18100	13000	e54000	15200	8180	2980	1120	2090	1270
13	928	3350	6870	14700	11900	e36000	15400	8730	3050	1220	2070	1210
14	1140	6560	5200	12400	11300	e24000	15100	8900	2430	1670	1680	1340
15	1140	9360	5670	11600	10800	e18000	14400	8870	2440	1700	1530	1250
16	963	11000	6000	12900	8360	e14000	14200	8770	2290	1390	1270	1260
17	1530	11500	4250	14600	7830	12100	13900	5020	2320	1570	2500	1380
18	1290	10500	4120	15000	10600	11400	13500	2310	2240	1420	2700	1100
19	1040	5720	3550	14100	11800	10400	13300	1940	2240	1720	2310	1120
20	992	3230	3190	13400	13500	9870	13100	2850	2110	1360	1860	1090
21	1140	2450	2740	12900	13300	9430	12600	4640	2400	1380	1950	1170
22	1160	3410	3230	12600	12400	9140	11800	5240	2130	1340	2540	1860
23	1130	6210	7140	13100	12100	8230	11400	4440	2290	1210	2780	1660
24	1600	8360	9900	13700	12800	6180	11400	3640	2000	1470	1900	1430
25	2180	7970	14200	13700	14200	5830	12500	3580	2380	1530	1380	1440
26	2100	7250	36100	13000	14100	5080	12300	3420	2090	1270	1620	1440
27	6010	5380	53000	12400	13000	4580	11600	3150	1950	1100	1920	1370
28	10400	2290	40200	e13000	12000	4780	10700	2730	1540	1060	1790	1270
29	14300	2100	25300	e13000	---	4700	10000	2630	1240	1060	1470	1240
30	17300	3970	17200	e16000	---	4610	9680	2610	1600	1180	1200	1930
31	15400	---	14200	e15000	---	5330	---	2790	---	1490	1290	---
TOTAL	115093	167810	330150	377040	536590	516840	376040	199240	72160	40930	50630	56090
MEAN	3713	5594	10650	12160	19160	16670	12530	6427	2405	1320	1633	1870
MAX	17300	12700	53000	19500	64000	76000	20700	10800	3590	1720	2780	5650
MIN	928	1960	2740	4130	7830	4580	4740	1940	1240	1060	1010	1090

ALTAMAHA RIVER BASIN

02223248 OCONEE RIVER NEAR OCONEE, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	3424	4556	5909	7310	11100	11110	6184	3404	2383	2416	2213	1734
MAX	7142	8209	10650	12160	19160	16670	12530	6427	2944	7508	6706	3045
(WY)	1995	1993	1998	1998	1998	1998	1998	1998	1995	1994	1994	1994
MIN	626	1304	2607	3405	5002	6916	2479	1567	1720	868	660	1036
(WY)	1994	1994	1994	1994	1994	1997	1997	1994	1993	1993	1993	1996

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1993 - 1998	
ANNUAL TOTAL	1681161			2838613				
ANNUAL MEAN	4606			7777			4955	†4968
HIGHEST ANNUAL MEAN	†4627			†7753			7777	1998
LOWEST ANNUAL MEAN							3416	1997
HIGHEST DAILY MEAN	53000			76000			76000	Mar 10 1998
LOWEST DAILY MEAN	536			928			482	Aug 3 1993
ANNUAL SEVEN-DAY MINIMUM	574			1040			512	Aug 25 1993
INSTANTANEOUS PEAK FLOW				97000			97000	Mar 10 1998
INSTANTANEOUS PEAK STAGE				a29.90			a29.90	Mar 10 1998
ANNUAL RUNOFF (CFSM)	1.22			†1.23			1.31	†1.32
ANNUAL RUNOFF (INCHES)	16.59			†16.67			17.86	†17.90
10 PERCENT EXCEEDS	11200			14600			12400	
50 PERCENT EXCEEDS	2520			4640			2940	
90 PERCENT EXCEEDS	841			1180			851	

† Adjusted for change in contents in Lake Oconee and Sinclair Reservoir.

a From floodmarks.

e Estimated.

ALTAMAHA RIVER BASIN

02223500 OCONEE RIVER AT DUBLIN, GA.

LOCATION.--Lat 32°32'40", long 82°53'41", Laurens County, Hydrologic Unit 03070102, near left bank on downstream end of pier of bridge on U.S. Highway 80 at Dublin, and at mile 74.3.

DRAINAGE AREA.--4,400 mi², approximately.

PERIOD OF RECORD.--January 1894 to September 1897 (gage heights only), October 1897 to current year. Gage-height records collected at same site since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 1504: 1898- 1903, 1905- 6, 1908-9, 1912, 1913(M), 1925(M).

GAGE.--Water-stage recorder. Datum of gage is 149.08 ft above sea level. Prior to Apr. 14, 1932, nonrecording gage and Apr. 15, 1932, to June 17, 1934, water-stage recorder at site 420 ft downstream at datum 3.0 ft higher, Oct. 1, 1933, to July 17, 1934 corrected to present datum. July 18, 1934, to Apr. 14, 1936, water-stage recorder, April 15, 1936, to Oct. 12, 1938, nonrecording gage, and Oct. 13, 1938, to Jan. 20, 1953, water-stage recorder at site 80 ft upstream at present datum.

REMARKS.--Records good. Flow regulated by Lake Oconee and Sinclair Reservoir (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500). Records of chemical analyses for the water years 1968-73 and continuous water temperature record collected October 1963 to September 1964 and June 1979 to September 1983 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--101 years (water years 1898-1998), 4,932 ft³/s, 15.22 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, that of Apr. 12, 13, 1936.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 28	1730	46,700	27.23	Mar. 11	1845	*85,000	*32.00
Feb. 7	1630	70,700	30.53	Apr. 8	2100	20,200	20.08

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9390	14500	6250	20600	16100	12800	6120	10500	3010	1470	1300	1220
2	9150	13600	7260	16300	14900	12100	5860	10600	3490	1420	1020	1360
3	7220	10900	8780	13200	14800	11600	6200	10500	3400	1050	1180	2620
4	3560	7930	9720	9500	19400	11200	7670	10700	2780	990	982	7120
5	2220	6600	7540	5940	24300	9760	10000	10900	2430	970	905	8670
6	1490	4420	5640	5570	48000	7160	11900	10900	2420	951	890	7520
7	1260	4100	5790	5780	68500	9710	16400	10800	2720	949	882	5910
8	1170	3890	4870	7240	64500	13100	19700	10700	2980	940	898	3630
9	1120	2830	3230	9640	52800	20600	18800	10400	2670	922	1080	2450
10	1080	2310	3690	11000	42600	39800	16500	9960	2330	1040	1770	2270
11	1090	2320	5150	12400	31900	76300	14800	6560	2170	1450	1510	1660
12	1470	2370	7230	15600	23400	77500	14600	7370	2310	1060	1970	1430
13	1110	3410	8610	17700	18000	60000	14900	8530	3060	1050	1970	1330
14	1030	6560	7740	16500	14600	44700	15300	8900	2500	1180	1850	1270
15	1390	8550	7290	14500	12700	33200	15800	9000	2260	1640	1730	1420
16	1130	9800	7720	13500	11600	24500	15400	8990	2100	1440	1480	1190
17	1220	10500	7060	13500	10300	18800	14900	8010	2210	1190	1890	1460
18	1840	10900	5540	14200	10300	15300	15800	3800	2180	1510	2640	1220
19	1300	10000	5180	14800	11100	13700	15600	2220	2080	1250	2420	1210
20	1180	5780	4250	14600	11700	12500	14800	2040	1980	1550	2140	1310
21	1120	3580	3600	14000	12400	11600	14000	4150	2040	1130	1810	1390
22	1380	3190	4100	13400	12900	10900	13300	5030	2110	1320	2100	2190
23	1180	5310	7120	13900	13000	10400	12600	5290	2050	1180	2610	2470
24	1480	7610	10400	14100	12800	9180	12000	4080	1850	1070	2340	1930
25	2220	8450	13900	14200	12700	7450	11700	3710	2000	1430	1550	1630
26	3080	8150	15400	14000	13300	6890	11900	3590	2020	1320	1180	1590
27	6020	7330	28300	13800	13900	6000	11900	3300	1750	1060	1630	1490
28	9040	4250	44800	13500	13500	5880	11600	2800	1690	995	1720	1430
29	10400	2450	44100	13300	---	5820	11100	2560	1170	968	1480	1350
30	11600	3750	36000	14100	---	5680	10600	2610	1140	958	1250	2370
31	13500	---	27100	15600	---	5830	---	3050	---	1210	1020	---
TOTAL	111440	195340	363360	405970	626000	609960	391750	211550	68900	36663	49197	74110
MEAN	3595	6511	11720	13100	22360	19680	13060	6824	2297	1183	1587	2470
MAX	13500	14500	44800	20600	68500	77500	19700	10900	3490	1640	2640	8670
MIN	1030	2310	3230	5570	10300	5680	5860	2040	1140	922	882	1190

ALTAMAHA RIVER BASIN

02223500 OCONEE RIVER AT DUBLIN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2280	2502	4206	6669	8914	9823	7356	4254	2836	2349	2123	1612
MAX	9883	8254	12390	13100	22360	19680	17960	13390	8439	8767	7706	3625
(WY)	1990	1993	1993	1998	1998	1998	1964	1964	1966	1963	1994	1975
MIN	469	556	827	1199	2278	2649	1493	833	560	554	647	607
(WY)	1955	1982	1988	1956	1989	1955	1986	1986	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1953 - 1998		
ANNUAL TOTAL	1821215			3144240					
ANNUAL MEAN	4990			8614			4555		
HIGHEST ANNUAL MEAN	†5011			†8590			8614		
LOWEST ANNUAL MEAN							1722		
HIGHEST DAILY MEAN	44800			77500			77500		
LOWEST DAILY MEAN	638			882			351		
ANNUAL SEVEN-DAY MINIMUM	646			965			392		
INSTANTANEOUS PEAK FLOW				85000			85000		
INSTANTANEOUS PEAK STAGE				32.00			32.00		
ANNUAL RUNOFF (CFSM)	1.13			†1.14			1.04		
ANNUAL RUNOFF (INCHES)	15.40			†15.47			14.07		
10 PERCENT EXCEEDS	11000			15600			10600		
50 PERCENT EXCEEDS	2880			5780			2600		
90 PERCENT EXCEEDS	983			1180			818		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1898 - 1952, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2848	2733	5086	7159	8840	10560	7456	4405	3691	3860	3751	2789
MAX	19950	8725	20580	34640	19780	42160	32310	15670	13020	15120	24500	14950
(WY)	1930	1948	1949	1925	1903	1929	1936	1923	1912	1919	1928	1898
MIN	609	1001	1778	2474	2197	2582	2587	1421	1128	1111	878	495
(WY)	1905	1932	1934	1898	1898	1898	1918	1941	1898	1952	1925	1925

SUMMARY STATISTICS WATER YEARS 1898 - 1952

ANNUAL MEAN	5250
HIGHEST ANNUAL MEAN	9501
LOWEST ANNUAL MEAN	2654
HIGHEST DAILY MEAN	94900
LOWEST DAILY MEAN	350
ANNUAL SEVEN-DAY MINIMUM	367
INSTANTANEOUS PEAK FLOW	97700
INSTANTANEOUS PEAK STAGE	32.97
INSTANTANEOUS LOW FLOW	a333
ANNUAL RUNOFF (CFSM)	1.19
ANNUAL RUNOFF (INCHES)	16.21
10 PERCENT EXCEEDS	10900
50 PERCENT EXCEEDS	3220
90 PERCENT EXCEEDS	1310

† Adjusted for change in contents in Lake Oconee and Sinclair Reservoir.

a Gage height, 0.48 ft

ALTAMAHA RIVER BASIN

02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA.

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

DRAINAGE AREA.--4,400 mi², approximately.

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

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500). Discharge obtained from gaging station 02223500, Oconee River at Dublin, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	1310	81341	1170	168	173	7.3	7.2	18.9	19.5	8.1	87
NOV 20...	1200	81341	5490	85	85	7.1	6.6	11.7	15.0	6.9	64
DEC 18...	1200	81341	5330	86	87	7.2	6.7	8.5	14.0	8.6	73
FEB 12...	0815	81341	24300	50	49	6.4	6.6	10.0	8.0	9.2	82
FEB 19...	0715	81341	11000	59	59	6.7	6.8	11.0	7.0	8.6	79
MAR 18...	0720	81341	15900	54	52	6.7	6.6	12.0	9.5	8.4	78
APR 01...	0715	81341	6270	69	67	6.8	6.9	18.0	20.0	8.6	92
MAY 13...	0630	81341	8440	64	63	6.8	6.8	21.0	15.0	7.6	86
JUN 10...	0615	81341	2370	108	106	6.9	7.0	25.0	22.0	5.3	64
JUL 08...	0630	81341	941	165	163	6.8	7.0	29.0	22.0	3.7	48
AUG 26...	0400	81341	1190	148	143	6.6	6.8	28.0	23.0	3.8	49
SEP 08...	0400	81341	4260	127	122	6.2	6.5	26.0	23.0	5.4	67

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
OCT 23...	81341	10	7.0	17	1.5	25	9
NOV 20...	81341	60	11	18	1.2	17	6
DEC 18...	81341	60	13	16	<1.0	16	8
FEB 12...	81341	120	30	10	<1.0	13	4
FEB 19...	81341	110	38	31	1.1	13	34
MAR 18...	81341	--	37	--	<1.0	13	--
APR 01...	81341	110	36	20	1.2	12	25
MAY 13...	81341	110	38	19	<1.0	16	36
JUN 10...	81341	30	13	10	1.3	21	15
JUL 08...	81341	10	5.0	16	1.4	25	6
AUG 26...	81341	30	9.0	12	<1.0	21	12
SEP 08...	81341	60	15	18	1.2	11	21

ALTAMAHA RIVER BASIN

02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	81341	.340	.060	.34	.40	.74	.080	4.0
NOV 20...	81341	.090	<.030	--	.40	.49	.030	6.0
DEC 18...	81341	.170	<.030	--	.30	.47	.040	5.0
FEB 12...	81341	.330	.040	.26	.30	.63	.030	4.0
MAR 19...	81341	.340	.040	.36	.40	.74	.070	4.0
APR 18...	81341	.330	.040	--	--	--	.060	4.0
MAY 01...	81341	.350	<.030	--	.40	.75	.050	4.0
JUN 13...	81341	.400	<.030	--	.40	.80	.080	4.0
JUL 10...	81341	.370	.060	.34	.40	.77	.070	4.0
AUG 08...	81341	.380	.070	.43	.50	.88	.060	5.0
SEP 26...	81341	.270	.050	.35	.40	.67	.060	5.0
OCT 08...	81341	.100	<.030	--	.40	.50	.070	8.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 09...	1530	81213	1110	170	6.7	24.9	29.0	7.4	89	<20
NOV 16...	1115	81213	1110	144	7.0	22.0	17.1	7.0	80	3300
DEC 23...	1310	81341	1170	168	7.3	18.9	19.5	8.1	87	1300
NOV 20...	1200	81341	5490	85	7.1	11.7	15.0	6.9	64	140
DEC 18...	1200	81341	5330	86	7.2	8.5	14.0	8.6	73	110
JAN 28...	0755	81213	13500	38	6.9	9.5	6.0	9.6	85	80
FEB 12...	0815	81341	24300	50	6.4	10.0	8.0	9.2	82	230
MAR 17...	0730	81341	10500	69	6.6	13.0	17.0	8.2	79	220
APR 19...	0715	81341	11000	59	6.7	11.0	7.0	8.6	79	700
MAY 13...	0630	81341	8440	64	6.8	21.0	15.0	7.6	86	220
JUN 20...	0630	81213	1920	126	6.9	23.0	18.0	6.1	72	490
JUL 27...	0630	81213	3360	94	6.9	25.0	21.0	5.5	67	220
AUG 10...	0615	81341	2370	108	6.9	25.0	22.0	5.3	64	3300
SEP 26...	0400	81341	1190	148	6.6	28.0	23.0	3.8	49	1300
OCT 31...	0600	81213	1030	153	6.6	29.0	24.0	3.5	46	110
NOV 08...	0400	81341	4260	127	6.2	26.0	23.0	5.4	67	220
DEC 23...	0400	81213	2540	136	6.4	26.0	23.0	5.3	66	490

ALTAMAHA RIVER BASIN

02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	1315	81213	1170	168	7.3	18.9	19.5	8.1	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	MAGNE- ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 23...	81213	8.1	2.0	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 23...	81213	<1.0	<2.0	<.1	<1.0	<2.0	15

ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.

LOCATION.--Lat 31°56'20", long 82°21'13", Appling-Toombs County line, Hydrologic Unit 03070106, on right bank 400 ft downstream from bridge on U.S. Highway 1, 2.2 mi upstream from Bay Creek, 8 mi downstream from Bullards Creek, and 12 mi north of Baxley.

DRAINAGE AREA.--11,600 mi², approximately.

PERIOD OF RECORD.--August 1949 to June 1951, October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.51 ft above sea level. Aug. 13, 1949, to June 30, 1951, nonrecording gage at site 400 ft upstream at same datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.-- Flood of Dec. 10, 1948, reached a stage of 25.1 ft, from floodmarks, discharge, 130,000 ft³/s. Flood of January 1925 reached a stage of 30.0 ft, from information furnished by Georgia Department of Transportation.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 25,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 7	1700	25,000	13.64	Feb. 12	1200	106,000	22.11
Dec. 4	2000	30,100	14.70	Mar. 16	1800	*144,000	*24.15
Jan. 3	0800	78,500	20.20	Apr. 25	1000	47,300	17.20

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8400	15100	18700	72800	43300	44400	20900	31600	7800	4150	3690	5030
2	9740	16300	22300	76700	40900	44100	19600	31500	7910	3850	3830	4340
3	10800	17900	26900	78000	40600	42900	18700	31400	7940	3760	4060	4250
4	11500	19700	29700	75600	44800	40900	17900	31100	8180	3650	4220	4550
5	12000	21700	29800	69400	54800	38600	17200	30200	8280	3410	4300	6430
6	10600	23600	28800	61600	63900	36800	16900	29400	8010	3220	4080	9260
7	8140	24800	27700	53800	68800	35900	17200	28800	7730	3110	3810	11500
8	7190	24200	26400	46200	71800	36400	18400	28300	7670	3030	3710	14100
9	6920	22300	24400	38400	79000	47800	22200	27800	7930	3020	3600	16200
10	6350	20700	22200	32800	91700	68100	31700	27100	8330	3050	3560	16500
11	4930	18800	20200	29600	101000	79000	40400	26400	8380	3110	3580	14500
12	4040	16500	19500	28000	105000	80800	44900	25700	8060	3240	3840	12500
13	3700	15300	19700	27400	103000	89000	45000	24900	7730	3480	4050	10400
14	3720	16000	20900	27400	95600	110000	43300	23600	7620	3380	4580	7790
15	3640	18100	23800	28900	83600	131000	42900	22200	7720	3310	4940	6040
16	3620	20100	28300	32200	71500	142000	44500	21400	7000	3490	4910	5280
17	3680	21300	32900	36500	63300	141000	46000	20900	6310	3840	4740	4930
18	3480	21700	35400	39700	57300	127000	46400	20300	5960	4080	4740	4590
19	3370	21900	35100	41100	51800	111000	45400	19600	5700	3970	5190	4420
20	3620	22100	33800	40900	45700	95400	43900	17800	5530	3910	6090	4290
21	3610	22300	32200	40300	39700	81100	43100	14000	5320	3780	6440	4340
22	3480	22400	30500	40200	35900	68300	43200	11700	5150	3900	6450	4380
23	3390	21100	28600	42500	35600	57900	44200	11700	5150	3740	6310	4560
24	3420	17800	29000	46900	37400	50200	46100	12100	5240	3640	6450	5080
25	3450	16500	33600	49800	39400	43700	46900	12000	5250	3620	6770	5630
26	3930	17000	40500	50300	40800	38400	45200	11000	5290	3490	6620	5630
27	5680	17700	46100	50100	42000	34500	41800	9910	5370	3670	6060	5500
28	8360	17900	48700	49700	43500	30900	37900	9240	5340	3790	5740	5460
29	11100	17700	51800	49000	---	27400	34600	8640	4910	3550	5870	5370
30	12900	17600	57000	47700	---	24500	32200	8050	4570	3360	6030	6390
31	14000	---	65100	45800	---	22400	---	7830	---	3360	5750	---
TOTAL	202760	586100	989600	1449300	1691700	2021400	1058600	636170	201380	109960	154010	219240
MEAN	6541	19540	31920	46750	60420	65210	35290	20520	6713	3547	4968	7308
MAX	14000	24800	65100	78000	105000	142000	46900	31600	8380	4150	6770	16500
MIN	3370	15100	18700	27400	35600	22400	16900	7830	4570	3020	3560	4250
CFSM	.56	1.68	2.75	4.03	5.21	5.62	3.04	1.77	.58	.31	.43	.63
IN.	.65	1.88	3.17	4.65	5.43	6.48	3.39	2.04	.65	.35	.49	.70

ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5609	6190	10790	17050	23660	25930	19620	10260	7046	6404	6303	4987
MAX	24560	19540	31920	46750	60420	65210	41730	20630	19380	32470	19600	13860
(WY)	1995	1998	1998	1998	1998	1998	1975	1975	1973	1994	1994	1949
MIN	1864	2115	2763	3395	4803	9112	5635	2576	2302	1796	1902	2228
(WY)	1982	1982	1988	1981	1989	1985	1986	1986	1988	1988	1988	1997

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1949 - 1998			
ANNUAL TOTAL	4792270				9320220							
ANNUAL MEAN	13130				25530				12060			
HIGHEST ANNUAL MEAN									25530			
LOWEST ANNUAL MEAN									5210			
HIGHEST DAILY MEAN	65100				Dec 31				142000			
LOWEST DAILY MEAN	1800				Sep 25				Jul 9			
ANNUAL SEVEN-DAY MINIMUM	1820				Sep 20				Jul 6			
INSTANTANEOUS PEAK FLOW									144000			
INSTANTANEOUS PEAK STAGE									Mar 16			
ANNUAL RUNOFF (CFSM)	1.13				2.20				Mar 16			
ANNUAL RUNOFF (INCHES)	15.37				29.89				24.15			
10 PERCENT EXCEEDS	29700				54200				1.04			
50 PERCENT EXCEEDS	8030				18100				14.12			
90 PERCENT EXCEEDS	3200				3710				26500			
									7270			
									2750			

ALTAMAHA RIVER BASIN

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.

LOCATION.--Lat 32°04'42", long 82°10'39", Tattnall County, Hydrologic Unit 03070107, on downstream side of pier near center span of bridge on State Highway 56, 0.5 mi downstream from Brazells Creek, 1.5 mi downstream from Rocky Creek, 3.5 mi west of Reidsville, 6 mi downstream from Pendleton Creek, and 14 mi upstream from mouth.

DRAINAGE AREA.--1,110 mi², approximately.

PERIOD OF RECORD.--April 1903 to December 1907, April 1937 to current year. Monthly discharge only for April to June 1903, April to May 1937, published in WSP 1304.

REVISED RECORDS.--WSP 822: Drainage area. WSP 892: 1938(M). WSP 1504: 1905. WDR GA-84-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 73.8 ft above sea level (levels by Georgia Department of Transportation). Prior to

Feb. 15, 1941, nonrecording gage at same site, at different datum June 13, 1903, to Dec. 31, 1907, and at same datum May 25, 1937, to Feb. 15, 1941.

REMARKS.--Records fair. Periods of monthly discharge only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 28.4 ft in January 1925, from information furnished by Georgia Department of Transportation; discharge, 47,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 3	1900	4,040	12.65	Feb. 24	1400	5,490	14.25
Dec. 18	2200	4,010	12.67	Mar. 11	2000	*23,300	*22.50
Dec. 29	2100	13,200	19.10	Mar. 21	1200	6,960	15.56
Jan. 28	2200	6,990	15.59	Apr. 10	1100	8,590	16.79
Feb. 8	0400	15,700	20.09	Apr. 23	0600	5,290	14.05

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	1530	2500	6730	4740	4400	2110	2240	172	61	82	67
2	415	2210	3550	5240	4380	4160	1990	2270	197	61	80	65
3	498	2470	3990	4340	4170	3980	1860	2020	307	66	76	111
4	440	2310	3930	3750	5190	3760	1750	2080	324	63	73	182
5	326	2050	3610	3300	7670	3450	1670	2330	326	60	70	284
6	235	1790	3230	2980	10900	3280	1620	2550	344	57	68	378
7	179	1640	2810	2760	14600	3420	1620	2960	364	55	72	482
8	145	1560	2430	2870	15200	4010	1860	3030	389	54	88	752
9	123	1490	2080	2970	12300	7840	4640	2620	375	52	104	1180
10	107	1420	1870	2930	8480	16000	8230	2230	311	51	83	1600
11	94	1350	1900	2850	5960	22400	6490	1930	246	49	75	1530
12	85	1310	1900	2830	4630	21700	5350	1670	205	50	76	1220
13	78	1570	1960	2840	3970	16900	4480	1410	179	59	81	930
14	72	2080	2150	2880	3540	10900	3690	1170	159	55	80	665
15	69	2520	2760	2960	3210	7100	3580	992	145	56	87	471
16	69	2850	3270	3510	3030	5150	3800	857	133	58	112	358
17	64	3150	3550	3960	3610	4250	3740	751	122	64	224	295
18	64	3480	3910	3820	4340	3800	3730	657	113	100	166	277
19	74	3610	3950	3770	4750	4120	3790	573	106	144	163	266
20	79	3370	3670	4000	5150	5710	3640	495	100	144	149	258
21	91	2930	3280	4330	4820	6880	3620	430	94	127	129	295
22	107	2480	2910	4340	4420	6570	4670	378	90	113	133	325
23	122	2150	2680	4700	4940	5800	5190	335	86	102	142	352
24	134	1910	3120	5940	5420	4940	4480	298	82	95	128	410
25	140	1720	4910	6590	5200	4260	3670	267	78	94	114	479
26	182	1580	6920	6130	4850	3680	3200	240	76	87	103	675
27	300	1460	8820	6330	4520	3200	2970	219	72	95	93	922
28	528	1360	11000	6870	4490	2820	2600	207	69	118	85	985
29	685	1350	12800	6760	---	2580	2190	195	67	94	79	772
30	795	1700	12000	5970	---	2380	1930	185	65	87	75	888
31	1020	---	9080	5210	---	2230	---	179	---	84	71	---
TOTAL	7529	62400	136540	134460	168480	201670	104160	37768	5396	2455	3161	17474
MEAN	243	2080	4405	4337	6017	6505	3472	1218	180	79.2	102	582
MAX	1020	3610	12800	6870	15200	22400	8230	3030	389	144	224	1600
MIN	64	1310	1870	2760	3030	2230	1620	179	65	49	68	65
CFSM	.22	1.87	3.97	3.91	5.42	5.86	3.13	1.10	.16	.07	.09	.52
IN.	.25	2.09	4.58	4.51	5.65	6.76	3.49	1.27	.18	.08	.11	.59

ALTAMAHA RIVER BASIN

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	440	402	885	1543	2241	2523	1695	710	484	505	605	440
MAX	2325	3638	4674	5618	6017	6693	5120	2220	2215	2386	4069	2128
(WY)	1991	1948	1948	1987	1998	1966	1944	1964	1906	1941	1991	1949
MIN	20.8	31.2	58.4	97.7	154	176	166	49.4	37.6	27.1	30.5	23.0
(WY)	1955	1955	1959	1981	1950	1938	1968	1985	1985	1986	1954	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1903 - 1998			
ANNUAL TOTAL	427046				881493							
ANNUAL MEAN	1170				2415				1023			
HIGHEST ANNUAL MEAN									2415			
LOWEST ANNUAL MEAN									271			
HIGHEST DAILY MEAN	12800				22400				23600			
LOWEST DAILY MEAN	31				49				19			
ANNUAL SEVEN-DAY MINIMUM	33				53				20			
INSTANTANEOUS PEAK FLOW					23300				24400			
INSTANTANEOUS PEAK STAGE					22.50				23.34			
ANNUAL RUNOFF (CFSM)	1.05				2.18				.92			
ANNUAL RUNOFF (INCHES)	14.31				29.54				12.53			
10 PERCENT EXCEEDS	3250				5280				2790			
50 PERCENT EXCEEDS	305				1600				416			
90 PERCENT EXCEEDS	64				76				63			

ALTAMAHA RIVER BASIN

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA.

LOCATION.--Lat 31°39'16", long 81°49'41", Wayne-Long County line, Hydrologic Unit 03070106, on right bank 60 ft downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 mi northeast of Jesup, and at mile 64.5.

DRAINAGE AREA.--13,600 mi², approximately.

PERIOD OF RECORD.--October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.48 ft above sea level. Prior to Sept. 5, 1934, nonrecording gage, and Sept. 5, 1934 to Sept. 30, 1975, water-stage recorder at same site at datum 4.0 ft higher.

REMARKS.--Records good. Records of chemical analyses for the water years 1967-77 are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1800, 18.6 ft, present datum, Jan. 23, 1925, discharge, 300,000 ft³/s, from rating curve extended above 180,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 7	1100	35,000	11.38	Mar. 19	0100	*135,000	*15.55
Jan. 4	2200	85,500	13.98	Apr. 14	1800	50,200	12.36
Feb. 14	1400	108,000	14.76				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5560	13400	21500	73000	55700	48400	29600	37600	9340	5410	3730	5850
2	7000	14800	21700	78200	52400	49200	27400	35200	9050	4970	3840	5490
3	8220	15900	22400	82500	50300	49400	25500	34300	8950	4520	4000	5160
4	9220	17200	24900	84700	49300	48500	23900	34400	8970	4300	4160	4860
5	10100	18800	29200	84900	50300	46900	22600	34300	9090	4200	4320	4880
6	10900	20800	33200	82000	56600	45000	21500	33900	9350	3940	4420	5780
7	11200	23100	34800	76300	68400	43700	20600	33300	9330	3650	4400	7590
8	10500	25100	34400	69500	79200	43500	20400	32900	9100	3460	4280	9380
9	8900	26600	33300	61800	86300	45600	21000	32500	8930	3350	4140	11100
10	7920	27200	32200	53700	90500	52100	22600	31800	8940	3290	4030	12800
11	7230	26600	30700	46300	95600	70900	28600	31000	9120	3260	3920	14400
12	6240	25300	28700	40600	102000	90900	41200	30100	9300	3310	3850	15700
13	5080	24600	26500	36600	106000	101000	47800	29100	9210	3400	3950	16100
14	4350	23400	25500	34000	107000	105000	49900	28100	8950	3610	4180	15300
15	4070	22400	25800	33300	105000	110000	49700	27100	8710	3710	4540	13000
16	4030	22100	26800	34000	100000	119000	48100	25900	8650	3720	4910	9560
17	3870	22900	29200	36000	95200	126000	47300	24500	8390	3790	5090	7210
18	3880	24400	33200	39300	85300	131000	48300	23400	7680	4030	5050	6130
19	3800	25800	37500	42600	76100	133000	49300	22500	7040	4330	5080	5560
20	3620	26800	40300	44700	68600	128000	49200	21700	6740	4410	5210	5230
21	3660	27400	40900	45600	61100	118000	48200	20900	6490	4330	5730	5250
22	3740	27700	40200	45700	54800	107000	46700	19600	6250	4230	6140	5200
23	3660	28200	39000	48400	51700	93600	45800	17100	6020	4190	6320	5110
24	3550	27900	38600	50700	48800	79800	46400	14800	5870	4120	6300	5140
25	3550	26900	38700	54500	47900	67400	47600	13500	5900	3980	6310	5390
26	3980	24700	41900	58400	47700	57000	48500	13200	5900	3930	6480	5830
27	5230	22300	48500	60900	47500	49200	48300	12900	5960	3910	6560	6090
28	6840	20900	54700	60700	47800	43600	46600	12400	6040	3990	6270	6180
29	8470	20600	60400	60400	---	39300	43600	11600	6140	4170	5920	6310
30	10300	21200	64900	60000	---	35700	40500	10800	5830	4050	5810	7000
31	11900	---	68800	58400	---	32500	---	9980	---	3830	5910	---
TOTAL	200570	695000	1128400	1737700	1987100	2310200	1156700	760380	235240	123390	154850	238580
MEAN	6470	23170	36400	56050	70970	74520	38560	24530	7841	3980	4995	7953
MAX	11900	28200	68800	84900	107000	133000	49900	37600	9350	5410	6560	16100
MIN	3550	13400	21500	33300	47500	32500	20400	9980	5830	3260	3730	4860
CFSM	.48	1.70	2.68	4.12	5.22	5.48	2.84	1.80	.58	.29	.37	.58
IN.	.55	1.90	3.09	4.75	5.44	6.32	3.16	2.08	.64	.34	.42	.65

ALTAMAHA RIVER BASIN

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6284	6315	11420	18970	25470	30050	25660	13170	8755	7768	7737	6165
MAX	27680	27850	55570	56050	70970	74520	80960	39850	26650	33290	23090	18630
(WY)	1995	1948	1949	1998	1998	1998	1936	1964	1966	1994	1964	1949
MIN	1748	1789	2688	3568	4512	6795	6191	2991	2418	1802	1861	2147
(WY)	1955	1955	1955	1981	1989	1938	1985	1986	1988	1988	1988	1954

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1932 - 1998

ANNUAL TOTAL	5365690	10728110	13920
ANNUAL MEAN	14700	29390	29390
HIGHEST ANNUAL MEAN			1998
LOWEST ANNUAL MEAN			5996
HIGHEST DAILY MEAN	68800	Dec 31	133000
LOWEST DAILY MEAN	2010	Sep 24	3260
ANNUAL SEVEN-DAY MINIMUM	2040	Sep 21	3380
INSTANTANEOUS PEAK FLOW			135000
INSTANTANEOUS PEAK STAGE			15.55
INSTANTANEOUS LOW FLOW			3240
ANNUAL RUNOFF (CFSM)	1.08		2.16
ANNUAL RUNOFF (INCHES)	14.68		29.34
10 PERCENT EXCEEDS	34400		68500
50 PERCENT EXCEEDS	8740		22400
90 PERCENT EXCEEDS	3560		4040

ALTAMAHA RIVER BASIN

02226010 ALTAMAHA RIVER NEAR GARDI, GA.

LOCATION.--Lat 31°37'24", long 81°45'55", Wayne-Long County line, Hydrologic Unit 03070106, 6 mi northeast of Gardi, 7 mi downstream from Doctortown, and 9 mi upstream from Penholoway Creek.

DRAINAGE AREA.--13,600 mi², approximately.

PERIOD OF RECORD.--November 1974 to February 1994, March 1995 to current year.

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	0800	81341	3710	226	221	7.3	7.5	19.4	12.5	7.1	77
NOV 20...	0830	81341	26500	76	74	7.3	6.7	11.0	7.5	8.3	75
DEC 18...	0830	81341	31400	70	69	7.1	6.8	9.5	8.5	9.0	78
JAN 15...	0935	81341	33000	69	68	6.8	6.6	12.5	9.5	8.4	79
FEB 12...	0815	81341	99200	44	41	6.6	6.5	10.3	10.7	9.7	87
MAR 03...	0830	81341	49500	56	55	6.6	6.7	14.4	8.3	8.1	80
APR 20...	0715	81341	49500	60	58	6.5	6.8	18.9	16.4	7.2	77
MAY 19...	0720	81341	22800	86	83	6.8	6.8	24.4	22.4	5.6	67
JUN 23...	0720	81341	6130	174	173	7.2	7.4	30.8	28.6	5.7	77
JUL 08...	0720	81341	3530	218	212	7.3	7.2	31.1	29.4	5.8	78
AUG 12...	0715	81341	3860	211	203	7.2	7.2	30.1	27.9	6.1	81
SEP 02...	0715	81341	5690	156	151	7.0	7.2	29.8	24.9	5.5	73
30...	0715	81341	6700	150	145	6.7	7.3	27.0	23.4	6.0	75

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TANNIN AND LIGNIN (MG/L) (32240)
OCT 23...	81341	45	10	1.0	43	10	.500	.040	.070	4.0	--
NOV 20...	81341	120	13	1.4	16	8	.070	<.030	.030	11	1.9
DEC 18...	81341	100	12	1.0	15	6	.110	<.030	.040	10	3.8
JAN 15...	81341	100	17	1.0	16	7	.180	.050	.050	8.0	1.3
FEB 12...	81341	90	28	<1.0	9	16	.160	<.030	.140	6.0	.80
MAR 03...	81341	110	19	<1.0	14	8	.180	<.030	.030	7.0	1.1
APR 20...	81341	100	19	1.1	15	9	.220	<.030	.060	8.0	1.1
MAY 19...	81341	90	18	<1.0	23	10	.310	<.030	.060	6.0	.70
JUN 23...	81341	40	14	<1.0	46	9	.410	.050	.080	5.0	1.1
JUL 08...	81341	90	12	1.5	42	7	.280	.040	.080	6.0	1.5
AUG 12...	81341	85	13	<1.0	40	7	.400	.060	.070	7.0	1.6
SEP 02...	81341	80	16	<1.0	29	11	.420	.030	.070	5.0	.70
30...	81341	70	14	<1.0	28	12	.340	<.030	.070	9.0	1.3

ALTAMAHA RIVER BASIN

02226010 ALTAMAHA RIVER NEAR GARDI, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
09...	1000	81213	9340	169	7.1	23.8	26.1	6.2	73	<20
16...	0730	81213	4070	226	7.3	24.0	16.1	6.3	75	20
23...	0800	81341	3710	226	7.3	19.4	12.5	7.1	77	<20
NOV										
20...	0830	81341	26500	76	7.3	11.0	7.5	8.3	75	80
DEC										
18...	0830	81341	31400	70	7.1	9.5	8.5	9.0	78	230
JAN										
15...	0935	81341	33000	69	6.8	12.5	9.5	8.4	79	50
29...	0830	81341	60400	50	6.4	10.5	9.0	9.4	85	330
FEB										
05...	0800	81341	49300	57	6.6	10.4	4.6	9.0	82	70
12...	0815	81341	99200	44	6.6	10.3	10.7	9.7	87	50
APR										
20...	0715	81341	49500	60	6.5	18.9	16.4	7.2	77	110
27...	0720	81213	48600	58	6.5	18.4	18.8	7.4	79	<20
MAY										
11...	0715	81213	31400	75	6.5	22.0	20.6	6.4	74	20
19...	0720	81341	22800	86	6.8	24.4	22.4	5.6	67	<20
AUG										
12...	0715	81341	3860	211	7.2	30.1	27.9	6.1	81	<20
19...	0730	81213	5050	160	7.1	29.5	23.7	5.5	73	<20
26...	0720	81213	6280	154	7.0	29.4	26.2	5.7	76	<20
SEP										
02...	0715	81341	5690	156	7.0	29.8	24.9	5.5	73	20
30...	0715	81341	6700	150	6.7	27.0	23.4	6.0	75	130

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL									
22...	0900	81213	4280	197	7.0	31.0	31.5	6.2	83

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL								
22...	81213	8.8	2.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL							
22...	81213	<1.0	<2.0	<.1	1.1	<2.0	20

ALTAMAHA RIVER BASIN

02226100 PENHOLWAY CREEK NEAR JESUP, GA.

LOCATION.--Lat 31°34'00", long 81°50'18", Wayne County, Hydrologic Unit 03070106, on downstream side of bridge on U.S. Highway 341, 4 mi southeast of Jesup, and about 9.5 mi upstream from mouth.

DRAINAGE AREA.--210 mi², approximately.

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.09 ft above sea level. Since May 6, 1966, auxiliary water-stage recorder at highway bridge, 2.5 mi downstream.

REMARKS.--Records good to fair, except those less than 20 ft³/s during the periods Oct. 1-25 and Aug. 8 to Sept. 30, which are fair to poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 29	1000	2,440	12.58	Feb. 6	0900	1,430	11.44
Dec. 17	0200	2,190	12.31	Feb. 18	2300	*3,180	*13.46
Dec. 26	0900	1,770	11.83	Feb. 23	2100	2,470	12.62
Jan. 19	0100	1,050	10.92	Mar. 10	2200	2,190	12.32
Jan. 25	0400	2,650	12.81				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.17	1430	127	760	1160	1330	126	23	.00	.00	.00	2.8
2	.05	1240	142	610	997	1140	113	32	.00	.00	.00	1.9
3	.00	1060	165	479	961	980	100	23	.00	.00	.00	9.3
4	.00	919	171	391	1300	828	83	19	.00	.00	.00	22
5	.02	778	172	336	1430	696	67	45	.00	.00	.00	22
6	.08	623	158	294	1420	576	54	58	.00	.00	.00	13
7	.07	483	144	274	1320	524	43	65	.00	.00	.00	7.3
8	.05	378	136	291	1140	752	49	59	.00	.00	1.9	3.3
9	.01	312	126	340	946	1640	146	43	.00	.00	11	1.9
10	.00	271	131	364	749	2140	188	26	.00	.00	8.7	1.1
11	.00	244	129	376	588	2100	190	16	.00	.00	3.8	.51
12	.00	221	144	367	464	1800	188	9.6	.00	.00	5.8	.17
13	.00	290	175	331	378	1440	161	5.8	.00	.00	4.8	.03
14	.00	368	285	283	322	1130	115	3.6	.00	.00	2.4	.00
15	.00	441	1190	277	287	892	93	2.4	.00	.00	.76	.00
16	.00	512	2020	533	352	697	81	1.5	.00	.00	.50	.00
17	.00	523	2150	776	1770	540	73	1.0	.00	.00	2.0	.00
18	.00	456	1900	977	3030	437	64	.67	.00	.00	9.0	.16
19	.00	362	1610	1030	3000	509	55	.55	.00	.00	14	.17
20	.00	281	1380	903	2570	639	44	.41	.00	.00	7.1	.68
21	.00	214	1190	731	2160	713	35	.32	.00	.00	2.3	1.3
22	.00	174	1030	583	1870	739	27	.22	.00	.00	1.1	3.9
23	.00	148	907	1290	2270	666	22	.11	.00	.00	.52	10
24	.00	128	1300	2470	2450	558	18	.03	.00	.00	.35	4.7
25	1.2	111	1640	2610	2360	447	15	.00	.00	.00	6.0	2.5
26	161	98	1760	2290	2060	360	12	.00	.00	.00	18	2.0
27	1230	87	1690	1990	1740	298	9.3	.00	.00	.00	18	2.1
28	2060	76	1520	1870	1510	242	8.4	.00	.00	.00	15	1.9
29	2400	69	1320	1700	---	201	7.5	.00	.00	.00	11	1.5
30	2160	107	1120	1530	---	171	7.7	.00	.00	.00	6.7	22
31	1710	---	938	1350	---	146	---	.00	---	.00	4.0	---
TOTAL	9722.65	12404	26870	28406	40604	25331	2194.9	435.21	0.00	0.00	154.73	138.22
MEAN	314	413	867	916	1450	817	73.2	14.0	.000	.000	4.99	4.61
MAX	2400	1430	2150	2610	3030	2140	190	65	.00	.00	18	22
MIN	.00	69	126	274	287	146	7.5	.00	.00	.00	.00	.00
CFSM	1.49	1.97	4.13	4.36	6.91	3.89	.35	.07	.00	.00	.02	.02
IN.	1.72	2.20	4.76	5.03	7.19	4.49	.39	.08	.00	.00	.03	.02

ALTAMAHA RIVER BASIN

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	122	60.7	152	272	380	377	201	75.6	116	150	221	165
MAX	869	413	867	916	1450	1342	1050	492	493	941	1031	1234
(WY)	1995	1998	1998	1998	1998	1959	1961	1966	1968	1966	1969	1964
MIN	.000	.000	.42	1.57	1.01	13.5	2.48	.000	.000	.000	.000	.003
(WY)	1973	1992	1979	1989	1989	1989	1967	1990	a1964	b1988	1988	1981

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1958 - 1998			
ANNUAL TOTAL	67741.68				146260.71							
ANNUAL MEAN	186				401				190			
HIGHEST ANNUAL MEAN									401			
LOWEST ANNUAL MEAN									20.2			
HIGHEST DAILY MEAN	2400				Oct 29				4370			
LOWEST DAILY MEAN	.00				c				.00			
ANNUAL SEVEN-DAY MINIMUM	.00				d				.00			
INSTANTANEOUS PEAK FLOW					3180				Feb 18			
INSTANTANEOUS PEAK STAGE					13.46				Feb 18			
INSTANTANEOUS LOW FLOW					.00				c			
ANNUAL RUNOFF (CFSM)	.88				1.91				.91			
ANNUAL RUNOFF (INCHES)	12.00				25.91				12.32			
10 PERCENT EXCEEDS	497				1430				543			
50 PERCENT EXCEEDS	22				35				47			
90 PERCENT EXCEEDS	.00				.00				.02			

- a Also 1977 and 1998.
b Also 1990 and 1998.
c No flow on many days.
d Many seven-day periods with no flow.
f No flow at times most years.

LAKES AND RESERVOIRS IN ALTAMAHA RIVER BASIN

02210000 LLOYD SHOALS RESERVOIR NEAR JACKSON, GA.

LOCATION.--Lat 33°19'13", long 83°50'20", Butts County, Hydrologic Unit 03070103, on Ocmulgee River, 1 mi upstream from bridge on State Highway 16, and 7 mi east of Jackson.

DRAINAGE AREA.--1,400 mi².

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 528.0 and 525.0 ft) is equipped with flashboards 308.5 ft wide by 2 ft high and 420 ft wide by 5 ft high. Dam completed in 1910. Total capacity at elevation 530.0 ft, top of flashboards, is 107,000 acre-ft, of which 78,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	528.5	99800	-	-
Oct. 31.....	528.7	101000	+1200	+20
Nov. 30.....	527.0	93000	-8000	-134
Dec. 31.....	527.4	94800	+1800	+29
CAL YR 1997	-	-	+5400	+7
Jan. 31.....	528.9	102000	+7200	+117
Feb. 28.....	528.4	99300	-2700	-49
Mar. 31.....	528.5	99800	+500	+8
Apr. 30.....	526.0	89000	-10800	-181
May 31.....	529.2	103000	+14000	+228
June 30.....	528.7	101000	-2000	-34
July 31.....	528.9	102000	+1000	+16
Aug. 31.....	528.7	101000	-1000	-16
Sept. 30.....	528.1	98000	-3000	-50
WTR YR 1998	-	-	-1800	-2

* Elevation at 0700 on day following that shown in first column.

LAKES AND RESERVOIRS IN ALTAMAHA RIVER BASIN--Continued

02220450 LAKE OCONEE NEAR EATONTON, GA.

LOCATION.--Lat 33°21'00", long 83°09'28", Putnam County, Hydrologic Unit 03070101, on Oconee River, 1.5 mi upstream from bridge on State Highway 16, and 13.3 mi east of Eatonton.

DRAINAGE AREA.--1,820 mi².

PERIOD OF RECORD.-- January 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 435.6 ft) is equipped with five radial gates 42 ft wide by 44 ft high. Storage began in January 1979; water in reservoir first reached minimum pool elevation in July 1979. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	434.9	358200	-	-
Oct. 31.....	434.9	358200	0	0
Nov. 30.....	434.6	352800	-5400	-91
Dec. 31.....	434.7	354600	+1800	+29
CAL YR 1997	-	-	+1800	+2
Jan. 31.....	434.8	356400	+1800	+29
Feb. 28.....	434.5	351000	-5400	-97
Mar. 31.....	434.6	352800	+1800	+29
Apr. 30.....	434.4	349200	-3600	-60
May 31.....	434.6	352800	+3600	+59
June 30.....	434.6	352800	0	0
July 31.....	434.4	349200	-3600	-59
Aug. 31.....	434.0	342000	-7200	-117
Sept. 30.....	434.1	343800	+1800	+30
WTR YR 1998	-	-	-14400	-20

*Elevation at 0700 on day following that shown in first column.

02222500 SINCLAIR RESERVOIR NEAR MILLEDGEVILLE, GA.

LOCATION.--Lat 33°08'27", long 83°12'08", Baldwin County, Hydrologic Unit 03070101, on Oconee River, 1.5 mi upstream from Georgia Railroad bridge, and 4 mi north of Milledgeville.

DRAINAGE AREA.--2,900 mi².

PERIOD OF RECORD.--October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 319 ft) is equipped with 24 gates 30 ft wide by 21 ft high. Storage began in 1952; water in reservoir first reached minimum pool elevation in 1953. Total capacity at elevation 340.0 ft, top of gates, is 334,000 acre-ft, of which 214,600 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	339.2	322000	-	-
Oct. 31.....	339.0	319000	-3000	-49
Nov. 30.....	339.2	322000	+3000	+50
Dec. 31.....	339.1	320500	-1500	-24
CAL YR 1997	-	-	+13500	+19
Jan. 31.....	339.5	326500	+6000	+98
Feb. 28.....	339.6	328000	+1500	+27
Mar. 31.....	338.8	316000	-12000	-195
Apr. 30.....	338.2	307000	-9000	-151
May 31.....	338.6	313000	+6000	+98
June 30.....	338.5	311500	-1500	-25
July 31.....	338.8	316000	+4500	+73
Aug. 31.....	339.0	319000	+3000	+49
Sept. 30.....	339.0	319000	0	0
WTR YR 1998	-	-	-3000	-4

*Elevation at 0700 on day following that shown in first column.

BRUNSWICK RIVER BASIN

02226178 EAST RIVER AT MAYORS POINT TERMINAL AT BRUNSWICK, GA.

LOCATION.--Lat 31°08'38", long 81°29'49", Glynn County, Hydrologic Unit 03070203, at Georgia Ports Authority's Mayors Point Terminal Dock, 1.2 mi upstream of the Brunswick River, and 0.4 mi southwest of Brunswick Post Office.

PERIOD OF RECORD.--May 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 7.37 ft, Feb. 7, 1993; minimum elevation recorded, -8.29 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.23 ft, Apr. 28; minimum elevation, -6.46 ft, Dec. 31.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.03	-4.02	3.85	-3.57	3.59	-4.98	3.95	-5.24	5.34	-3.24	5.66	-4.38
2	4.21	-3.02	3.54	-4.18	4.76	-3.73	3.85	-5.23	5.16	-2.81	5.47	-5.15
3	4.20	-2.68	3.77	-4.03	4.59	-3.74	3.78	-4.99	5.72	-2.64	4.31	-5.22
4	4.03	-2.80	3.70	-3.85	4.14	-3.89	3.76	-4.34	5.35	-5.05	4.39	-3.99
5	3.77	-3.08	3.99	-3.21	3.58	-4.60	3.65	-3.98	3.46	-3.83	4.16	-3.64
6	3.70	-2.88	4.43	-2.24	3.47	-4.28	3.77	-4.01	4.43	-3.01	4.26	-3.02
7	3.72	-2.89	4.20	-2.79	3.59	-3.99	3.94	-3.78	5.29	-2.83	4.61	-2.68
8	3.82	-2.37	4.15	-3.29	3.59	-4.10	4.18	-4.46	5.31	-2.83	4.80	-3.11
9	4.02	-2.33	4.38	-3.50	3.91	-4.25	4.16	-4.96	5.56	-2.78	4.06	-5.22
10	3.94	-2.77	4.39	-4.17	4.78	-4.99	4.26	-5.05	5.26	-2.95	3.19	-5.37
11	4.26	-2.96	4.71	-4.45	4.76	-4.98	4.44	-4.69	5.14	-3.31	4.26	-4.78
12	4.65	-3.08	5.07	-4.49	5.17	-4.69	4.66	-4.55	3.94	-4.51	4.26	-4.44
13	5.11	-3.48	5.66	-4.48	5.61	-3.57	4.62	-4.34	4.29	-4.16	4.13	-3.72
14	5.28	-4.28	5.37	-4.62	5.96	-3.73	4.59	-4.19	4.33	-3.63	3.74	-3.98
15	5.29	-4.50	4.51	-5.71	5.56	-3.26	4.80	-2.93	4.63	-2.04	3.97	-4.61
16	5.98	-4.03	4.46	-5.35	5.27	-3.11	3.59	-5.14	4.46	-2.64	4.24	-3.45
17	5.90	-3.75	4.67	-4.54	4.70	-3.26	3.13	-3.88	4.73	-2.70	4.07	-2.53
18	5.92	-3.62	4.44	-3.50	3.99	-3.48	3.60	-3.02	3.45	-3.01	3.98	-2.63
19	5.40	-3.35	4.32	-3.27	3.74	-3.34	3.59	-3.27	3.11	-2.36	3.84	-2.71
20	5.05	-2.72	3.88	-2.77	3.15	-3.08	3.61	-1.84	3.42	-2.52	3.77	-2.48
21	4.76	-2.18	3.64	-2.59	3.15	-2.86	3.71	-1.33	3.45	-2.67	2.71	-3.73
22	4.37	-2.26	3.02	-2.74	3.10	-2.57	3.83	-1.76	3.82	-2.10	2.83	-3.38
23	4.41	-1.66	3.00	-3.14	3.03	-2.68	3.75	-2.79	5.20	-5.40	3.97	-2.73
24	3.95	-2.11	3.17	-2.52	3.54	-2.78	4.18	-4.10	3.88	-5.57	4.24	-3.81
25	3.75	-2.45	3.57	-2.74	3.63	-3.41	4.04	-3.97	4.76	-5.16	4.81	-3.82
26	3.91	-2.79	3.73	-3.59	3.79	-3.61	4.81	-3.53	5.75	-4.81	4.97	-4.47
27	3.82	-3.55	3.70	-3.59	4.58	-4.07	6.03	-3.48	6.11	-4.23	5.23	-5.01
28	3.88	-3.55	4.06	-3.61	4.67	-4.54	4.27	-5.15	5.75	-4.82	5.43	-5.14
29	4.20	-2.78	4.16	-3.82	5.15	-4.46	5.31	-4.99	---	---	5.18	-5.44
30	4.32	-2.77	4.18	-3.80	3.02	-5.75	5.20	-4.72	---	---	5.16	-5.43
31	4.34	-2.98	---	---	3.49	-6.46	5.77	-3.74	---	---	4.90	-4.85
MONTH	5.98	-4.50	5.66	-5.71	5.96	-6.46	6.03	-5.24	6.11	-5.57	5.66	-5.44

BRUNSWICK RIVER BASIN

02226178 EAST RIVER AT MAYORS POINT TERMINAL AT BRUNSWICK, GA.--Continued

[illegible]

BRUNSWICK RIVER BASIN

022261792 SOUTH BRUNSWICK RIVER AT COLONELS ISLAND NEAR BRUNSWICK, GA.

LOCATION.--Lat 31°07'55", long 81°32'13", Glynn County, Hydrologic Unit 03070203, at Georgia Ports Authority's Colonels Island Terminal Dock, approximately 1 mi upstream from confluence of South Brunswick and Turtle Rivers, and 2.9 mi west-southwest of Brunswick Post Office.

PERIOD OF RECORD.--May 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.-- Maximum elevation recorded, 7.41 ft Feb. 7, 1993; minimum elevation recorded, -7.21 ft Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 6.36 ft, Apr. 28; minimum elevation recorded, -6.58 ft, Dec. 31.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.11	-4.12	3.94	-3.64	3.64	-5.07	4.04	-5.32	5.47	-3.33	5.80	-4.44
2	4.27	-3.13	3.62	-4.26	4.87	-3.83	3.95	-5.31	5.29	-2.89	5.74	-5.25
3	4.28	-2.74	3.87	-4.15	4.67	-3.86	3.89	-5.08	5.86	-2.76	4.45	-5.28
4	4.13	-2.94	3.74	-3.95	4.21	-4.02	3.88	-4.48	5.45	---	4.51	-4.04
5	3.87	-3.22	4.10	-3.31	3.65	-4.69	3.74	-4.04	---	---	4.30	-3.65
6	3.78	-2.96	4.54	-2.30	3.56	-4.33	3.84	-4.06	---	---	4.42	-3.03
7	3.80	-2.99	4.31	-2.84	3.66	-4.00	4.03	-3.86	---	---	4.75	-2.72
8	3.90	-2.47	4.22	-3.38	3.66	-4.17	4.20	-4.52	---	---	4.93	-3.18
9	4.09	-2.36	4.48	-3.58	3.99	-4.34	4.24	-5.09	5.68	-2.85	4.19	-5.19
10	4.05	-2.87	4.47	-4.28	4.85	-5.12	4.35	-5.09	5.39	-3.02	3.32	-5.42
11	4.32	-3.07	4.78	-4.44	4.83	-5.12	4.52	-4.82	5.29	-3.40	4.41	-4.77
12	4.72	-3.26	5.16	-4.57	5.25	-4.84	4.73	-4.65	4.07	-4.56	4.44	-4.45
13	5.19	-3.50	5.73	-4.61	5.67	-3.66	4.71	-4.44	4.41	-4.21	4.29	-3.74
14	5.37	-4.42	5.47	-4.73	6.08	-3.85	4.70	-4.27	4.48	-3.74	3.88	-4.04
15	5.35	-4.64	4.62	-5.85	5.62	-3.32	4.92	-2.99	4.81	-2.12	4.11	-4.68
16	6.02	-4.15	4.50	-5.49	5.39	-3.20	3.62	-5.28	4.57	-2.65	4.40	-3.52
17	5.99	-3.92	4.76	-4.67	4.81	-3.41	3.21	-3.93	4.91	-2.74	4.23	-2.59
18	5.96	-3.79	4.56	-3.64	4.09	-3.55	3.69	-3.06	3.59	-3.00	4.21	-2.65
19	5.45	-3.54	4.36	-3.40	3.85	-3.39	3.66	-3.38	3.27	-2.35	3.93	-2.69
20	5.12	-2.89	3.97	-2.88	3.26	-3.14	3.72	-1.98	3.57	-2.51	3.91	-2.54
21	4.86	-2.27	3.72	-2.64	3.27	-2.87	3.79	-1.34	3.62	-2.65	---	---
22	4.45	-2.37	3.08	-2.75	3.19	-2.52	3.94	-1.75	4.00	-2.11	---	---
23	4.51	-1.71	3.09	-3.14	3.18	-2.68	3.85	-2.81	5.33	-5.51	---	---
24	4.04	-2.21	3.29	-2.65	3.60	-2.82	4.27	-4.12	4.00	-5.61	---	---
25	3.83	-2.51	3.64	-2.82	3.73	-3.40	4.15	-4.05	4.91	-5.18	---	---
26	3.96	-2.85	3.78	-3.66	3.86	-3.63	4.91	-3.60	5.91	-4.88	---	---
27	3.94	-3.55	3.81	-3.70	4.64	-4.00	6.05	-3.58	6.22	-4.34	---	---
28	3.97	-3.55	4.15	-3.72	4.78	-4.66	4.33	-5.31	5.89	-4.90	---	---
29	4.31	-2.88	4.27	-3.92	5.27	-4.57	5.40	-5.08	---	---	---	---
30	4.44	-2.86	4.22	-3.91	3.10	-5.83	5.25	-4.83	---	---	---	---
31	4.44	-3.05	---	---	3.60	-6.58	5.88	-3.86	---	---	---	---
MONTH	6.02	-4.64	5.73	-5.85	6.08	-6.58	6.05	-5.32	---	---	---	---

BRUNSWICK RIVER BASIN

022261792 SOUTH BRUNSWICK RIVER AT COLONELS ISLAND NEAR BRUNSWICK, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	5.21	-3.41	3.95	-3.12	2.82	-3.84	3.53	-3.61	3.97	-2.68
2	---	---	4.45	-3.32	3.26	-3.19	3.13	-3.33	4.41	-1.48	4.06	-2.99
3	---	---	4.13	-2.95	3.55	-3.26	3.36	-3.19	4.46	-2.16	4.16	-4.77
4	---	---	4.07	-2.89	3.73	-3.21	3.66	-2.92	4.51	-2.52	4.30	-4.98
5	---	---	3.99	-2.75	3.96	-3.37	3.71	-3.34	4.60	-3.04	4.90	-4.88
6	---	---	3.93	-2.92	3.58	-3.38	4.34	-3.15	4.84	-3.37	5.23	-4.75
7	---	-3.33	3.97	-3.19	4.60	-3.18	4.54	-2.96	5.05	-3.87	4.91	-5.01
8	3.68	-3.54	3.79	-3.65	4.22	-3.70	4.51	-3.72	4.86	-4.06	4.63	-5.52
9	3.41	-4.71	4.19	-3.71	4.18	-4.22	4.14	-4.30	4.81	-4.54	5.57	-5.05
10	3.25	-4.81	4.21	-3.54	4.58	-4.68	4.75	-4.53	4.64	-4.58	5.24	-4.34
11	4.83	-4.05	5.11	-3.69	4.61	-4.43	5.16	-4.13	4.47	-4.76	4.96	-3.72
12	4.76	-3.33	4.93	-3.12	4.52	-3.97	5.23	-3.66	4.43	-4.73	4.56	-3.65
13	4.57	-2.97	5.15	-3.16	4.19	-4.24	5.11	-3.12	4.31	-4.39	4.45	-3.64
14	4.14	-3.41	5.29	-2.75	4.04	-4.09	5.01	-3.36	4.52	-4.18	4.30	-3.22
15	4.24	-3.56	5.27	-2.55	3.85	-4.55	4.78	-3.96	4.62	-3.88	4.49	-3.22
16	4.06	-3.26	5.29	-2.47	3.65	-4.93	4.17	-4.40	4.53	-4.01	4.55	-3.27
17	3.99	-3.30	4.69	-3.03	3.62	-4.95	3.98	-4.80	4.43	-4.13	4.59	-3.19
18	3.33	-3.25	4.13	-3.25	4.10	-4.48	4.21	-4.92	4.38	-4.22	4.84	-3.49
19	3.75	-3.27	4.45	-2.90	4.64	-4.70	4.47	-4.71	4.51	-4.28	4.86	-3.35
20	3.60	-3.50	4.43	-3.67	4.77	-4.46	4.58	-4.67	5.35	-3.89	4.70	-3.27
21	4.59	-2.93	4.65	-4.43	5.07	-4.83	4.61	-5.06	5.16	-3.16	4.26	-3.22
22	4.62	-3.92	5.36	-4.35	5.20	-4.92	4.46	-5.33	4.72	-3.34	3.91	-3.63
23	4.90	-4.46	5.73	-4.42	5.27	-4.96	4.28	-5.23	4.36	-3.41	4.72	-3.51
24	5.57	-4.49	5.97	-4.76	5.37	-4.82	4.27	-5.11	4.16	-3.23	4.97	-1.64
25	5.64	-5.42	5.90	-4.82	5.12	-4.43	3.91	-4.88	4.13	-3.10	4.57	-1.76
26	5.62	-5.67	5.62	-4.93	5.03	-4.05	3.80	-4.85	4.06	-2.51	3.97	-1.86
27	5.59	-5.73	5.16	-5.15	4.36	-3.89	3.72	-4.30	3.01	-3.52	3.64	-2.04
28	6.36	-5.08	5.05	-4.71	4.14	-3.61	3.67	-3.67	2.74	-3.57	3.46	-2.18
29	5.87	-3.82	4.85	-4.20	3.94	-3.42	3.28	-3.47	2.97	-3.19	3.76	-2.28
30	5.52	-3.48	4.79	-3.67	3.79	-2.99	3.02	-3.30	3.40	-2.64	4.09	-2.44
31	---	---	4.44	-3.08	---	---	2.87	-3.64	3.44	-2.64	---	---
MONTH	---	---	5.97	-5.15	5.37	-4.96	5.23	-5.33	5.35	-4.76	5.57	-5.52

BRUNSWICK RIVER BASIN

02226180 BRUNSWICK RIVER AT VILLAGE PIER AT ST. SIMONS ISLAND, GA.

LOCATION.--Lat 31°07'59", long 81°23'49", Glynn County, Hydrologic Unit 03070203, at downstream side of Village Pier, on St. Simons Island.

PERIOD OF RECORD.--May 1988 to February 1998.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 7.00 ft, Feb. 7, 1993; minimum elevation recorded, -7.35 ft, March 13, 1993, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT PERIOD.--October 1997 to February 1998--Maximum elevation recorded, 5.75 ft, Oct. 17; minimum elevation, -6.07 ft, Dec. 31.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3.76	-3.71	3.61	-3.23	3.30	-4.62	3.63	-4.88	5.02	-2.85	5.30	-3.94
2	3.98	-2.72	3.29	-3.79	4.46	-3.41	3.53	-4.85	4.88	-2.47	4.58	-4.67
3	3.96	-2.35	3.54	-3.64	4.29	-3.39	3.45	-4.59	5.22	-2.32	3.99	-4.82
4	3.78	-2.50	3.40	-3.49	3.95	-3.57	3.45	-3.98	5.01	-4.76	4.09	-3.70
5	3.50	-2.76	3.75	-2.86	3.34	-4.28	3.34	-3.75	3.17	-3.56	3.86	-3.44
6	3.41	-2.63	4.19	-2.03	3.24	-4.06	3.45	-3.80	4.05	-2.66	3.92	-2.75
7	3.42	-2.65	3.97	-2.52	3.29	-3.80	3.70	-3.57	5.03	-2.41	4.29	-2.45
8	3.55	-2.13	3.98	-3.03	3.28	-3.88	3.85	-4.22	5.10	-2.42	4.47	-2.84
9	3.74	-2.19	4.13	-3.13	3.67	-3.93	3.85	-4.74	5.23	-2.41	---	---
10	3.71	-2.58	4.19	-3.78	4.51	-4.67	3.93	-4.81	4.97	-2.55	---	---
11	4.00	-2.70	4.49	-4.09	4.54	-4.42	4.09	-4.39	4.89	-2.95	---	---
12	4.37	-2.76	4.83	-4.09	4.93	-4.32	4.36	-4.21	3.62	-4.14	---	---
13	4.86	-3.43	5.44	-4.05	5.39	-3.28	4.32	-4.00	4.03	-3.84	---	---
14	5.05	-3.89	5.11	-4.22	5.64	-3.33	4.36	-3.85	3.99	-3.29	---	---
15	5.06	-4.07	4.33	-5.34	5.22	-2.95	4.50	-2.55	4.26	-1.78	---	---
16	5.74	-3.63	4.26	-4.98	5.06	-2.68	3.38	-4.75	4.34	-2.34	---	---
17	5.75	-3.37	4.43	-4.19	4.46	-2.89	2.81	-3.58	4.50	-2.24	---	---
18	5.71	-3.22	4.21	-3.21	3.71	-3.24	3.23	-2.87	3.17	-2.85	---	---
19	5.21	-2.96	4.03	-2.96	3.44	-3.04	3.23	-2.96	2.72	-2.41	---	---
20	4.86	-2.39	3.62	-2.53	2.80	-2.86	3.31	-1.54	3.08	-2.26	---	---
21	4.56	-1.93	3.32	-2.45	2.74	-2.75	3.39	-1.21	3.10	-2.57	---	---
22	4.15	-2.03	2.71	-2.68	2.74	-2.55	3.57	-1.62	3.50	-1.85	---	---
23	4.17	-1.45	2.69	-2.99	2.61	-2.62	3.47	-2.66	4.99	-5.00	---	---
24	3.70	-1.94	2.82	-2.26	3.14	-2.62	3.94	-3.84	3.62	-5.03	---	---
25	3.48	-2.26	3.28	-2.52	3.31	-3.15	3.75	-3.54	4.52	-4.82	---	---
26	3.66	-2.51	3.43	-3.25	3.46	-3.45	4.44	-3.24	5.42	-4.40	---	---
27	3.60	-3.31	3.44	-3.25	4.25	-4.04	5.69	-3.07	5.71	-3.79	---	---
28	3.64	-3.28	3.79	-3.23	4.38	-4.23	4.03	-4.77	5.57	-4.42	---	---
29	3.99	-2.48	3.88	-3.54	4.86	-4.07	5.06	-4.56	---	---	---	---
30	4.04	-2.43	3.95	-3.51	2.77	-5.43	4.96	-4.28	---	---	---	---
31	4.11	-2.62	---	---	3.19	-6.07	5.46	-3.31	---	---	---	---
MONTH	5.75	-4.07	5.44	-5.34	5.64	-6.07	5.69	-4.88	5.71	-5.03	---	---

SATILLA RIVER BASIN

02226500 SATILLA RIVER NEAR WAYCROSS, GA.

LOCATION.--Lat 31°14'17", long 82°19'29", Ware-Pierce County line, Hydrologic Unit 03070201, on downstream side of pier near center span of bridge on State Highway 38, 3 mi northeast of Waycross, and 16 mi upstream from Alabama River.

DRAINAGE AREA.--1,200 mi², approximately.

PERIOD OF RECORD.--April 1937 to current year.

REVISED RECORDS.--WSP 952: 1939. WSP 1624: Drainage area. WDR GA-87- 1: 1986.

GAGE.--Water-stage recorder. Datum of gage is 66.43 ft above sea level. Prior to Nov. 22, 1952, nonrecording gage at site 300 ft downstream at same datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 4, 1948.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 2	0100	6,380	15.91	Jan. 28	2400	8,530	16.77
Nov. 19	2000	6,670	16.03	Feb. 8	1300	8,970	16.93
Dec. 8	0900	2,760	13.51	Feb. 26	0500	8,150	16.63
Dec. 20	0500	8,360	16.71	Mar. 12	2100	*23,100	*20.23
Dec. 29	0900	12,100	17.89	Mar. 24	0400	5,510	15.52

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	6090	1660	7600	6680	6200	1670	635	63	14	258	214
2	21	6230	1670	6130	5940	5410	1390	746	82	14	182	109
3	20	5750	1770	5030	5760	4710	1190	859	146	13	130	382
4	19	5170	1990	4270	5920	4230	1070	930	154	12	130	331
5	18	4660	2260	3750	5540	3860	956	908	133	20	116	184
6	19	4300	2500	3250	6290	3490	863	882	107	12	108	172
7	19	4080	2680	2790	8080	3260	785	867	83	11	103	180
8	18	3860	2750	2560	8890	3350	775	836	72	11	118	175
9	18	3580	2670	2570	8380	4080	934	781	63	15	91	170
10	17	3220	2430	2660	7200	5330	988	694	57	14	105	155
11	17	2830	2050	2820	5930	12100	1110	599	51	9.9	122	147
12	16	2510	1760	2980	4830	21200	1330	499	47	12	135	155
13	16	2430	1580	3050	4080	21800	1590	412	42	13	157	163
14	16	2470	1770	3010	3500	16500	1820	348	38	17	148	208
15	18	2590	2700	3250	2990	11400	2070	299	34	32	130	206
16	29	2850	3480	3950	2980	7960	2210	260	31	90	215	169
17	20	3600	4290	3820	4100	5820	2110	228	28	61	323	154
18	59	5340	6120	3680	4150	4570	1740	193	26	34	459	168
19	44	6540	7860	3980	4230	4460	1320	177	27	95	528	166
20	33	6460	8270	4900	5250	4270	1060	159	29	202	451	134
21	30	5770	7540	5170	6620	3970	953	142	24	117	422	132
22	32	4870	6370	4860	7150	4120	911	132	23	69	350	167
23	30	4120	5210	5460	7840	5140	851	117	22	56	279	250
24	29	3480	4640	5470	7510	5430	775	105	20	49	218	415
25	31	2850	4290	5290	7810	5020	694	96	29	42	176	373
26	104	2260	4480	5690	8060	4450	628	88	23	36	143	294
27	789	1810	7740	6940	7600	3950	583	98	40	36	119	234
28	1370	1550	10800	8230	6940	3400	553	88	28	41	101	188
29	2130	1420	12000	8430	---	2870	544	77	18	107	88	217
30	3260	1630	11200	7960	---	2380	571	71	16	221	79	969
31	4940	---	9450	7320	---	1930	---	66	---	150	117	---
TOTAL	13202	114320	145980	146870	170250	196660	34044	12392	1556	1625.9	6101	6981
MEAN	426	3811	4709	4738	6080	6344	1135	400	51.9	52.4	197	233
MAX	4940	6540	12000	8430	8890	21800	2210	930	154	221	528	969
MIN	16	1420	1580	2560	2980	1930	544	66	16	9.9	79	109
CFSM	.35	3.18	3.92	3.95	5.07	5.29	.95	.33	.04	.04	.16	.19
IN.	.41	3.54	4.53	4.55	5.28	6.10	1.06	.38	.05	.05	.19	.22

SATILLA RIVER BASIN

02226500 SATILLA RIVER NEAR WAYCROSS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	567	376	910	1536	2204	2410	1770	615	461	612	795	667
MAX	5135	5516	5551	6302	7789	7218	7487	2675	4838	2778	4128	4047
(WY)	1948	1948	1965	1987	1986	1959	1948	1964	1973	1963	1971	1949
MIN	7.52	9.13	17.6	48.3	74.4	91.1	68.4	21.5	21.0	10.1	12.4	7.34
(WY)	1955	1955	1955	1981	1989	1955	1938	1938	1954	1990	1954	1990

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1937 - 1998

ANNUAL TOTAL	508735	849981.9	
ANNUAL MEAN	1394	2329	1068
HIGHEST ANNUAL MEAN			2910
LOWEST ANNUAL MEAN			118
HIGHEST DAILY MEAN	12000	Dec 29	21800
LOWEST DAILY MEAN	16	Oct 12	9.9
ANNUAL SEVEN-DAY MINIMUM	17	Oct 8	12
INSTANTANEOUS PEAK FLOW			23100
INSTANTANEOUS PEAK STAGE			20.23
INSTANTANEOUS LOW FLOW			9.2
ANNUAL RUNOFF (CFSM)	1.16	1.94	.89
ANNUAL RUNOFF (INCHES)	15.77	26.35	12.09
10 PERCENT EXCEEDS	4290	6320	2990
50 PERCENT EXCEEDS	540	836	350
90 PERCENT EXCEEDS	31	24	34

a From rating curve extended above 23,000 ft³/s based on slope-conveyance study.

b From floodmarks.

SATILLA RIVER BASIN

02226582 SATILLA RIVER NEAR HOBOKEN, GA.

LOCATION.--Lat 31°13'00", long 82°09'45", Brantley-Pierce County line, Hydrologic Unit 03070201, at bridge on State Highway 121, 3 mi northeast of Hoboken.

DRAINAGE AREA.--1,350 mi², approximately.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 28...	0850	81341	1560	64	60	4.3	4.2	6.5	9.5	6.5	53
NOV 18...	0850	81341	3110	63	64	5.1	5.1	12.0	7.0	7.3	67
DEC 09...	0840	81341	2740	61	58	5.3	5.3	11.0	12.5	8.0	73
JAN 22...	1515	81341	5370	42	42	5.3	5.3	11.4	24.5	8.6	79
FEB 19...	1345	81341	4170	35	35	6.2	5.3	15.2	24.0	7.0	70
MAR 10...	0930	81341	5450	36	35	5.3	5.3	13.8	12.5	6.6	63
31...	1230	81341	2710	38	36	5.4	5.6	20.5	28.5	5.9	65
MAY 05...	1135	81341	1010	52	51	5.7	5.8	21.0	26.0	5.9	66
JUN 02...	0940	81341	111	37	95	6.3	6.5	25.5	33.0	4.8	58
JUL 14...	1300	81341	65	136	148	6.3	6.7	27.4	24.0	5.1	65
AUG 25...	1130	81341	390	77	75	5.8	5.3	26.7	31.0	4.8	60
SEP 22...	1010	81341	294	75	80	5.5	5.8	25.4	30.0	4.8	58

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 28...	81341	200	9.0	2.0	<1	16	.070	<.030	.060	34
NOV 18...	81341	260	4.0	1.2	3	2	<.020	<.030	.050	31
DEC 09...	81341	360	4.0	1.6	3	2	<.020	<.030	.050	30
JAN 22...	81341	180	7.0	<1.0	2	<1	.040	<.030	.040	24
FEB 19...	81341	180	9.0	1.2	3	5	.080	<.030	.090	18
MAR 10...	81341	200	7.0	1.4	3	55	.080	<.030	.070	22
31...	81341	220	7.0	1.3	4	5	.080	.090	.080	23
MAY 05...	81341	300	8.0	1.3	5	6	.170	.060	.130	23
JUN 02...	81341	320	7.0	<1.0	11	2	.670	.070	.180	14
JUL 14...	81341	80	4.0	<1.0	15	<1	.820	.050	.220	10
AUG 25...	81341	280	5.0	1.1	4	6	.310	.060	.160	34
SEP 22...	81341	200	5.0	1.4	6	2	.260	<.030	.130	28

SATILLA RIVER BASIN

02226582 SATILLA RIVER NEAR HOBOKEN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 28...	0850	81341	1560	64	4.3	6.5	9.5	6.5	53	24000
NOV 03...	0840	81213	6470	70	4.8	16.5	13.5	7.1	73	130
13...	0840	81213	3010	66	5.0	14.0	20.5	7.7	76	80
24...	0820	81341	4590	58	5.1	13.5	7.0	6.8	65	50
DEC 09...	0840	81341	2740	61	5.3	11.0	12.5	8.0	73	80
JAN 22...	1515	81341	5370	42	5.3	11.4	24.5	8.6	79	170
26...	1015	81341	6000	37	6.0	11.5	14.0	7.5	69	170
FEB 11...	1400	81341	7390	31	5.4	11.6	16.5	7.8	71	50
19...	1345	81341	4170	35	6.2	15.2	24.0	7.0	70	1100
MAY 05...	1135	81341	1010	52	5.7	21.0	26.0	5.9	66	110
12...	1040	81213	695	57	5.9	23.0	29.0	5.1	59	1300
19...	1100	81213	145	70	7.1	25.6	32.0	6.0	73	40
JUN 02...	0940	81341	111	37	6.3	25.5	33.0	4.8	58	<20
JUL 14...	1300	81341	65	136	6.3	27.4	24.0	5.1	65	90
AUG 25...	1130	81341	390	77	5.8	26.7	31.0	4.8	60	130
SEP 01...	0725	81213	114	104	6.0	28.4	27.0	3.6	47	50
15...	1130	81213	200	138	7.1	25.6	29.5	5.6	69	20
22...	1010	81341	294	75	5.5	25.4	30.0	4.8	58	80

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 17...	0725	81213	36	129	7.2	21.0	16.0	6.2	70
APR 14...	1605	81213	1720	47	6.8	18.1	28.0	6.3	67

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 17...	81213	5.9	3.0	<1.0	<2.0	<.5	<1.0	<1.0
APR 14...	81213	2.4	1.3	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 17...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.0
APR 14...	81213	1.5	<2.0	<.1	<1.0	<2.0	9.1

SATILLA RIVER BASIN

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.

LOCATION.--Lat 31°27'04", long 82°03'17", Pierce-Wayne County line, Hydrologic Unit 03070202, on downstream end of right bank pier of steel truss span of Seaboard Coast Line Railroad bridge, 1,500 ft downstream from bridge on State Highway 38, 4 mi northeast of Offerman, and 16 mi upstream from mouth.

DRAINAGE AREA.--646 mi².

PERIOD OF RECORD.--January 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 58.00 ft above sea level. Prior to Nov. 8, 1952, water-stage recorder at site 1,500 ft upstream and Nov. 8, 1952, to Sept. 30, 1975, water-stage recorder at present site at datum 1.00 ft higher.

REMARKS.--Record good, except for discharges below 10 ft³/s, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 28	1100	7,440	11.68	Feb. 7	2300	3,840	10.34
Nov. 17	2300	3,670	10.27	Feb. 18	0600	6,950	11.51
Dec. 16	1000	5,860	11.12	Feb. 24	0700	6,580	11.38
Dec. 27	1900	7,150	11.58	Mar. 11	2000	*7,910	*11.84
Jan. 17	0800	3,840	10.34	Mar. 21	0100	3,090	10.01
Jan. 26	1400	5,620	11.03				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	2520	985	2820	2760	2940	456	155	2.2	.34	.88	.82
2	.86	2740	987	2420	2390	2540	417	163	2.0	.45	.85	.62
3	.76	2870	1050	2070	2290	2160	425	162	1.7	.53	.74	14
4	.74	2470	1130	1770	2710	1840	391	189	1.5	.57	.65	65
5	.73	2030	1250	1500	3060	1590	344	956	1.8	.55	.56	59
6	.69	1690	1340	1270	3070	1380	304	1240	1.6	.55	.57	40
7	.68	1540	1320	1090	3620	1360	273	957	1.9	.51	.84	38
8	.64	1460	1210	1070	3640	1800	264	475	1.6	.45	2.5	40
9	.63	1380	1070	1180	3110	3200	477	272	1.4	.40	4.6	31
10	.60	1280	936	1580	2580	5380	679	202	1.2	.37	7.5	22
11	.57	1100	815	1740	2150	7110	832	164	1.0	.33	21	15
12	.55	944	787	1910	1810	7260	1080	137	.89	.32	20	9.8
13	.52	1040	846	2080	1520	5220	1230	115	.78	.37	19	6.2
14	.52	1220	1320	1870	1260	3680	1170	94	.72	.70	18	4.0
15	.61	1680	3660	1790	1050	2850	1070	74	.64	.93	11	2.5
16	.77	2380	5710	2810	1240	2330	1020	58	.55	.60	6.9	1.5
17	.68	3400	4980	3690	4250	1920	894	46	.52	.42	12	1.2
18	1.1	3540	4750	3060	6550	1640	715	44	.48	.32	39	.97
19	1.4	3030	4380	2900	5030	1890	605	43	.54	.28	52	1.1
20	1.3	2480	3530	3270	4290	2680	599	40	.77	.36	101	1.4
21	1.3	2040	2820	2800	3780	2960	602	30	.54	.31	112	3.5
22	1.2	1660	2350	2390	3380	2800	591	20	.43	.29	76	41
23	1.2	1330	2090	3110	5220	2610	535	13	.43	.23	47	96
24	1.2	1050	2790	4320	6220	2400	430	8.9	.39	.23	34	131
25	2.4	848	3950	4660	5370	2120	323	6.0	.39	.20	25	170
26	232	709	5750	5500	5040	1790	250	4.3	.36	.20	16	124
27	3260	655	6860	5180	4170	1460	202	3.6	.34	.56	10	72
28	7070	635	6660	4560	3410	1130	174	3.2	.32	4.9	6.8	46
29	5250	613	5420	3990	---	888	158	2.9	.28	2.9	4.2	37
30	3370	874	4270	3450	---	687	151	2.8	.29	1.6	2.5	197
31	2690	---	3420	3160	---	538	---	2.5	---	1.0	1.3	---
TOTAL	21894.65	51208	88436	85010	94970	80153	16661	5683.2	27.56	21.77	654.39	1271.61
MEAN	706	1707	2853	2742	3392	2586	555	183	.92	.70	21.1	42.4
MAX	7070	3540	6860	5500	6550	7260	1230	1240	2.2	4.9	112	197
MIN	.52	613	787	1070	1050	538	151	2.5	.28	.20	.56	.62
CFSM	1.09	2.64	4.42	4.24	5.25	4.00	.86	.28	.00	.00	.03	.07
IN.	1.26	2.95	5.09	4.90	5.47	4.62	.96	.33	.00	.00	.04	.07

SATILLA RIVER BASIN

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	246	200	530	914	1145	1108	692	246	288	310	423	362
MAX	2148	1707	2853	4219	3773	3436	2791	2031	1344	1493	1630	2363
(WY)	1995	1998	1998	1987	1986	1959	1961	1979	1959	1964	1973	1953
MIN	.025	.16	.90	11.0	15.7	53.4	19.9	1.00	.43	.18	.23	.057
(WY)	1955	1955	1955	1981	1957	1955	1967	1967	1990	1990	1988	1990

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1951 - 1998	
ANNUAL TOTAL	255822.95					445991.18						
ANNUAL MEAN	701					1222					540	
HIGHEST ANNUAL MEAN											1222	
LOWEST ANNUAL MEAN											75.0	
HIGHEST DAILY MEAN	7070					7260					16800	
LOWEST DAILY MEAN	.52					.20					.00	
ANNUAL SEVEN-DAY MINIMUM	.57					.26					.00	
INSTANTANEOUS PEAK FLOW						7910					17200	
INSTANTANEOUS PEAK STAGE						11.84					14.50	
INSTANTANEOUS LOW FLOW						.18					.00	
ANNUAL RUNOFF (CFSM)	1.08					1.89					.84	
ANNUAL RUNOFF (INCHES)	14.73					25.68					11.35	
10 PERCENT EXCEEDS	2030					3630					1470	
50 PERCENT EXCEEDS	204					304					148	
90 PERCENT EXCEEDS	1.5					.55					1.5	

a Oct 10 to Nov 14, 1954

b Oct 10 to Nov 8, 1954

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.

LOCATION.--Lat 31°13'16", long 81°52'03", Brantley County, Hydrologic Unit 03070201, on left bank piling 25 ft upstream from bridge on U.S.

Highway 82, 400 ft downstream from Seaboard Coast Line Railroad bridge, and 1 mi west of Atkinson.

DRAINAGE AREA.--2,790 mi², approximately.

PERIOD OF RECORD.--March 1930 to current year. Monthly discharge only for March 1930, published in WSP 1304.

REVISED RECORDS.--WSP 1504: 1932. WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.79 ft above sea level. Prior to Dec. 6, 1933, and Nov. 21, 1961, to Sept. 30, 1964, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of monthly discharge only are not included in the statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, 27.2 ft in September 1929, from information by

Georgia Department of Transportation; discharge, 110,000 ft³/s.PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 6	2400	10,600	15.27	Jan. 31	1900	16,200	16.73
Nov. 24	0600	9,910	15.05	Feb. 26	2300	19,100	17.32
Jan. 1	1300	20,700	17.61	Mar. 15	2000	*31,500	*19.38

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	8150	4950	20500	15800	16800	6810	1180	203	61	129	257
2	91	9860	4410	19400	14700	15300	5990	1070	189	63	156	221
3	88	9920	4070	16900	13800	13700	5170	1000	177	65	206	211
4	85	9750	3970	14300	13000	12400	4460	980	165	63	258	220
5	83	10100	3980	12100	12000	11200	3890	982	155	60	290	255
6	80	10500	3990	10500	11400	10100	3430	1040	153	59	279	341
7	78	10400	3980	9380	11300	9320	3000	1210	162	55	260	473
8	75	9940	4010	8560	11500	8850	2670	1450	166	53	258	538
9	73	9250	4110	7800	11700	8970	2620	1720	161	51	259	519
10	71	8490	4290	7090	12900	8960	2510	1920	150	49	281	457
11	69	7760	4480	6430	14400	9230	2430	1870	138	48	340	396
12	68	7190	4750	5910	14200	10900	2460	1650	129	46	431	342
13	66	6860	4840	5610	12900	14700	2630	1430	120	50	634	295
14	64	6510	5000	5560	11500	23400	2860	1260	113	59	711	254
15	65	6170	5560	5790	10200	30400	3060	1100	105	79	743	224
16	66	5830	6050	6260	9390	30000	3230	946	97	83	757	204
17	67	5550	6420	6690	10100	25500	3360	812	91	80	768	195
18	74	5430	7740	7040	10200	19800	3480	704	86	82	736	207
19	73	5510	10300	7980	11200	15200	3580	630	86	95	784	217
20	74	5980	11800	9410	15000	12400	3650	568	100	107	854	225
21	75	6880	12200	9830	15900	10800	3620	513	87	115	879	347
22	81	8120	12900	9530	14400	10100	3470	462	78	136	919	541
23	86	9380	13600	10000	13800	9890	3200	415	74	202	984	700
24	83	9870	13500	11200	13900	9770	2910	373	72	236	1020	760
25	81	9540	12600	12400	15900	9410	2630	337	70	227	1000	777
26	111	8850	11500	14300	18600	9120	2390	305	68	200	913	782
27	334	7990	11000	15500	18800	9170	2140	279	65	181	781	770
28	765	7090	11700	15200	18000	9220	1850	256	64	174	640	721
29	1310	6230	13700	14900	---	8920	1570	238	61	153	510	647
30	2260	5600	16200	15200	---	8320	1350	224	61	136	400	687
31	4990	---	19300	15900	---	7590	---	215	---	130	317	---
TOTAL	11680	238700	256900	337170	376490	409440	96420	27139	3446	3198	17497	12783
MEAN	377	7957	8287	10880	13450	13210	3214	875	115	103	564	426
MAX	4990	10500	19300	20500	18800	30400	6810	1920	203	236	1020	782
MIN	64	5430	3970	5560	9390	7590	1350	215	61	46	129	195
CFSM	.14	2.85	2.97	3.90	4.82	4.73	1.15	.31	.04	.04	.20	.15
IN.	.16	3.18	3.43	4.50	5.02	5.46	1.29	.36	.05	.04	.23	.17

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1475	925	1770	2981	4390	4826	3661	1328	1218	1413	1966	2009
MAX	12540	11850	13130	14350	14790	14430	17000	5981	8496	4870	7917	11630
(WY)	1948	1948	1948	1987	1991	1959	1948	1979	1973	1963	1971	1949
MIN	25.9	24.9	38.6	63.2	79.6	262	172	71.0	40.2	31.0	43.6	25.4
(WY)	1955	1955	1932	1932	1932	1955	1938	1938	1935	1990	1954	1990

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1930 - 1998			
ANNUAL TOTAL	949846				1790863							
ANNUAL MEAN	2602				4906				2316			
HIGHEST ANNUAL MEAN									7048			
LOWEST ANNUAL MEAN									334			
HIGHEST DAILY MEAN	19300				Dec 31				67200			
LOWEST DAILY MEAN	64				Oct 14				15			
ANNUAL SEVEN-DAY MINIMUM	66				Oct 11				16			
INSTANTANEOUS PEAK FLOW					30400				Mar 15			
INSTANTANEOUS PEAK STAGE					19.38				Mar 15			
INSTANTANEOUS LOW FLOW					46				Jul 11,12,13			
ANNUAL RUNOFF (CFSM)	.93				1.76				.83			
ANNUAL RUNOFF (INCHES)	12.66				23.88				11.28			
10 PERCENT EXCEEDS	7820				13700				6220			
50 PERCENT EXCEEDS	1140				1850				905			
90 PERCENT EXCEEDS	109				77				113			

ST MARYS RIVER BASIN

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA.

LOCATION.--Lat 30°31'03", long 82°13'50", in NW $\frac{1}{4}$ sec. 8, T.1 N., R. 21 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, near right bank at downstream side of bridge on Florida Highway 2 and Georgia Highway 94, 0.2 mi upstream from Georgia Southern & Florida Railway bridge, 0.4 mi west of Moniac, 1.0 mi downstream from Moccasin Creek, and 122 mi upstream from mouth of St Marys River.

DRAINAGE AREA.--160 mi², approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--January 1921 to December 1923 (published at St Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to September 1989, October 1989 to July, 1990 (discharge measurements only), August, 1990 to current year.

REVISED RECORDS.--WSP 1234: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 89.40 ft above sea level. Prior to June 30, 1934, nonrecording gage at site 800 ft downstream at datum 3.22 ft higher. Oct. 3, 1950 to Oct. 17, 1988, water-stage recorder, Oct. 17, 1988 to Aug. 10, 1990, non-recording gage, at present site and datum.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	153	111	359	687	1320	243	193	6.1	.11	1.2	7.4
2	7.8	234	102	325	605	1130	218	154	5.1	.07	.93	6.7
3	6.5	272	93	297	667	924	192	125	4.3	.05	.73	9.6
4	5.8	246	88	275	954	768	167	106	3.4	.03	.76	15
5	5.8	200	86	254	939	659	144	92	2.7	.02	.72	16
6	4.9	166	81	235	769	585	124	82	2.6	.01	.62	16
7	4.3	145	75	220	649	540	110	74	2.2	.01	.46	15
8	3.6	133	71	249	573	561	112	69	1.7	.00	1.8	15
9	3.1	120	72	298	514	847	194	62	1.5	.00	12	14
10	2.6	109	111	280	464	923	272	55	1.3	.00	14	13
11	2.2	100	184	248	425	740	285	49	1.1	.00	10	12
12	2.4	93	177	220	392	626	263	44	.81	.00	7.8	11
13	2.2	111	230	200	362	558	237	39	.58	.00	6.4	10
14	1.8	139	309	188	344	506	217	36	.37	.00	7.9	9.6
15	1.5	136	530	206	327	465	198	33	.19	.00	10	8.7
16	1.4	123	706	302	517	430	180	30	.09	.00	7.2	8.0
17	1.5	110	658	320	2870	399	164	27	.05	.22	5.3	7.6
18	1.5	100	562	289	3590	375	151	26	.03	2.8	4.8	7.4
19	1.6	93	497	266	3250	581	139	26	.01	3.5	5.6	8.0
20	1.4	87	452	256	2890	809	131	23	.01	3.6	6.4	10
21	1.1	82	414	233	2520	707	118	21	.02	3.0	5.8	14
22	.89	78	381	212	2220	591	106	19	.04	1.9	6.3	16
23	.84	74	398	551	2830	522	94	17	.07	2.1	9.3	17
24	1.1	71	406	995	2810	473	84	15	.08	4.7	13	17
25	3.9	65	511	948	2460	434	76	13	.09	4.9	15	16
26	7.2	62	520	830	2100	401	70	11	.10	4.6	15	17
27	43	58	530	919	1750	371	65	9.8	.11	3.7	14	19
28	78	56	580	1150	1470	343	60	9.7	.12	3.0	12	19
29	82	55	512	1040	---	318	64	8.9	.12	2.4	11	18
30	79	90	451	898	---	293	151	7.5	.12	1.9	9.5	80
31	84	---	401	790	---	267	---	6.9	---	1.5	8.5	---
TOTAL	452.53	3561	10299	13853	39948	18466	4629	1483.8	35.01	44.12	224.02	453.0
MEAN	14.6	119	332	447	1427	596	154	47.9	1.17	1.42	7.23	15.1
MAX	84	272	706	1150	3590	1320	285	193	6.1	4.9	15	80
MIN	.84	55	71	188	327	267	60	6.9	.01	.00	.46	6.7
CFSM	.09	.74	2.08	2.79	8.92	3.72	.96	.30	.01	.01	.05	.09
IN.	.11	.83	2.39	3.22	9.29	4.29	1.08	.34	.01	.01	.05	.11

ST MARYS RIVER BASIN

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	146	56.6	96.2	178	244	249	200	71.6	88.1	119	184	203
MAX	914	520	498	583	1427	1203	2238	540	775	802	726	1592
(WY)	1951	1970	1977	1986	1998	1959	1973	1964	1957	1928	1971	1928
MIN	.003	.000	.13	.19	.21	.40	.20	.23	.040	.000	.006	.023
(WY)	1955	1955	1955	1934	1934	1955	1934	1955	1954	1954	1954	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1921 - 1998	
ANNUAL TOTAL	46781.33		93448.48		153	
ANNUAL MEAN	128		256		377	
HIGHEST ANNUAL MEAN					16.3	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	897	Aug 4	3590	Feb 18	11400	Apr 5 1973
LOWEST DAILY MEAN	.84	Oct 23	.00	Jul 8-16	.00	a
ANNUAL SEVEN-DAY MINIMUM	1.2	Oct 18	.00	Jul 8-10	.00	b
INSTANTANEOUS PEAK FLOW			3730	Feb 18	11600	Apr 5 1973
INSTANTANEOUS PEAK STAGE			17.03	Feb 18	22.98	Apr 5 1973
ANNUAL RUNOFF (CFSM)	.80		1.60		.96	
ANNUAL RUNOFF (INCHES)	10.88		21.73		13.01	
10 PERCENT EXCEEDS	339		658		412	
50 PERCENT EXCEEDS	78		71		49	
90 PERCENT EXCEEDS	8.0		.60		1.2	

a No flow at times some years.

b Many seven-day periods with no flow.

ST MARYS RIVER BASIN

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.

LOCATION.--Lat 30°21'31", long 82°04'54", in NW¹/₄ sec. 2, T.2 S., R.22 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, on right bank 200 ft downstream from site of former Stokes Bridge, 1 mi downstream from confluence of North and South Prongs, 6 mi northeast of Macclenny, and 100 mi upstream from mouth.

DRAINAGE AREA.--700 mi², approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--October 1926 to current year.

REVISED RECORDS.--WSP 1082: 1928(M), 1945(M). WSP 1142: 1928, 1945. WSP 1434: 1927. WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above sea level (levels by Mees and Mees). Prior to Feb. 21, 1939, nonrecording gage and Feb. 21, 1939, to Aug. 15, 1948, water-stage recorder, at site of former bridge 200 ft upstream at same datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	297	638	1430	3450	6810	1100	276	44	30	30	66
2	55	452	606	1280	3000	5820	995	299	42	26	42	62
3	49	541	503	1140	2870	4960	902	261	41	23	176	66
4	45	519	430	1040	3160	4030	816	225	40	22	139	74
5	44	449	387	952	3540	3780	734	202	38	31	91	84
6	42	376	365	881	3520	3010	658	184	35	31	106	82
7	40	325	329	844	3130	2600	593	170	34	30	129	82
8	39	288	295	920	2650	2340	544	158	32	25	126	85
9	38	261	276	1190	2290	2500	633	149	31	23	127	84
10	36	237	478	1250	2050	3010	773	139	30	21	137	78
11	35	215	1250	1130	1840	3170	764	129	30	21	160	71
12	34	198	1410	974	1650	2900	695	120	29	20	174	66
13	34	212	1880	859	1490	2490	622	111	27	22	129	61
14	32	306	2430	785	1350	2220	561	103	26	34	109	57
15	32	358	2960	751	1240	2030	515	96	25	42	101	53
16	32	322	3530	859	1770	1870	482	89	25	50	102	50
17	32	280	3740	980	7700	1710	444	83	24	76	92	50
18	32	247	3500	951	13700	1570	410	81	24	67	149	60
19	32	222	3080	871	14100	1900	379	82	23	62	201	79
20	31	204	2650	828	12300	2840	357	88	25	62	221	102
21	30	190	2310	788	10600	3380	336	80	24	61	210	156
22	29	178	2080	732	9300	3250	307	72	23	53	225	231
23	29	168	1880	1260	11500	2870	277	66	23	44	213	363
24	29	160	1740	3130	12300	2530	252	62	25	39	175	426
25	31	152	1760	4400	11000	2290	231	58	24	38	145	399
26	32	144	1900	4300	9540	2110	214	55	26	38	123	375
27	97	137	1920	4070	8080	1920	199	53	26	43	106	344
28	357	131	1910	4580	7190	1740	187	51	25	40	92	307
29	339	128	1890	4740	---	1570	186	50	25	35	80	267
30	254	293	1760	4370	---	1400	220	48	30	32	71	290
31	217	---	1590	3900	---	1240	---	47	---	30	68	---
TOTAL	2221	7990	51477	56185	166310	85860	15386	3687	876	1171	4049	4570
MEAN	71.6	266	1661	1812	5940	2770	513	119	29.2	37.8	131	152
MAX	357	541	3740	4740	14100	6810	1100	299	44	76	225	426
MIN	29	128	276	732	1240	1240	186	47	23	20	30	50
CFSM	.10	.38	2.37	2.59	8.49	3.96	.73	.17	.04	.05	.19	.22
IN.	.12	.42	2.74	2.99	8.84	4.56	.82	.20	.05	.06	.22	.24

ST MARYS RIVER BASIN

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	804	279	384	632	892	980	776	323	361	600	940	1031
MAX	6240	4155	2470	2404	5940	4928	6564	3303	2642	2183	3296	6340
(WY)	1948	1948	1948	1942	1998	1959	1973	1964	1957	1928	1945	1964
MIN	22.7	15.9	18.0	21.7	20.2	44.7	25.7	20.4	18.8	31.3	24.9	21.4
(WY)	1932	1932	1932	1932	1934	1932	1935	1932	1935	1954	1954	1990

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1927 - 1998

ANNUAL TOTAL	228831	399782	
ANNUAL MEAN	627	1095	666
HIGHEST ANNUAL MEAN			2285
LOWEST ANNUAL MEAN			90.1
HIGHEST DAILY MEAN	4120	Apr 30	14100
LOWEST DAILY MEAN	29	Oct 22	20
ANNUAL SEVEN-DAY MINIMUM	30	Oct 19	23
INSTANTANEOUS PEAK FLOW			14700
INSTANTANEOUS PEAK STAGE			19.69
INSTANTANEOUS LOW FLOW			20
ANNUAL RUNOFF (CFSM)	.90		1.56
ANNUAL RUNOFF (INCHES)	12.16		21.25
10 PERCENT EXCEEDS	1780		3100
50 PERCENT EXCEEDS	342		217
90 PERCENT EXCEEDS	58		30

a From floodmarks

b Observed

ST MARYS RIVER BASIN

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.68	3.76	5.62	8.86	13.11	16.00	7.87	4.08	1.79	1.53	1.43	1.89
2	1.57	4.66	5.46	8.31	12.52	15.32	7.49	4.22	1.75	1.46	1.62	1.83
3	1.49	5.14	4.94	7.81	12.34	14.66	7.12	3.99	1.72	1.40	3.18	1.89
4	1.43	5.02	4.54	7.40	12.73	13.82	6.76	3.73	1.71	1.38	2.81	2.00
5	1.40	4.64	4.30	7.06	13.23	13.52	6.39	3.54	1.67	1.54	2.29	2.12
6	1.37	4.24	4.18	6.75	13.20	12.54	6.05	3.38	1.63	1.56	2.46	2.10
7	1.35	3.94	3.97	6.59	12.69	11.93	5.75	3.25	1.60	1.54	2.69	2.10
8	1.32	3.72	3.76	6.91	12.02	11.49	5.52	3.13	1.58	1.44	2.66	2.13
9	1.30	3.55	3.64	7.98	11.36	11.77	5.93	3.04	1.56	1.38	2.67	2.12
10	1.28	3.38	4.73	8.23	10.75	12.53	6.57	2.94	1.54	1.35	2.76	2.04
11	1.25	3.23	8.20	7.75	10.16	12.75	6.53	2.83	1.53	1.34	2.99	1.96
12	1.24	3.09	8.80	7.15	9.60	12.38	6.22	2.73	1.51	1.33	3.11	1.88
13	1.23	3.20	10.27	6.65	9.08	11.76	5.88	2.64	1.48	1.38	2.66	1.82
14	1.21	3.83	11.63	6.32	8.59	11.20	5.60	2.55	1.46	1.60	2.44	1.75
15	1.20	4.14	12.46	6.16	8.16	10.70	5.37	2.47	1.44	1.74	2.34	1.70
16	1.20	3.93	13.22	6.65	9.74	10.25	5.20	2.39	1.43	1.86	2.35	1.65
17	1.20	3.67	13.47	7.17	16.18	9.81	5.00	2.32	1.42	2.21	2.24	1.66
18	1.20	3.45	13.18	7.05	19.37	9.40	4.83	2.30	1.41	2.09	2.82	1.80
19	1.19	3.28	12.64	6.71	19.50	10.33	4.67	2.31	1.40	2.02	3.33	2.06
20	1.18	3.14	12.02	6.51	18.87	12.28	4.55	2.39	1.43	2.01	3.48	2.32
21	1.17	3.03	11.42	6.33	18.11	13.03	4.44	2.29	1.40	2.00	3.40	2.88
22	1.15	2.92	10.83	6.07	17.45	12.86	4.27	2.18	1.40	1.87	3.50	3.54
23	1.14	2.83	10.28	8.08	18.49	12.34	4.09	2.10	1.39	1.72	3.41	4.39
24	1.14	2.74	9.86	12.64	18.85	11.84	3.93	2.05	1.43	1.63	3.07	4.74
25	1.18	2.67	9.94	14.17	18.28	11.38	3.78	1.99	1.41	1.62	2.78	4.59
26	1.21	2.59	10.34	14.08	17.57	10.90	3.64	1.95	1.45	1.60	2.55	4.46
27	2.08	2.52	10.39	13.86	16.78	10.40	3.51	1.92	1.45	1.69	2.36	4.29
28	4.11	2.45	10.36	14.34	16.25	9.89	3.41	1.90	1.44	1.63	2.20	4.07
29	4.03	2.43	10.32	14.48	---	9.38	3.40	1.88	1.43	1.54	2.07	3.81
30	3.50	3.68	9.94	14.15	---	8.88	3.69	1.85	1.53	1.48	1.96	3.93
31	3.25	---	9.41	13.66	---	8.36	---	1.82	---	1.43	1.93	---
MEAN	1.62	3.50	8.84	8.90	14.11	11.73	5.25	2.65	1.51	1.62	2.63	2.65
MAX	4.11	5.14	13.47	14.48	19.50	16.00	7.87	4.22	1.79	2.21	3.50	4.74
MIN	1.14	2.43	3.64	6.07	8.16	8.36	3.40	1.82	1.39	1.33	1.43	1.65
CAL YR 1997	MEAN 4.75		MAX 13.91		MIN 1.14							
WTR YR 1998	MEAN 5.37		MAX 19.50		MIN 1.14							

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.

LOCATION.--Lat 30°40'50", long 82°33'38", Clinch County, Hydrologic Unit, 03110201, on downstream side of right bank pier of bridge on U.S. Highway 441 at Fargo, 4 mi upstream from Suwannoochee Creek, and 12 mi downstream from Mixons Ferry damsite.

DRAINAGE AREA.--About 1,260 mi², includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1921 to September 1923 (gage heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for April 1937, published in WSP 1304.

REVISED RECORDS.--WSP 1234: Drainage area. WSP 1504: 1928-30.

GAGE.--Water-stage recorder. Datum of gage is 91.90 ft above sea level. Jan. 27, 1921 to Sept. 30, 1923, nonrecording gage at site 1,200 ft upstream at datum 3.00 ft higher. Jan. 27, 1927 to Dec. 31, 1931 and Apr. 20, 1937 to June 10, 1938, nonrecording gage at site 1,000 ft upstream at datum 1.00 ft higher, June 11, 1938 to Nov. 26, 1952, nonrecording gage at site 1,000 ft upstream at present datum. Oct. 14, 1960 to Oct. 29, 1970, auxiliary water-stage recorder at site about 3 mi upstream and since Nov. 5, 1971, auxiliary water-stage recorder at site about 2 mi upstream.

REMARKS.--Records good, except those for the periods of estimated daily discharges, which are good to fair. Low flow at times affected by manipulation of water level at Mixons Ferry Dam.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 15	0200	2,590	11.47	Jan. 29	1400	6,600	14.95
Dec. 26	0100	3,590	12.43	Feb. 26	1400	*10,000	*17.68

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	980	1840	3050	e6300	9960	3430	1310	155	25	117	252
2	78	1160	1910	2930	e6100	9900	3270	1340	146	24	164	239
3	76	1420	1940	2810	e6050	9730	3090	1330	138	23	192	294
4	75	1700	1950	2710	e6050	9490	2920	1290	131	23	163	429
5	74	1890	1950	2620	e6000	9190	2750	1230	124	21	135	445
6	73	2040	1930	2540	e5850	8850	2590	1170	118	19	116	423
7	73	2180	1920	e2450	e5700	8570	2450	1120	110	18	103	413
8	72	2300	1900	e2450	e5500	8390	2430	1070	104	15	119	424
9	72	2390	1880	e2400	e5350	8450	2770	1010	e98	14	287	420
10	72	2440	1950	e2400	e5100	8460	2970	943	e92	15	383	405
11	71	2460	2030	e2350	e4900	8370	3010	876	e86	15	383	391
12	71	2460	2130	e2300	e4700	8140	2910	808	e80	16	357	375
13	71	2510	2250	e2250	e4500	7830	2760	739	e76	18	333	357
14	71	2570	e2400	e2200	e4350	7500	2620	673	e72	20	358	338
15	72	2590	e2650	e2300	e4150	7160	2490	609	e66	27	403	316
16	77	2580	e2900	e2500	e4350	6840	2390	551	e62	37	409	296
17	77	2540	e3100	e2650	e5900	6510	2290	502	e59	44	394	278
18	76	2480	3180	e2800	e7200	6240	2200	460	e56	64	372	267
19	76	2400	3180	e2950	e8000	6250	2130	420	e53	83	364	273
20	75	2320	3150	e3000	e8300	6130	2060	383	e50	87	367	286
21	74	2240	3120	e3100	e8400	5960	1990	350	e47	81	375	309
22	74	2170	3090	e3150	e8500	5750	1920	319	e44	77	375	353
23	73	2090	3210	e3750	e9000	5550	1830	291	e42	72	389	413
24	74	2020	3400	e4750	e9500	5330	1740	266	e41	70	392	428
25	73	1950	3550	e5600	9860	5070	1650	243	e39	68	378	407
26	75	1880	3580	e6000	10000	4830	1570	221	37	63	360	394
27	254	1810	3540	e6300	10000	4570	1500	204	36	65	341	386
28	564	1750	3480	e6500	9980	4340	1400	195	33	93	323	374
29	659	1700	3400	e6600	---	4100	1300	186	31	139	303	368
30	732	1780	3290	e6600	---	3850	1280	173	29	143	286	e800
31	815	---	3170	e6500	---	3620	---	163	---	123	270	---
TOTAL	4950	62800	82970	110510	189590	214930	69710	20445	2255	1602	9311	11153
MEAN	160	2093	2676	3565	6771	6933	2324	660	75.2	51.7	300	372
MAX	815	2590	3580	6600	10000	9960	3430	1340	155	143	409	800
MIN	71	980	1840	2200	4150	3620	1280	163	29	14	103	239
CFSM	.13	1.66	2.12	2.83	5.37	5.50	1.84	.52	.06	.04	.24	.30
IN.	.15	1.85	2.45	3.26	5.60	6.35	2.06	.60	.07	.05	.27	.33

e Estimated

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1115	609	697	1115	1566	1917	1607	664	484	651	1099	1042
MAX	10150	8066	6426	5345	6771	6933	8330	2952	4258	2180	6278	6471
(WY)	1929	1948	1977	1942	1998	1998	1973	1928	1973	1946	1945	1964
MIN	.12	.13	.24	3.04	4.28	6.10	12.7	7.13	4.33	1.82	.20	.43
(WY)	1955	1932	1955	1955	1957	1955	1955	1955	1955	1954	1954	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1927 - 1998			
ANNUAL TOTAL	399692				780226							
ANNUAL MEAN	1095				2138				1056			
HIGHEST ANNUAL MEAN									3512			
LOWEST ANNUAL MEAN									59.8			
HIGHEST DAILY MEAN	3580				10000				13800			
LOWEST DAILY MEAN	71				14				.00			
ANNUAL SEVEN-DAY MINIMUM	71				16				.00			
INSTANTANEOUS PEAK FLOW					10000				13800			
INSTANTANEOUS PEAK STAGE					17.68				21.01			
INSTANTANEOUS LOW FLOW					14				.00			
ANNUAL RUNOFF (CFSM)	.87				1.70				.84			
ANNUAL RUNOFF (INCHES)	11.80				23.04				11.38			
10 PERCENT EXCEEDS	2400				6170				2700			
50 PERCENT EXCEEDS	829				1280				463			
90 PERCENT EXCEEDS	115				67				33			

a No flow on a number of days during 1932, 1944, 1954, and 1955 water years

b A number of seven-day periods with no flow during 1944, 1954, and 1955 water years

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD AF.D UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 28...	1025	81341	564	72	68	3.9	3.8	18.0	14.5	6.7	71
NOV 18...	1015	81341	2480	88	81	3.8	3.8	12.0	14.0	6.9	63
DEC 09...	1010	81341	1890	76	68	3.8	3.9	11.5	19.0	8.4	78
JAN 21...	1515	81341	E3100	64	57	3.8	3.7	11.8	24.0	8.2	76
FEB 18...	1030	81341	E7200	53	51	4.1	3.9	14.7	22.0	8.4	83
MAR 11...	1100	81341	8380	52	48	3.9	3.9	14.0	9.0	5.5	53
APR 01...	0830	81341	3450	55	51	4.0	3.9	21.0	21.0	5.2	58
MAY 06...	0715	81341	1190	60	56	3.9	4.0	21.8	19.5	5.3	61
JUN 03...	0655	81341	139	66	66	3.9	4.0	29.4	27.5	4.7	61
JUL 15...	1015	81213	26	59	61	4.6	4.2	29.0	27.5	4.8	63
AUG 26...	1010	81341	362	70	69	3.9	3.8	28.4	28.5	5.3	69
SEP 23...	0915	81341	410	69	75	3.8	3.9	26.5	31.5	5.4	67

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TANNIN AND LIGNIN (MG/L) (32240)
OCT 28...	81341	240	4.0	2.0	<1	7	<.020	<.030	<.020	37	5.4
NOV 18...	81341	360	2.0	1.1	<1	<1	<.020	<.030	<.020	59	9.6
DEC 09...	81341	360	3.0	1.2	<1	2	<.020	<.030	<.020	49	--
JAN 21...	81341	280	2.0	<1.0	<1	<1	<.020	.060	<.020	41	6.8
FEB 18...	81341	260	2.0	<1.0	<1	<1	<.020	.080	<.020	33	5.8
MAR 11...	81341	300	1.0	1.5	<1	<1	<.020	<.030	<.020	36	7.0
APR 01...	81341	360	2.0	1.6	<1	<1	<.020	.030	<.020	40	7.2
MAY 06...	81341	360	5.0	1.3	<1	1	<.020	<.030	.020	44	8.4
JUN 03...	81341	240	3.0	1.0	<1	<1	<.020	.040	<.020	48	9.8
JUL 15...	81213	--	1.2	1.4	<1	2	.020	.220	.090	40	--
AUG 26...	81341	280	3.0	1.1	<1	8	<.020	<.030	<.020	54	8.2
SEP 23...	81341	320	2.0	1.1	<1	2	<.020	<.030	<.020	52	8.2

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 28...	1025	81341	564	72	3.9	18.0	14.5	6.7	71	4600
NOV 03...	1010	81213	1370	78	4.1	17.5	19.0	6.3	66	700
13...	1010	81213	2510	87	4.0	15.5	22.5	6.3	64	490
24...	0955	81341	2030	84	3.8	15.0	13.5	6.0	59	<20
DEC 09...	1010	81341	1890	76	3.8	11.5	19.0	8.4	78	50
JAN 21...	1515	81341	E3100	64	3.8	11.8	24.0	8.2	76	<50
FEB 03...	1045	81213	E6100	63	3.9	12.3	23.5	7.2	69	<20
10...	1055	81213	E5100	65	4.0	10.9	18.0	7.4	66	<20
18...	1030	81341	E7200	53	4.1	14.7	22.0	8.4	83	230
MAY 06...	0715	81341	1190	60	3.9	21.8	19.5	5.3	61	<20
13...	0715	81213	753	63	4.0	23.3	19.5	5.5	64	<20
20...	1200	81213	383	63	3.9	26.3	35.5	6.3	78	<20
JUN 03...	0655	81341	139	66	3.9	29.4	27.5	4.7	61	<20
AUG 26...	1010	81341	362	70	3.9	28.4	28.5	5.3	69	<20
SEP 02...	1000	81213	240	74	3.7	27.4	28.0	5.3	68	<20
16...	0845	81213	299	72	4.1	25.4	22.0	5.9	73	<20
23...	0915	81341	410	69	3.8	26.5	31.5	5.4	67	50

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	1710	81213	77	73	4.1	23.3	24.0	6.3	74
APR 15...	1000	81213	2500	55	4.0	18.7	34.0	5.8	62

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 16...	81213	1.0	.80	<1.0	2.5	<.5	<1.0	<1.0
APR 15...	81213	.60	.40	<1.0	2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 16...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.1
APR 15...	81213	2.0	<2.0	<.1	<1.0	<2.0	5.6

SUWANNEE RIVER BASIN

02317500 ALAPAHA RIVER AT STATENVILLE, GA.

LOCATION.--Lat 30°42'14", long 83°02'00", Echols County, Hydrologic Unit 03110202, at downstream side of left bank pier of bridge on State Highway 94, 10.4 mi upstream from Alapahoochee River (Grand Bay Creek), 0.2 mi west of Statenville.

DRAINAGE AREA.--1,400 mi², approximately.

PERIOD OF RECORD.--January to June 1921, October 1931 to current year. Monthly discharge only for October to December 1931, published in WSP 1304.

REVISED RECORDS.--WSP 822: 1936, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 76.77 ft above sea level (levels by Georgia Department of Transportation). Jan. 28 to June 30, 1921, nonrecording gage at site 50 ft upstream at datum 2.10 ft higher. Dec. 10, 1931 to Nov. 30, 1949, nonrecording gage at site 200 ft upstream at present datum, and Dec. 1, 1949, to Nov. 22, 1952, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey. Periods of monthly discharge only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 6, 1948, from information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 6	1600	4,730	18.69	Feb. 2	2300	7,740	25.11
Nov. 24	1200	5,030	19.61	Feb. 17	1900	7,100	24.61
Dec. 13	2200	6,780	24.25	Mar. 15	1200	*18,700	*29.50
Dec. 27	0800	8,400	25.58	Apr. 20	2000	4,400	17.62

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	2170	2970	12000	7100	5210	3900	1820	273	83	98	127
2	48	2790	2680	11600	7590	5040	3330	1630	293	81	128	116
3	46	3420	2480	10700	7710	4900	2850	1400	286	80	113	230
4	46	4020	2370	10200	7510	4690	2460	1230	264	77	97	220
5	46	4480	2340	9730	7040	4390	2120	1150	240	74	84	194
6	64	4710	2470	9290	6580	4040	1840	1070	214	72	75	166
7	169	4630	2960	8700	6130	3840	1610	1080	195	67	68	180
8	185	4260	3760	8270	5600	4030	1580	1130	180	64	65	269
9	172	3780	4550	7680	5200	4610	2060	1220	181	62	67	421
10	153	3330	5250	6900	5180	5060	1980	1420	203	62	69	587
11	136	2890	5880	6210	5420	5550	1990	1700	221	60	74	765
12	123	2500	6380	5320	5740	6130	1900	1980	230	60	86	900
13	109	2490	6710	4380	6060	7470	1740	2130	222	74	81	978
14	99	2680	6680	3700	6390	14300	1750	2110	205	83	74	962
15	96	2840	6320	3520	6630	18400	2010	1980	186	83	76	815
16	116	2970	5660	4220	6710	17100	2440	1820	172	110	79	633
17	109	3130	4900	4500	7000	15000	3010	1660	158	107	82	534
18	103	3330	4420	4510	6980	13600	3590	1460	146	109	83	493
19	102	3630	4330	4490	6810	13300	4070	1220	143	98	86	473
20	96	4050	4610	4420	6670	12100	4350	993	148	84	88	438
21	88	4470	5070	4280	6450	10600	4330	809	123	105	88	473
22	83	4780	5670	4180	6080	9440	3940	660	114	100	83	443
23	80	4960	6290	4250	6090	8460	3250	549	106	85	92	453
24	80	5020	7010	4410	6120	7740	2670	474	101	76	102	383
25	91	4970	7900	4470	6130	7110	2400	413	101	69	104	334
26	98	4830	8280	4500	6040	6670	2360	365	130	67	116	348
27	707	4560	8360	4590	5770	6350	2400	363	105	91	168	490
28	1830	4150	8160	4830	5450	5950	2380	378	98	110	197	624
29	1700	3640	7980	5250	---	5430	2250	374	92	104	185	747
30	1650	3300	8500	5840	---	4910	2050	320	87	98	162	1960
31	1770	---	10600	6420	---	4420	---	296	---	87	143	---
TOTAL	10245	112780	171540	193360	178180	245840	78610	35204	5217	2582	3113	15756
MEAN	330	3759	5534	6237	6364	7930	2620	1136	174	83.3	100	525
MAX	1830	5020	10600	12000	7710	18400	4350	2130	293	110	197	1960
MIN	46	2170	2340	3520	5180	3840	1580	296	87	60	65	116
CFSM	.24	2.69	3.95	4.46	4.55	5.66	1.87	.81	.12	.06	.07	.38
IN.	.27	3.00	4.56	5.14	4.73	6.53	2.09	.94	.14	.07	.08	.42

SUWANNEE RIVER BASIN

02317500 ALAPAHA RIVER AT STATENVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	392	345	802	1456	2314	2723	2141	835	528	515	673	471
MAX	3868	5818	7155	6237	7391	7930	8328	3720	2526	1806	3589	2334
(WY)	1995	1948	1948	1998	1991	1998	1948	1944	1973	1964	1945	1935
MIN	28.4	21.0	33.7	35.8	77.6	129	165	77.2	46.9	38.8	29.4	25.6
(WY)	1969	1955	1955	1934	1934	1955	1968	1986	1955	1981	1954	1954

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1921 - 1998

ANNUAL TOTAL	607822	1052427	
ANNUAL MEAN	1665	2883	1107
HIGHEST ANNUAL MEAN			3280
LOWEST ANNUAL MEAN			127
HIGHEST DAILY MEAN	10600	Dec 31	18400
LOWEST DAILY MEAN	46	Oct 3-5	46
ANNUAL SEVEN-DAY MINIMUM	49	Sep 29	64
INSTANTANEOUS PEAK FLOW			18700
INSTANTANEOUS PEAK STAGE			29.50
INSTANTANEOUS LOW FLOW			46
ANNUAL RUNOFF (CFSM)	1.19	2.06	16
ANNUAL RUNOFF (INCHES)	16.15	27.96	10.75
10 PERCENT EXCEEDS	4920	6990	3000
50 PERCENT EXCEEDS	833	1830	398
90 PERCENT EXCEEDS	82	83	56

a From graph based on gage readings.

SUWANNEE RIVER BASIN

023177483 WITHLACOOCHEE RIVER AT MCMILLAN ROAD NEAR BEMISS, GA.

LOCATION.--Lat 30°56'50", long 83°16'22", Lowndes County, Hydrologic Unit 03110203, on downstream side of bridge pier on McMillan Road, 2.3 mi downstream from Cat Creek, and 3.0 mi northwest of Bemiss.

DRAINAGE AREA.--502 mi², approximately.

PERIOD OF RECORD.--June 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 125 ft above sea level (from topographic map).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 30	1900	4,910	16.69	Feb. 8	0300	2,310	13.76
Nov. 17	0600	5,190	16.85	Feb. 18	1100	2,820	14.67
Dec. 5	0200	2,550	14.21	Feb. 24	0200	2,850	14.72
Dec. 19	0400	3,360	15.41	Mar. 11	0500	*19,700	*22.50
Dec. 27	2300	6,500	17.50	Mar. 21	2100	5,420	16.97
Jan. 27	0800	4,010	16.07				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	3170	1050	1910	1980	1670	456	140	36	4.7	59	12
2	134	2710	1210	1590	1590	1370	414	135	43	4.1	74	10
3	267	2520	1540	1250	1480	1200	382	116	74	3.8	57	110
4	281	2510	2260	963	1700	1050	348	99	65	3.3	40	254
5	187	2500	2450	776	1830	893	309	97	47	2.7	26	476
6	119	2330	1930	665	1880	763	280	100	34	2.6	18	510
7	77	1990	1410	635	2160	766	252	163	26	2.5	15	337
8	56	1630	1010	856	2270	1370	289	221	21	2.4	32	315
9	43	1280	778	1140	1940	4720	521	186	18	2.4	45	512
10	35	966	670	1240	1500	14900	817	166	16	2.3	79	495
11	28	857	608	1410	1150	18200	989	144	14	2.2	70	300
12	26	854	569	1710	887	11100	954	129	13	7.3	44	182
13	23	1130	552	1770	739	5260	986	105	12	12	30	126
14	20	1520	606	1460	645	3310	1160	81	10	6.5	22	94
15	22	1940	815	1250	579	2370	961	64	9.3	8.6	22	74
16	53	3740	1160	1500	561	1760	615	51	8.6	13	43	60
17	45	4970	1580	1840	1830	1380	407	42	7.9	23	31	52
18	30	3940	2620	1860	2740	1170	313	35	7.1	58	53	51
19	25	2880	3250	1870	2460	1820	268	30	6.4	64	100	65
20	21	2070	2510	1910	2230	3250	248	26	5.8	50	79	58
21	18	1490	1760	1760	1940	5180	229	23	5.2	36	55	105
22	20	1080	1300	1510	1760	5160	215	20	5.0	27	39	184
23	24	817	1010	1540	2470	4020	201	18	4.6	19	34	225
24	32	668	1020	2040	2810	2930	188	16	4.5	15	42	255
25	38	582	1370	2650	2700	2070	181	15	4.9	14	52	242
26	129	535	2370	3430	2570	1510	167	14	7.0	13	53	173
27	1180	555	5690	3940	2370	1120	138	53	7.6	11	41	125
28	1230	634	5960	3550	2060	864	110	114	13	9.9	29	107
29	1370	636	4210	2990	---	708	92	66	7.8	10	22	176
30	4230	841	3020	2590	---	602	93	59	6.1	14	18	1010
31	4180	---	2260	2310	---	521	---	50	---	23	15	---
TOTAL	14006	53345	58548	55915	50831	103007	12583	2578	539.8	467.3	1339	6695
MEAN	452	1778	1889	1804	1815	3323	419	83.2	18.0	15.1	43.2	223
MAX	4230	4970	5960	3940	2810	18200	1160	221	74	64	100	1010
MIN	18	535	552	635	561	521	92	14	4.5	2.2	15	10
CFSM	.90	3.54	3.76	3.59	3.62	6.62	.84	.17	.04	.03	.09	.44
IN.	1.04	3.95	4.34	4.14	3.77	7.63	.93	.19	.04	.03	.10	.50

SUWANNEE RIVER BASIN

023177483 WITHLACOOCHEE RIVER AT MCMILLAN ROAD NEAR BEMISS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	295	278	432	1052	1347	1420	479	162	163	270	376	110
MAX	1843	1778	1889	2935	2738	3525	1009	642	484	1655	2169	416
(WY)	1995	1998	1998	1991	1995	1991	1994	1991	1994	1991	1991	1994
MIN	9.35	6.31	26.1	32.9	72.6	246	173	18.2	5.57	7.02	3.90	1.23
(WY)	1996	1992	1996	1989	1989	1989	1989	1990	1990	1988	1990	1990

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1988 - 1998

ANNUAL TOTAL	255709.1	359854.1	
ANNUAL MEAN	701	986	533
HIGHEST ANNUAL MEAN			1178
LOWEST ANNUAL MEAN			135
HIGHEST DAILY MEAN	6730	Feb 18	18200
LOWEST DAILY MEAN	4.0	Sep 22	2.2
ANNUAL SEVEN-DAY MINIMUM	4.2	Sep 20	2.4
INSTANTANEOUS PEAK FLOW			19700
INSTANTANEOUS PEAK STAGE			22.50
INSTANTANEOUS LOW FLOW			1.8
ANNUAL RUNOFF (CFSM)	1.40		1.96
ANNUAL RUNOFF (INCHES)	18.95		26.67
10 PERCENT EXCEEDS	1960		2510
50 PERCENT EXCEEDS	290		268
90 PERCENT EXCEEDS	17		12

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.

LOCATION.--Lat 30°47'35", long 83°27'13", Brooks-Lowndes County line, Hydrologic Unit 03110203, on downstream right bank pier of abandoned bridge on old U.S. Highway 84, 4 mi upstream from Piscola Creek, 6 mi east of Quitman, and 9 mi downstream from Little River.

DRAINAGE AREA.--1,480 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to December 1931, June 1937 to May 1948, October 1988 to May 1992, June 1993 to current year.

REVISED RECORDS.--WSP 1304: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 84.30 ft above sea level. October 1, 1928 to December 11, 1931, nonrecording gage at same site at datum 5.0 ft lower. June 9, 1937 to May 31, 1948, nonrecording gage at same site and datum. May 19, 1949 to March 1, 1954, crest-stage gage at same site and datum. September 29, 1988 to May 4, 1989, water-stage recorder at site, 2,000 ft upstream at same datum.

REMARKS.--Records good, except for the period of estimated daily discharge, which is fair.

PEAK DISCHARGES FOR CURRENT YEAR.-- Peak discharge greater than base discharge of 2,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 3	1700	7,990	19.60	Jan. 29	2300	8,690	20.26
Nov. 19	2100	8,970	20.48	Feb. 27		unknown	unknown
Dec. 7	1600	7,220	18.75	Mar. 12	1800	*35,500	*29.77
Dec. 21	1400	7,190	18.70	Apr. 16	2200	3,530	12.98
Dec. 30	0800	14,200	23.54				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	6590	2540	10000	6700	5690	1530	391	e280	e25	e210	55
2	368	7570	2920	8430	5810	5200	1340	383	e220	39	e240	47
3	354	7950	3360	7360	5150	4530	1200	345	e170	32	e180	475
4	386	7840	3970	6290	4850	3920	1090	306	e220	27	e150	547
5	361	7360	5010	5140	4690	3400	971	286	e330	24	e110	972
6	253	6710	6220	3940	4670	2960	871	267	e290	20	e100	1410
7	157	5960	7110	3000	4670	2870	785	351	e220	19	e90	1610
8	107	5020	6900	2860	4770	3630	1190	793	e160	18	95	1640
9	80	3950	5910	3010	5040	5380	2180	919	e130	18	98	1740
10	65	3040	4630	3180	5280	7820	1780	1130	e110	20	116	1920
11	56	2480	3340	3360	5250	20000	1800	1200	e95	21	131	2040
12	50	2200	2440	3660	4740	33900	1910	987	e85	19	103	1940
13	45	2590	2060	4130	3890	30400	2050	717	e80	127	81	1530
14	41	3070	1980	4490	2950	e22500	2380	549	e70	158	72	948
15	46	3570	2210	4640	2270	e18500	2950	435	e65	75	80	586
16	76	4260	2670	4750	1990	e16000	3430	344	e60	131	67	412
17	53	5600	3310	4640	3790	e13000	3380	268	e55	122	64	324
18	44	7380	4070	4500	4700	e10500	2530	e230	e50	226	72	299
19	54	8720	5220	4400	5150	e8000	1540	e200	e45	211	145	374
20	54	8680	6420	4340	5220	e6700	1100	e170	e40	145	129	346
21	58	7770	7130	4350	e4700	e6100	916	e150	e40	118	107	439
22	57	6580	6880	4330	e4900	e6400	855	e130	e40	134	85	566
23	56	5310	6090	4460	e3500	e7400	858	e120	e35	140	81	811
24	60	3940	5130	4630	e5600	e8500	870	e110	e35	150	74	908
25	95	2680	4390	5050	e5700	e8600	835	e95	e30	114	71	943
26	133	2040	4270	5490	e5800	e7600	753	e85	e30	92	68	951
27	2820	1820	4880	6180	e5900	e5700	650	e75	e30	e85	64	878
28	4270	1750	6840	7420	6030	e4300	549	e70	e30	e80	59	778
29	4850	1750	11700	8470	---	e3500	467	e150	e25	e75	54	925
30	5000	2230	13900	8450	---	e2500	421	e500	e25	e75	52	2700
31	5370	---	12100	7680	---	e1700	---	e350	---	e110	82	---
TOTAL	25737	146410	165600	162630	133710	287200	43181	12106	3095	2650	3130	29114
MEAN	830	4880	5342	5246	4775	9265	1439	391	103	85.5	101	970
MAX	5370	8720	13900	10000	6700	33900	3430	1200	330	226	240	2700
MIN	41	1750	1980	2860	1990	1700	421	70	25	18	52	47
CFSM	.56	3.30	3.61	3.54	3.23	6.26	.97	.26	.07	.06	.07	.66
IN.	.65	3.68	4.16	4.09	3.36	7.22	1.09	.30	.08	.07	.08	.73

e Estimated.

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	790	639	972	1867	2616	3522	2101	714	476	861	925	374
MAX	5552	6921	7062	6492	6686	9265	11040	2767	1504	4962	4709	1231
(WY)	1995	1948	1948	1991	1995	1998	1948	1991	1991	1991	1991	1994
MIN	12.8	11.0	20.7	48.6	128	492	363	50.2	23.1	27.0	19.9	14.1
(WY)	1941	1941	1991	1989	1989	1938	1938	1938	1990	1990	1990	1990

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1929 - 1998			
ANNUAL TOTAL	673641				1014563							
ANNUAL MEAN	1846				2780				1222			
HIGHEST ANNUAL MEAN									3210			
LOWEST ANNUAL MEAN									293			
HIGHEST DAILY MEAN	13900				Dec 30				61000			
LOWEST DAILY MEAN	23				Sep 16				6.8			
ANNUAL SEVEN-DAY MINIMUM	25				Sep 13				7.6			
INSTANTANEOUS PEAK FLOW					35500				Mar 12			
INSTANTANEOUS PEAK STAGE					29.77				Mar 12			
INSTANTANEOUS LOW FLOW					18				Jul 9			
ANNUAL RUNOFF (CFSM)	1.25				1.88				.83			
ANNUAL RUNOFF (INCHES)	16.93				25.50				11.22			
10 PERCENT EXCEEDS	5600				6860				3640			
50 PERCENT EXCEEDS	873				1100				435			
90 PERCENT EXCEEDS	54				55				25			

a From floodmarks.

b Nov 11-13, 1940 and Nov 21, 1942.

SUWANNEE RIVER BASIN

02318700 OKAPILCO CREEK AT STATE HIGHWAY 33, NEAR QUITMAN, GA.

LOCATION.--Lat 30°49'32", long 83°33'45", Brooks County, Hydrologic Unit 03110203, on downstream side of bridge pier on State Highway 33, 1.0 mi downstream from Coon Creek, and 3.0 mi north of Quitman.

DRAINAGE AREA.--269 mi², approximately.

PERIOD OF RECORD.--December 1979 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 110 ft above sea level (from topographic map).

REMARKS.--Records fair to poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0600	2,380	12.42	Jan. 26		unknown	unknown
Nov. 4	0500	2,120	12.21	Feb. 6		unknown	unknown
Nov. 16	1400	2,980	12.84	Feb. 23	0600	1,400	11.59
Dec. 3	2100	1,510	11.69	Mar. 10	2000	*8,020	*15.27
Dec. 28	0100	2,170	12.25	Mar. 21	1600	3,160	12.95

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	1650	610	630	490	682	181	43	.02	.00	.85	.00
2	6.6	1660	983	524	414	570	166	39	.00	.00	.74	.00
3	5.5	2060	1400	428	627	555	151	34	.00	.00	.42	250
4	2.3	2080	1420	322	788	521	145	30	.00	.00	.20	233
5	.62	1680	1110	257	1030	423	142	27	.00	.00	.05	173
6	.15	1180	815	226	e1250	332	129	25	.00	.00	.01	187
7	.03	781	595	283	e1200	412	114	24	.00	.00	.00	506
8	.01	503	424	502	918	1030	218	23	.00	.00	.00	473
9	.00	338	320	596	692	3070	460	22	.00	.00	.00	273
10	.01	282	263	682	511	6660	336	22	.00	.00	.00	135
11	.01	280	229	878	383	6810	372	46	.00	.00	.00	73
12	.01	288	205	1020	310	4440	431	109	.00	.00	.00	47
13	.02	550	199	797	266	2660	415	128	.00	.00	.00	32
14	.01	711	240	557	233	1650	374	84	.00	.00	.00	23
15	.03	1450	302	581	213	987	328	46	.00	.00	.00	16
16	1.1	2840	378	654	217	652	216	28	.00	.00	.00	12
17	2.6	2520	521	610	928	480	141	19	.00	.00	.00	12
18	1.2	1740	698	758	865	427	108	14	.00	.00	.00	111
19	.95	1150	731	812	1010	893	96	11	.00	.00	.00	166
20	.83	767	606	774	e1050	1560	100	8.5	.00	.00	.00	147
21	.90	523	459	648	e1020	2970	98	6.8	.00	.00	.00	184
22	1.1	359	343	520	932	2640	92	5.4	.00	.00	.00	272
23	1.2	270	277	800	1280	1880	96	4.4	.00	.00	.00	463
24	1.4	220	491	1070	1140	1270	105	3.3	.00	.81	.00	402
25	3.7	187	848	1190	e1300	802	104	2.5	.00	4.3	.00	382
26	67	171	1350	e1450	e1250	536	89	1.9	.00	6.3	.00	332
27	1920	176	1950	e1550	1080	410	71	1.0	.00	6.0	.00	230
28	1810	181	2080	1150	860	327	57	.35	.00	7.0	.00	208
29	1980	195	1730	824	---	277	48	.14	.00	4.6	.00	453
30	1760	493	1290	677	---	240	43	.07	.00	2.4	.00	4430
31	1540	---	877	582	---	205	---	.06	---	1.6	.00	---
TOTAL	9111.18	27285	23744	22352	22257	46371	5426	808.42	0.02	33.012.27	10225.00	
MEAN	294	910	766	721	795	1496	181	26.1	.001	1.06	.073	341
MAX	1980	2840	2080	1550	1300	6810	460	128	.02	7.0	.85	4430
MIN	.00	171	199	226	213	205	43	.06	.00	.00	.00	.00
CFSM	1.09	3.38	2.85	2.68	2.95	5.56	.67	.10	.00	.00	.00	1.27
IN.	1.26	3.77	3.28	3.09	3.08	6.41	.75	.11	.00	.00	.00	1.41

e Estimated.

SUWANNEE RIVER BASIN

02318700 OKAPILCO CREEK AT STATE HIGHWAY 33, NEAR QUITMAN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	114	93.4	201	492	754	798	384	79.3	82.8	111	148	55.9
MAX	1255	910	839	1735	2614	2223	1160	507	424	788	1031	341
(WY)	1995	1998	1986	1991	1986	1991	1983	1991	1994	1991	1994	1998
MIN	.000	.000	.000	.63	1.95	52.5	20.0	.39	.001	.000	.073	.000
(WY)	1982	1991	1991	1989	1989	1985	1985	1986	1998	1990	1998	1990

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1980 - 1998			
ANNUAL TOTAL	132004.26				167614.90							
ANNUAL MEAN	362				459				275			
HIGHEST ANNUAL MEAN									664			
LOWEST ANNUAL MEAN									36.4			
HIGHEST DAILY MEAN	3660				Feb 17				14600			
LOWEST DAILY MEAN	.00				Sep 17-27				.00			
ANNUAL SEVEN-DAY MINIMUM	.00				Sep 17-21				.00			
INSTANTANEOUS PEAK FLOW					8020				Mar 10			
INSTANTANEOUS PEAK STAGE					15.27				Mar 10			
ANNUAL RUNOFF (CFSM)	1.34				1.71				1.02			
ANNUAL RUNOFF (INCHES)	18.25				23.18				13.86			
10 PERCENT EXCEEDS	1010				1270				769			
50 PERCENT EXCEEDS	163				171				37			
90 PERCENT EXCEEDS	1.0				.00				.01			

- a No flow on many days.
b No flow at times most years.
c Many seven-day periods with no flow.
d From floodmarks..

SUWANNEE RIVER BASIN

02318960 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA.

LOCATION.--Lat 30°38'07", long 83°18'41", Lowndes County, Hydrologic Unit 03110203, at bridge on State Highway 31, 4.3 mi south of Clyattville.

DRAINAGE AREA.--2,030 mi², approximately.

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

REMARKS.--Streamflow includes return flow by the City of Valdosta. Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 28...	1250	81341	3340	43	42	6.2	6.0	18.5	15.5	7.0	75
NOV 18...	1220	81341	7330	58	57	6.0	5.9	12.5	16.5	8.0	74
DEC 09...	1215	81341	7550	55	53	6.1	6.2	11.0	19.5	8.3	76
JAN 20...	0930	81341	6040	57	35	6.6	6.6	11.5	9.5	8.2	75
FEB 17...	1120	81341	4780	53	53	6.5	6.6	15.0	23.0	7.3	74
MAR 26...	1355	81341	15100	38	38	6.2	6.2	16.3	28.0	7.3	75
APR 06...	0930	81341	1760	99	96	6.8	6.7	19.3	20.0	5.2	57
MAY 07...	0855	81341	512	153	140	7.2	7.2	21.8	22.5	5.0	57
JUN 09...	0900	81341	217	191	186	7.0	7.0	23.9	30.0	4.5	53
JUN 18...	0930	81341	122	231	220	7.6	7.6	25.8	32.5	4.3	52
JUL 16...	1230	81341	293	200	195	6.6	7.4	26.7	31.0	4.0	51
AUG 27...	0950	81341	1250	208	207	6.7	7.8	25.3	29.0	4.8	59
SEP 24...	0830	81341	1480	75	79	6.5	6.6	25.5	24.5	4.9	60

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 28...	81341	120	46	2.6	<1	56	.190	<.030	.160	12
NOV 18...	81341	120	10	1.5	6	4	.130	<.030	.060	19
DEC 09...	81341	280	9.0	1.5	6	3	.020	<.030	.040	20
JAN 20...	81341	40	16	<1.0	10	15	.240	<.030	.070	16
FEB 17...	81341	180	29	1.4	11	22	.260	.060	.090	11
MAR 26...	81341	180	24	1.3	6	3	.150	<.030	.060	13
APR 06...	81341	130	9.0	<1.0	29	8	.320	.070	.110	10
MAY 07...	81341	70	5.0	<1.0	56	4	.370	<.030	.110	7.0
JUN 09...	81341	--	--	--	78	2	.320	<.030	.100	5.0
JUN 18...	81341	20	1.0	<1.0	99	1	.160	.080	.100	3.0
JUL 16...	81341	10	2.0	<1.0	72	15	.230	<.030	.120	4.0
AUG 27...	81341	30	1.0	1.0	84	1	.240	<.030	.120	4.0
SEP 24...	81341	120	9.0	1.2	11	7	.250	.040	.150	18

SUWANNEE RIVER BASIN

02318960 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 28...	1250	81341	3340	43	6.2	18.5	15.5	7.0	75	35000
NOV 03...	1245	81213	8200	58	5.7	17.5	20.5	6.8	71	230
13...	1205	81213	3810	77	6.4	14.5	23.0	7.9	79	80
24...	1155	81341	7240	61	6.1	14.0	15.5	7.3	70	130
DEC 09...	1215	81341	7550	55	6.1	11.0	19.5	8.3	76	50
JAN 20...	0930	81341	6040	57	6.6	11.5	9.5	8.2	75	230
FEB 02...	0745	81213	9220	67	7.0	11.2	13.5	9.1	83	20
09...	0930	81213	6810	57	6.6	10.1	10.7	9.1	81	80
17...	1120	81341	4780	53	6.5	15.0	23.0	7.3	74	2300
MAY 07...	0855	81341	512	153	7.2	21.8	22.5	5.0	57	20
14...	0800	81213	936	103	6.9	22.7	23.0	5.5	63	<20
21...	0835	81213	354	170	6.3	24.1	27.5	4.3	51	20
JUN 11...	0910	81213	178	207	6.9	24.6	32.0	4.2	50	20
17...	0910	81213	167	228	7.3	25.1	32.0	3.8	46	<20
18...	0930	81341	122	231	7.6	25.8	32.5	4.3	52	<20
AUG 27...	0950	81341	1250	208	6.7	25.3	29.0	4.8	59	<20
SEP 13...	0950	81213	2170	70	6.4	23.4	26.0	5.5	65	<20
17...	1000	81213	502	121	6.4	24.5	23.5	4.5	55	<20
24...	0830	81341	1480	75	6.5	25.5	24.5	4.9	60	170

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	1410	81213	242	230	7.6	21.9	23.0	4.1	47
APR 15...	1330	81213	3620	67	7.0	18.0	30.0	7.0	74

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 16...	81213	32	4.0	<1.0	<2.0	<.5	<1.0	1.5
APR 15...	81213	6.0	1.9	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 16...	81213	<1.0	<2.0	<.1	<1.0	<2.0	2.9
APR 15...	81213	1.4	<2.0	<.1	<1.0	<2.0	8.6

OCHLOCKONEE RIVER BASIN

02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA.

LOCATION.--Lat 30°43'53", long 84°14'12", Grady County, Hydrologic Unit 03120003, at county highway bridge, 1.5 mi downstream from Tired Creek, and 6.5 mi east of Calvary.

DRAINAGE AREA.--930 mi², approximately.

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

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 29...	0825	81341	2830	71	69	6.4	6.5	16.0	12.5	6.9	70
NOV 19...	0820	81341	5100	56	55	6.1	6.0	12.0	9.0	7.8	72
DEC 10...	0800	81341	2040	79	75	6.4	6.5	12.0	22.0	9.2	87
JAN 29...	1415	81341	3050	57	56	6.4	6.5	11.4	22.5	8.8	80
FEB 25...	0930	81341	4330	50	50	6.9	6.4	12.8	19.0	8.3	78
MAR 26...	0845	81341	3130	55	46	6.1	6.3	15.2	22.5	7.6	75
APR 15...	0745	81341	1980	56	56	6.5	6.3	17.4	20.5	6.7	70
MAY 26...	0705	81341	111	164	150	6.8	6.9	26.3	24.0	5.9	73
JUN 23...	0705	81341	46	315	315	7.0	7.1	29.0	27.0	3.8	49
JUL 21...	1105	81341	254	115	112	6.8	6.8	27.1	32.0	5.6	70
AUG 11...	1105	81341	185	149	142	7.2	7.0	27.1	33.5	7.0	87
SEP 15...	0740	81341	359	139	135	6.6	6.6	24.3	25.0	4.9	59

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 29...	81341	110	36	2.1	9	23	.430	<.030	.180	11
NOV 19...	81341	120	10	1.2	6	3	.110	<.030	.060	14
DEC 10...	81341	120	6.0	1.0	11	5	.220	<.030	.080	12
JAN 29...	81341	100	12	1.0	7	5	.280	.040	.060	10
FEB 25...	81341	120	19	1.4	7	7	.210	.050	.100	12
MAR 26...	81341	140	28	<1.0	8	8	.260	.050	.080	10
APR 15...	81341	180	22	1.7	9	9	.290	.050	.100	12
MAY 26...	81341	95	12	1.3	30	5	1.35	.090	.240	9.0
JUN 23...	81341	60	5.0	<1.0	49	3	.640	.140	.200	9.0
JUL 21...	81341	90	19	1.1	21	17	.770	.080	.260	11
AUG 11...	81341	65	12	2.2	24	9	.810	<.030	.250	11
SEP 15...	81341	110	8.0	1.3	12	5	.580	.100	.210	12

OCHLOCKONEE RIVER BASIN

02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 29...	0825	81341	2830	71	6.4	16.0	12.5	6.9	70	2000
NOV 04...	0745	81213	3420	71	6.3	16.0	5.5	6.6	67	1700
12...	0805	81213	1210	90	6.6	14.0	11.5	8.4	82	130
19...	0820	81341	5100	56	6.1	12.0	9.0	7.8	72	50
DEC 10...	0800	81341	2040	79	6.4	12.0	22.0	9.2	87	230
FEB 25...	0930	81341	4330	50	6.9	12.8	19.0	8.3	78	490
MAR 10...	0810	81213	20900	31	6.5	14.9	4.5	7.4	73	210
17...	1140	81213	2970	51	6.8	13.1	17.4	8.9	84	230
26...	0845	81341	3130	55	6.1	15.2	22.5	7.6	75	20
MAY 26...	0705	81341	111	164	6.8	26.3	24.0	5.9	73	20
JUN 09...	0645	81213	58	238	7.0	26.4	23.5	5.2	64	<20
15...	0645	81213	43	221	7.1	28.8	27.0	4.7	62	20
23...	0705	81341	46	315	7.0	29.0	27.0	3.8	49	50
JUL 21...	1105	81341	254	115	6.8	27.1	32.0	5.6	70	330
27...	1020	81213	149	159	6.9	28.1	32.0	5.2	66	<20
AUG 03...	1030	81213	360	124	6.9	26.7	29.5	5.7	71	20
11...	1105	81341	185	149	7.2	27.1	33.5	7.0	87	330

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	1135	81213	55	299	7.4	22.1	20.5	6.2	71
APR 15...	1715	81213	1990	56	6.8	18.2	27.0	6.6	71
MAY 01...	0845	81213	486	102	7.0	19.8	26.0	5.8	64

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 16...	81213	16	7.0	<1.0	<2.0	<.5	<1.0	<1.0
APR 15...	81213	3.4	1.7	<1.0	2.2	<.5	<1.0	<1.0
MAY 01...	81213	6.0	2.7	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 16...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.8
APR 15...	81213	1.5	<2.0	<.1	<1.0	<2.0	7.6
MAY 01...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.8

OCHLOCKONEE RIVER BASIN

02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA.

LOCATION.--Lat 30°44'08", long 84°29'49", Decatur County, Hydrologic Unit 03120003, on left bank 50 ft downstream from flood-damaged weir at Engelhard Corporation, 1.2 mi southwest of Attapulcus, and 3.6 mi above mouth.

DRAINAGE AREA.--16.9 mi².

PERIOD OF RECORD.--November 1991 to current year, discharge less than 125 ft³/s only.

REVISED RECORD.--WDR GA-94-1: 1992, 1993.

GAGE.--Water-stage recorder. Elevation of gage is 165 ft above sea level (from topographic map).

REMARKS.--Records good to fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.95 ft, Oct. 2, 1994; no flow part of each day, July 22 and 24, 1996 due to non-typical pumpage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.25 ft, Sept. 29; minimum daily, 4.6 ft³/s, July 3; and minimum, 4.3 ft³/s, July 3, 18, 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	---	56	24	22	45	25	14	8.7	4.8	21	7.9
2	12	---	43	23	51	39	28	13	7.5	4.8	20	25
3	10	94	39	23	98	36	41	13	7.0	4.6	17	---
4	9.4	64	33	22	67	31	26	14	7.2	5.1	16	68
5	8.5	47	30	23	48	33	21	15	6.9	5.2	13	24
6	7.9	39	27	26	37	40	21	14	6.9	4.9	12	15
7	7.8	50	29	---	32	---	19	14	6.7	5.7	11	13
8	8.5	36	27	---	30	---	27	13	6.2	5.6	11	12
9	8.0	29	27	48	29	---	28	12	6.2	6.2	12	11
10	7.5	23	26	37	27	---	21	12	6.6	7.0	11	9.9
11	6.7	19	24	32	35	79	17	11	6.1	6.2	11	10
12	6.4	---	30	31	33	61	16	10	5.9	6.0	10	10
13	6.7	---	27	35	29	52	15	10	5.8	---	9.9	9.8
14	6.3	---	46	34	26	47	15	9.9	5.9	---	13	9.6
15	6.3	---	36	52	26	43	16	9.7	5.7	46	14	9.4
16	6.1	75	29	53	41	40	15	9.7	5.1	28	23	9.5
17	6.4	56	26	37	92	40	16	9.8	5.4	32	17	10
18	6.4	47	38	34	49	52	18	9.6	5.2	27	13	14
19	6.3	42	33	30	39	94	30	9.4	5.0	23	12	16
20	5.8	38	29	28	34	63	33	9.2	5.2	21	12	26
21	5.5	41	27	29	29	47	21	9.2	5.1	20	11	40
22	5.4	39	39	31	53	41	18	9.1	5.1	20	11	38
23	5.0	31	41	58	59	36	16	9.2	6.3	20	19	19
24	5.8	28	78	38	38	34	15	9.0	7.4	23	12	13
25	8.1	27	54	32	31	32	14	8.9	23	33	10	12
26	---	26	39	29	29	30	14	8.7	35	21	9.7	12
27	---	26	37	30	---	29	14	8.0	9.3	27	9.0	11
28	---	26	32	28	57	28	13	6.3	6.2	66	8.9	12
29	39	---	30	25	---	26	14	6.6	5.5	67	8.7	---
30	28	---	27	24	---	25	15	8.5	5.1	30	8.6	---
31	43	---	25	23	---	25	---	9.0	---	22	8.1	---
TOTAL	---	---	1084	---	---	---	602	324.8	233.2	---	394.9	---
MEAN	---	---	35.0	---	---	---	20.1	10.5	7.77	---	12.7	---
MAX	---	---	78	---	---	---	41	15	35	---	23	---
MIN	---	---	24	---	---	---	13	6.3	5.0	---	8.1	---
CFSM	---	---	2.07	---	---	---	1.19	.62	.46	---	.75	---
IN.	---	---	2.39	---	---	---	1.33	.71	.51	---	.87	---

APALACHICOLA RIVER BASIN

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA.

LOCATION.--Lat 34°42'03", long 83°43'44", White County, Hydrologic Unit 03130001, on downstream side of bridge on Georgia Highways 17 and 75 at Helen, and 1.1 mi downstream from Smith Creek.

DRAINAGE AREA.--44.7 mi².

PERIOD OF RECORD.--May 1981 to current year. Miscellaneous low-flow measurements, water years 1953, 1955.

GAGE.--Water-stage recorder. Datum of gage is 1,404.04 ft above sea level.

REMARKS.--Records good. Some regulation at low-flow on Smith Creek by Unicoi Lake at Unicoi State Park.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 23, 1967, reached a discharge of 11,000 ft³/s from contracted-opening computation at highway bridge 2 mi downstream at a drainage area of 48.2 mi².

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 7	2000	*3,760	*5.88	Sept. 29	1400	1,350	3.58

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	104	85	92	178	223	257	414	186	78	53	38
2	51	121	77	90	179	216	225	321	141	74	51	37
3	50	96	87	91	441	209	279	297	134	72	49	38
4	49	86	100	92	739	202	305	275	215	75	48	37
5	47	80	86	104	446	198	257	257	176	82	47	36
6	47	84	81	157	343	189	236	243	145	76	46	52
7	46	84	78	1360	305	196	225	276	126	74	45	47
8	45	78	80	1030	280	628	218	288	120	76	48	39
9	45	75	91	499	261	745	289	253	129	75	81	36
10	45	72	107	347	247	414	235	266	132	70	62	35
11	44	69	96	276	249	368	219	244	123	69	52	35
12	44	72	89	247	234	330	208	228	115	69	49	34
13	45	87	86	230	219	308	204	218	111	66	48	33
14	46	90	83	214	225	295	220	211	108	65	61	33
15	45	80	79	276	217	279	217	205	106	63	84	33
16	43	75	77	265	359	270	229	198	109	62	90	33
17	44	72	76	233	471	262	481	191	100	62	64	31
18	43	70	72	215	380	302	314	184	96	59	55	31
19	47	69	69	209	315	299	354	180	122	57	54	32
20	42	67	59	186	287	328	327	176	102	55	56	32
21	42	87	60	176	268	303	306	172	96	71	49	78
22	42	105	102	217	261	277	315	168	93	74	47	42
23	40	86	92	257	298	259	297	164	90	61	45	37
24	82	80	197	229	260	252	274	160	87	59	44	36
25	88	76	166	217	240	238	258	156	85	61	43	35
26	598	75	133	206	229	229	244	152	84	56	42	34
27	259	73	159	255	264	224	235	148	82	70	40	33
28	130	71	129	229	235	220	224	144	80	63	40	34
29	101	73	115	206	---	212	217	139	77	56	40	348
30	88	94	111	195	---	209	425	142	79	55	39	101
31	81	---	104	187	---	215	---	138	---	55	39	---
TOTAL	2473	2451	3026	8587	8430	8899	8094	6608	3449	2060	1611	1500
MEAN	79.8	81.7	97.6	277	301	287	270	213	115	66.5	52.0	50.0
MAX	598	121	197	1360	739	745	481	414	215	82	90	348
MIN	40	67	59	90	178	189	204	138	77	55	39	31
CFSM	1.78	1.83	2.18	6.20	6.74	6.42	6.04	4.77	2.57	1.49	1.16	1.12
IN.	2.06	2.04	2.52	7.15	7.02	7.41	6.74	5.50	2.87	1.71	1.34	1.25

APALACHICOLA RIVER BASIN

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	88.0	107	147	175	203	220	199	152	115	92.8	86.6	73.9
MAX	200	340	311	318	408	418	382	305	255	268	242	137
(WY)	1990	1993	1983	1993	1990	1990	1983	1984	1989	1989	1994	1992
MIN	25.9	39.5	52.3	71.8	78.6	72.3	73.8	63.0	44.4	30.9	30.2	34.5
(WY)	1988	1988	1988	1985	1986	1988	1986	1986	1986	1986	1986	1986

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1981 - 1998	
ANNUAL TOTAL	51137		57188			
ANNUAL MEAN	140		157		138	
HIGHEST ANNUAL MEAN					186	
LOWEST ANNUAL MEAN					66.4	
HIGHEST DAILY MEAN	761		1360		2000	
LOWEST DAILY MEAN	40		31		20	
ANNUAL SEVEN-DAY MINIMUM	43		32		22	
INSTANTANEOUS PEAK FLOW			3760		3850	
INSTANTANEOUS PEAK STAGE			5.88		5.94	
INSTANTANEOUS LOW FLOW			31		19	
ANNUAL RUNOFF (CFSM)	3.13		3.51		3.09	
ANNUAL RUNOFF (INCHES)	42.56		47.59		42.01	
10 PERCENT EXCEEDS	237		297		256	
50 PERCENT EXCEEDS	128		101		106	
90 PERCENT EXCEEDS	48		43		44	

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.

LOCATION.--Lat 34°32'27", long 83°37'14", Habersham-White County line, Hydrologic Unit 03130001, on downstream side of bridge on Duncan Bridge Road (Georgia Highway 384), 1 mi downstream from Soque River, 6 mi northwest of Cornelia, and at mile 401.4.

DRAINAGE AREA.--315 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1957 to current year.

REVISED RECORDS.--WSP 2106: 1963(M).

GAGE.--Water-stage recorder. Datum of gage is 1,128.53 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to June 28, 1977 and after June 16, 1992 to October 25, 1994, at site 1,000 ft upstream at same datum.

REMARKS.--Records good. Some regulation at low flow from Habersham Mill powerplant.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,200 ft³/s and maximum (*)

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1215	*14,400	*12.08	Mar. 8	1045	9,450	8.80
Jan. 7	2315	14,300	12.03	Apr. 17	0600	12,400	10.75
Feb. 4	1030	12,100	10.53				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	362	663	578	591	944	1240	1210	2520	1040	555	350	284
2	336	1050	478	570	932	1190	1110	1750	886	523	327	280
3	328	719	479	565	4600	1150	1500	1540	824	505	320	273
4	321	594	741	557	8710	1120	1640	1440	920	506	309	287
5	313	533	570	581	3190	1100	1300	1330	1280	616	301	259
6	307	521	505	751	2040	1100	1190	1270	982	541	292	275
7	303	549	477	7200	1710	1190	1140	1450	862	505	285	388
8	296	501	471	7370	1540	5300	1120	1740	807	495	361	280
9	296	471	569	2390	1410	5140	2330	1380	848	506	364	253
10	292	452	621	1690	1320	2290	1360	1490	940	467	598	245
11	293	438	598	1390	1320	1840	1210	1410	918	449	362	243
12	290	435	534	1240	1270	1620	1140	1270	817	457	332	239
13	290	548	503	1140	1200	1500	1110	1200	770	445	315	233
14	291	578	487	1060	1170	1440	1210	1170	739	435	336	228
15	295	509	467	1580	1130	1380	1150	1130	740	435	466	223
16	287	467	454	1580	2140	1320	1140	1110	701	415	717	225
17	290	444	443	1250	2880	1280	5970	1090	707	417	458	221
18	288	432	433	1110	2130	1360	2020	1090	670	400	385	217
19	316	424	422	1130	1630	1480	1940	1040	751	389	359	220
20	295	412	408	1030	1450	1540	1740	1010	764	375	752	220
21	281	482	407	965	1340	1430	1490	995	698	376	445	375
22	281	922	714	1090	1290	1320	1760	975	697	420	370	383
23	270	638	598	1560	1580	1250	1600	958	659	409	341	269
24	368	537	1490	1240	1360	1230	1460	942	633	430	323	251
25	532	491	1530	1100	1260	1180	1350	933	681	389	308	246
26	7940	468	947	1030	1210	1150	1280	910	615	371	299	242
27	3770	454	991	1500	1570	1140	1230	891	623	410	284	237
28	1250	440	854	1310	1340	1130	1180	876	579	451	278	236
29	940	444	743	1120	---	1110	1150	854	592	381	275	762
30	750	496	694	1040	---	1090	2260	908	571	360	292	767
31	630	---	652	987	---	1080	---	888	---	359	339	---
TOTAL	23101	16112	19858	47717	53666	48690	47290	37560	23314	13792	11543	8861
MEAN	745	537	641	1539	1917	1571	1576	1212	777	445	372	295
MAX	7940	1050	1530	7370	8710	5300	5970	2520	1280	616	752	767
MIN	270	412	407	557	932	1080	1110	854	571	359	275	217
CFSM	2.37	1.70	2.03	4.89	6.08	4.99	5.00	3.85	2.47	1.41	1.18	.94
IN.	2.73	1.90	2.35	5.64	6.34	5.75	5.58	4.44	2.75	1.63	1.36	1.05

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	556	621	805	997	1120	1275	1172	956	755	619	612	498
MAX	1287	1602	1909	1938	1917	2376	2385	2043	1487	1165	1926	1058
(WY)	1990	1993	1962	1993	1998	1980	1964	1973	1973	1989	1967	1967
MIN	204	257	310	293	426	449	368	324	227	166	179	273
(WY)	1988	1982	1966	1981	1986	1988	1986	1986	1986	1986	1986	1986
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1957 - 1998	
ANNUAL TOTAL	287061					351504						
ANNUAL MEAN	786					963					831	
HIGHEST ANNUAL MEAN											1198	
LOWEST ANNUAL MEAN											370	
HIGHEST DAILY MEAN	7940					Oct 26					15800	
LOWEST DAILY MEAN	250					Sep 21					91	
ANNUAL SEVEN-DAY MINIMUM	260					Sep 17					124	
INSTANTANEOUS PEAK FLOW						14400					a26400	
INSTANTANEOUS PEAK STAGE						12.08					20.55	
ANNUAL RUNOFF (CFSM)	2.50					3.06					2.64	
ANNUAL RUNOFF (INCHES)	33.90					41.51					35.85	
10 PERCENT EXCEEDS	1190					1560					1370	
50 PERCENT EXCEEDS	691					714					670	
90 PERCENT EXCEEDS	302					290					325	

a From rating curve extended above 17,000 ft³/s on basis of contracted-opening measurement of peak flow.

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT						
27...	1734	82213	2100	12.0	109	618
27...	1739	82213	2100	12.0	106	601
DEC						
15...	1241	82213	465	8.0	1	1.3
15...	1246	82213	465	8.0	1	1.3
JAN						
07...	1102	82213	5900	13.5	1080	17200
07...	1107	82213	5900	13.5	820	13100
07...	1214	82213	7580	13.5	960	19600
07...	1219	82213	7580	13.5	972	19900
07...	1713	82213	11200	14.0	1150	34800
07...	1718	82213	11200	14.0	1150	34800
07...	2015	82213	13300	13.5	1040	37200
07...	2020	82213	13300	13.5	987	35400
08...	0824	82213	8340	14.0	587	13200
08...	0829	82213	8340	14.0	553	12500
08...	1242	82213	5790	14.0	408	6380
08...	1247	82213	5790	14.0	372	5820
29...	1310	82213	1110	--	E29	--
29...	1315	82213	1110	--	E27	--
MAR						
12...	1307	82213	1610	--	E50	--
12...	1312	82213	1610	--	E36	--

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM (70335)
JAN								
07...	1214	82213	7580	46	54	76	95	100
07...	2015	82213	13300	32	--	--	--	--

APALACHICOLA RIVER BASIN

02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 34°24'55", long 83°49'18", Hall County, Hydrologic Unit 03130001, on the downstream center culvert support on Jess Helton Road, 1.0 mi downstream from Bear Creek, 2 mi above mouth, and 5.3 mi southwest from Clermont.
DRAINAGE AREA.--18.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1993 to current year.

REVISED RECORDS.--WDR GA-95-1: 1993-94 (M).

GAGE.--Water-stage recorder. Elevation of gage is 1080 ft above sea level (from topographic map).

REMARKS.--Records fair for daily mean discharges greater than or equal to 20 ft³/s and poor for those less than 20 ft³/s, and those for the period of estimated daily discharge.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1000	*3,030	*13.90	Feb. 4	0730	1,850	12.28
Jan. 7	1945	1,150	10.74	Mar. 8	0645	2,280	12.96
Feb. 3	1630	1,520	11.66	Apr. 17	0530	1,480	11.57

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	27	23	21	27	56	e65	92	32	22	20	13
2	14	27	20	21	28	52	e48	59	31	21	18	13
3	13	24	22	20	594	51	e59	58	30	20	18	14
4	13	22	27	20	814	50	e80	66	30	20	18	14
5	12	21	22	20	95	51	e54	52	44	20	17	12
6	12	22	21	21	66	50	e49	50	32	19	17	12
7	12	22	20	475	59	62	e47	101	30	19	16	12
8	12	21	21	145	56	747	e51	83	29	19	17	12
9	12	20	23	45	53	246	145	53	30	19	18	11
10	12	20	24	32	51	81	58	108	31	18	18	10
11	12	20	22	28	53	70	53	68	30	18	17	11
12	12	20	21	25	51	66	51	51	28	18	17	10
13	12	23	20	25	49	64	50	49	27	18	18	10
14	12	22	20	23	48	64	60	48	27	18	22	9.7
15	12	20	19	38	47	63	53	46	27	18	21	9.7
16	12	20	19	38	93	62	51	45	27	17	28	9.5
17	12	19	19	30	128	61	465	44	26	17	22	9.4
18	12	19	19	27	73	61	74	43	25	17	20	9.3
19	13	19	18	29	61	63	84	42	28	17	18	9.5
20	12	19	18	26	57	e80	66	40	27	16	75	9.5
21	12	29	18	24	54	e63	58	40	25	17	23	14
22	12	44	26	29	54	e57	68	39	25	18	19	12
23	12	27	21	31	68	e54	68	38	24	19	17	10
24	17	23	101	27	56	e52	60	37	23	18	16	9.7
25	27	22	47	25	53	e50	55	36	26	18	16	9.8
26	1020	21	29	24	52	e48	52	35	23	17	15	9.4
27	100	20	34	68	81	e47	51	34	22	24	15	9.0
28	41	20	27	42	60	e46	49	33	22	20	15	9.2
29	31	20	25	34	---	e45	48	33	21	17	14	10
30	27	22	23	31	---	e44	158	35	22	18	14	12
31	25	---	22	29	---	e46	---	33	---	20	14	---
TOTAL	1571	675	791	1473	2981	2652	2330	1591	824	577	613	325.7
MEAN	50.7	22.5	25.5	47.5	106	85.5	77.7	51.3	27.5	18.6	19.8	10.9
MAX	1020	44	101	475	814	747	465	108	44	24	75	14
MIN	12	19	18	20	27	44	47	33	21	16	14	9.0
CFSM	2.77	1.23	1.39	2.60	5.82	4.67	4.24	2.80	1.50	1.02	1.08	.59
IN.	3.19	1.37	1.61	2.99	6.06	5.39	4.74	3.23	1.68	1.17	1.25	.66

e Estimated.

APALACHICOLA RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	30.7	29.1	27.6	51.7	60.9	66.8	45.2	32.1	30.7	20.0	22.5	14.0
MAX	55.5	65.3	35.6	107	106	110	77.7	51.3	39.2	23.7	46.5	18.4
(WY)	1996	1996	1996	1996	1998	1996	1998	1998	1994	1997	1994	1994
MIN	11.5	17.2	18.6	27.4	32.0	33.9	30.5	21.4	23.5	15.6	13.4	10.9
(WY)	1994	1997	1994	1997	1997	1997	1995	1994	1993	1993	1993	1998
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1993 - 1998	
ANNUAL TOTAL	10186.3					16403.7						
ANNUAL MEAN	27.9					44.9					36.2	
HIGHEST ANNUAL MEAN											49.4	
LOWEST ANNUAL MEAN											24.7	
HIGHEST DAILY MEAN	1020					1020					1310	
LOWEST DAILY MEAN	9.6					9.0					8.4	
ANNUAL SEVEN-DAY MINIMUM	10					9.5					8.8	
INSTANTANEOUS PEAK FLOW						3030					a3500	
INSTANTANEOUS PEAK STAGE						13.90					b14.40	
INSTANTANEOUS LOW FLOW						8.7					7.8	
ANNUAL RUNOFF (CFSM)	1.53					2.46					1.98	
ANNUAL RUNOFF (INCHES)	20.71					33.35					26.89	
10 PERCENT EXCEEDS	38					66					54	
50 PERCENT EXCEEDS	22					25					23	
90 PERCENT EXCEEDS	12					12					13	

a From rating curve extended above 750 ft³/s on basis of peak flow through culvert measurement

b From floodmarks

c Also occurred on Sept. 27 and 28, 1998.

APALACHICOLA RIVER BASIN

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1993 to current year.

REMARKS.--For further information regarding sampling methodologies and sampler types used to collect data according to the protocols of the USGS NAWQA program, please contact the Georgia District Office, U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	0900	80020	11	56.0	6.90	9.10	13.0	10.4	92.0
NOV 20...	0930	80020	19	57.0	6.60	4.93	9.50	11.7	94.0
DEC 18...	1000	80020	19	56.0	6.80	4.40	15.0	11.8	94.0
FEB 04...	1345	80020	723	37.0	6.30	7.20	12.5	10.5	90.0
04...	1350	80020	723	37.0	6.30	7.20	12.5	10.5	90.0
MAY 06...	0930	80020	50	50.0	6.60	13.7	21.0	9.50	95.0
JUN 22...	1245	80020	26	54.0	6.54	22.5	33.0	7.34	87.2
JUL 20...	1030	80020	17	57.4	6.79	22.5	31.5	7.70	92.4
AUG 28...	1400	80020	10	58.0	6.40	24.2	32.5	8.20	100

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 23...	0900	80020	10	3060	<.01	1.7	<.01	--	--	<.2	<.2
NOV 20...	0930	80020	10	3060	<.01	1.9	<.02	--	--	.1	<.1
DEC 18...	1000	80020	10	3045	<.01	2.1	<.02	--	--	<.1	.1
FEB 04...	1345	80020	10	3002	<.01	.84	.35	1.5	.32	1.8	.7
04...	1350	80020	50	4080	<.01	.81	.28	1.4	.36	1.6	.6
MAY 06...	0930	80020	10	3045	<.01	1.7	.04	.10	--	.1	<.1
JUN 22...	1245	80020	10	3045	.02	1.7	.03	.15	--	.2	<.1
JUL 20...	1030	80020	10	3060	<.01	1.6	.02	.12	--	.1	<.1
AUG 28...	1400	80020	10	3060	<.01	1.8	.02	--	--	<.1	<.1

APALACHICOLA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)
OCT 23...	0900	80020	10	3060	11	--	.02	<.01	<.01	1.2	.3
NOV 20...	0930	80020	10	3060	19	--	.01	<.01	.01	.9	.2
DEC 18...	1000	80020	10	3045	19	1.2	.02	<.01	.01	.9	<.2
FEB 04...	1345	80020	10	3002	723	230	.78	.22	.27	10	6.5
04...	1350	80020	50	4080	723	230	.69	.21	.25	4.4	6.3
MAY 06...	0930	80020	10	3045	50	--	.04	<.01	.01	1.0	.6
JUN 22...	1245	80020	10	3045	26	--	.04	<.01	.02	1.2	.3
JUL 20...	1030	80020	10	3060	17	--	.03	.02	.03	1.4	.4
AUG 28...	1400	80020	10	3060	10	--	.03	.04	.05	1.4	.5

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 23...	0901	1028	82213	10	3060	11	5	.15	--
NOV 20...	0931	1028	82213	10	3060	19	4	.21	--
DEC 18...	1001	1028	82213	10	3045	19	6	.31	--
FEB 04...	1346	1028	82213	10	3002	723	988	1930	38
MAY 06...	0931	1028	82213	10	3045	50	31	4.2	63
JUN 22...	1246	1028	82213	10	3045	26	12	.84	94.6
JUL 20...	1031	1028	82213	10	3060	17	9.0	.41	96.4
AUG 28...	1401	1028	82213	10	3060	10	11	.30	89.5

APALACHICOLA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 23...	0900	80020	11	56.0	6.90	9.10	13.0	10.4	92.0
NOV 20...	0930	80020	19	57.0	6.60	4.93	9.50	11.7	94.0
DEC 18...	1000	80020	19	56.0	6.80	4.40	15.0	11.8	94.0
FEB 04...	1345	80020	723	37.0	6.30	7.20	12.5	10.5	90.0
FEB 04...	1350	80020	723	37.0	6.30	7.20	12.5	10.5	90.0
MAY 06...	0930	80020	50	50.0	6.60	13.7	21.0	9.50	95.0
JUN 22...	1245	80020	26	54.0	6.54	22.5	33.0	7.34	87.2
JUL 20...	1030	80020	17	57.4	6.79	22.5	31.5	7.70	92.4
AUG 28...	1400	80020	10	58.0	6.40	24.2	32.5	8.20	100

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 23...	0900	80020	10	3060	<.01	1.7	<.01	--	--	<.2	<.2
NOV 20...	0930	80020	10	3060	<.01	1.9	<.02	--	--	.1	<.1
DEC 18...	1000	80020	10	3045	<.01	2.1	<.02	--	--	<.1	.1
FEB 04...	1345	80020	10	3002	<.01	.84	.35	1.5	.32	1.8	.7
FEB 04...	1350	80020	50	4080	<.01	.81	.28	1.4	.36	1.6	.6
MAY 06...	0930	80020	10	3045	<.01	1.7	.04	.10	--	.1	<.1
JUN 22...	1245	80020	10	3045	.02	1.7	.03	.15	--	.2	<.1
JUL 20...	1030	80020	10	3060	<.01	1.6	.02	.12	--	.1	<.1
AUG 28...	1400	80020	10	3060	<.01	1.8	.02	--	--	<.1	<.1

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)
OCT 23...	0900	80020	10	3060	11	--	.02	<.01	<.01	1.2	.3
NOV 20...	0930	80020	10	3060	19	--	.01	<.01	.01	.9	.2
DEC 18...	1000	80020	10	3045	19	1.2	.02	<.01	.01	.9	<.2
FEB 04...	1345	80020	10	3002	723	230	.78	.22	.27	10	6.5
FEB 04...	1350	80020	50	4080	723	230	.69	.21	.25	4.4	6.3
MAY 06...	0930	80020	10	3045	50	--	.04	<.01	.01	1.0	.6
JUN 22...	1245	80020	10	3045	26	--	.04	<.01	.02	1.2	.3
JUL 20...	1030	80020	10	3060	17	--	.03	.02	.03	1.4	.4
AUG 28...	1400	80020	10	3060	10	--	.03	.04	.05	1.4	.5

APALACHICOLA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 23...	0901	1028	82213	10	3060	11	5	.15	--
NOV 20...	0931	1028	82213	10	3060	19	4	.21	--
DEC 18...	1001	1028	82213	10	3045	19	6	.31	--
FEB 04...	1346	1028	82213	10	3002	723	988	1930	38
MAY 06...	0931	1028	82213	10	3045	50	31	4.2	63
JUN 22...	1246	1028	82213	10	3045	26	12	.84	94.6
JUL 20...	1031	1028	82213	10	3060	17	9.0	.41	96.4
AUG 28...	1401	1028	82213	10	3060	10	11	.30	89.5

APALACHICOLA RIVER BASIN

02333105 DICKS CREEK NEAR NEELS GAP, GA.

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

DRAINAGE AREA.--9.01 mi², revised.

PERIOD OF RECORD.--July 1991 to current year.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Field determinations of Discharges are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	0940	81341	15	13	16	6.5	6.6	8.9	9.5	10.7	97
NOV 13...	0720	81341	16	14	14	6.3	6.5	9.0	7.9	10.2	94
DEC 05...	0800	81341	7.9	14	14	6.7	6.5	7.0	2.0	10.8	96
FEB 20...	0700	81341	52	13	12	6.6	6.6	9.0	5.0	10.7	99
MAR 10...	0645	81341	101	12	12	6.6	6.2	7.0	.0	11.3	99
APR 30...	0600	81341	98	13	12	6.7	6.6	13.0	14.0	9.8	99
MAY 28...	1050	81341	22	12	13	6.7	6.4	16.5	--	9.2	100
JUN 25...	0500	81341	12	16	16	6.5	6.5	19.0	19.0	9.2	105
JUL 16...	0500	81341	7.2	16	21	6.6	6.4	19.0	19.0	8.6	99
AUG 05...	0500	81341	6.5	16	16	6.6	6.6	17.5	15.5	8.9	99
SEP 17...	0500	81341	7.2	18	18	6.3	6.5	18.5	18.5	8.7	99

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81341	<1.0	<1.0	8	<1	<.020	<.030	<.020	<1.0
NOV 13...	81341	<1.0	<1.0	5	<1	<.020	<.030	<.020	1.0
DEC 05...	81341	<1.0	<1.0	6	<1	<.020	<.030	<.020	<1.0
FEB 20...	81341	1.0	<1.0	4	2	<.020	<.030	<.020	<1.0
MAR 10...	81341	1.0	<1.0	4	6	.040	.030	<.020	<1.0
APR 30...	81341	9.0	<1.0	5	32	.030	<.030	<.020	2.0
MAY 28...	81341	2.0	<1.0	6	6	.030	<.030	<.020	1.0
JUN 25...	81341	1.0	<1.0	6	5	.040	<.030	<.020	1.0
JUL 16...	81341	1.0	<1.0	5	<1	.040	<.030	<.020	1.0
AUG 05...	81341	1.0	<1.0	9	<1	.060	<.030	<.020	<1.0
SEP 17...	81341	1.0	<1.0	6	4	.060	<.030	<.020	1.0

APALACHICOLA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	0940	81341	15	13	6.5	8.9	9.5	10.7	97	<20
NOV 06...	0900	81213	17	14	6.7	8.3	7.4	10.7	96	20
13...	0720	81341	16	14	6.3	9.0	7.9	10.2	94	20
24...	0750	81213	17	12	6.8	6.5	.5	11.4	98	<20
DEC 05...	0800	81341	7.9	14	6.7	7.0	2.0	10.8	96	<20
FEB 12...	1115	81213	48	11	6.8	8.1	8.3	13.4	121	20
18...	0930	81213	17	12	6.8	8.0	8.0	11.2	100	<20
20...	0700	81341	52	13	6.6	9.0	5.0	10.7	99	20
MAR 10...	0645	81341	101	12	6.6	7.0	.0	11.3	99	<20
APR 30...	0600	81341	98	13	6.7	13.0	14.0	9.8	99	330
MAY 12...	1250	81213	43	15	6.8	14.2	25.0	9.6	100	<20
21...	0900	81213	30	16	6.7	16.0	24.0	--	--	80
28...	1050	81341	22	12	6.7	16.5	--	9.2	100	20
JUL 09...	0600	81213	9.5	16	6.6	20.0	20.0	8.4	98	<20
16...	0500	81341	7.2	16	6.6	19.0	19.0	8.6	99	80
27...	0500	81213	6.0	16	6.5	20.0	20.0	8.5	99	20
AUG 05...	0500	81341	6.5	16	6.6	17.5	15.5	8.9	99	110

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 18...	1045	81213	7.8	18	6.5	19.6	32.0	8.7	100

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG 18...	81213	.8	.7	<1.0	<2.0	<.5	1.2	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 18...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.3

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.

LOCATION.--Lat 34°31'41", long 83°56'23", Lumpkin County, Hydrologic Unit 03130001, on left bank 250 ft upstream from Bearden Bridge on State Highway 52, 2 mi downstream from Ballplay Creek, 2.5 mi east of Dahlonega, and 3.5 mi upstream from Yahoola Creek.
DRAINAGE AREA.--153 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1929 to January 1932, April 1940 to current year. Monthly discharge only for July 1929, published in WSP 1304.

REVISED RECORDS.--WRD GA-95-1:1994.

GAGE.--Water-stage recorder. Datum of gage is 1,128.6 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good. Periods of monthly discharges only are not included in statistics computations.

PEAKS DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1130	8,440	13.62	Mar. 8	1000	4,950	9.56
Jan. 7	2330	8,000	13.15	Mar. 9	0045	4,330	8.74
Feb. 4	1015	6,080	10.96	Apr. 17	0500	*10,600	*15.80

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	304	254	274	506	635	717	1440	363	233	151	109
2	175	630	213	264	494	607	632	955	347	217	137	134
3	169	354	218	260	2410	582	961	868	336	208	133	115
4	164	286	324	256	4420	559	986	841	360	204	127	114
5	161	252	253	259	1640	562	768	705	472	205	123	107
6	155	257	227	301	1140	552	683	655	395	194	118	110
7	152	272	216	2900	968	598	640	805	348	189	113	115
8	149	240	211	3190	869	2920	617	810	330	187	111	105
9	147	224	260	1250	789	2790	1240	671	339	189	135	99
10	147	212	281	905	732	1280	750	715	400	178	202	94
11	149	204	267	745	728	1010	664	657	375	172	139	92
12	144	202	244	654	689	896	621	591	334	176	128	91
13	142	243	232	610	648	824	596	562	320	175	125	89
14	147	255	223	543	621	777	693	542	308	166	155	86
15	150	231	212	830	596	735	642	519	308	164	245	82
16	147	213	204	888	940	702	627	505	298	155	353	79
17	148	202	200	715	1370	679	4360	491	292	158	205	77
18	143	196	196	627	1150	728	1230	481	280	149	163	76
19	148	192	191	633	882	793	1140	465	322	145	144	75
20	141	187	188	565	778	882	987	449	322	143	329	75
21	137	231	188	523	711	766	835	440	285	139	187	149
22	143	485	316	602	685	695	971	430	283	155	151	149
23	135	294	247	807	842	658	880	422	270	166	138	118
24	217	248	813	672	708	656	771	414	263	170	135	106
25	408	228	741	596	657	621	693	410	294	157	125	98
26	5150	219	424	548	628	605	647	399	259	146	124	93
27	2020	210	486	891	781	594	620	389	248	180	115	88
28	557	202	394	757	674	579	586	379	235	228	111	85
29	361	202	351	639	---	561	563	368	228	162	109	86
30	286	235	322	586	---	546	1380	384	242	153	108	170
31	250	---	299	538	---	557	---	381	---	154	126	---
TOTAL	12732	7710	9195	23828	28056	25949	27500	18143	9456	5417	4765	3066
MEAN	411	257	297	769	1002	837	917	585	315	175	154	102
MAX	5150	630	813	3190	4420	2920	4360	1440	472	233	353	170
MIN	135	187	188	256	494	546	563	368	228	139	108	75
CFSM	2.68	1.68	1.94	5.02	6.55	5.47	5.99	3.83	2.06	1.14	1.00	.67
IN.	3.10	1.87	2.24	5.79	6.82	6.31	6.69	4.41	2.30	1.32	1.16	.75

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	213	263	371	479	543	615	537	409	303	264	259	207
MAX	594	855	996	1334	1183	1255	1200	1004	781	589	1097	651
(WY)	1990	1930	1962	1946	1946	1980	1979	1973	1973	1967	1967	1929
MIN	66.3	105	127	119	177	197	158	132	94.0	63.4	63.5	77.7
(WY)	1942	1942	1956	1981	1941	1988	1986	1941	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1929 - 1998	
ANNUAL TOTAL	133402		175817			
ANNUAL MEAN	365		482		370	
HIGHEST ANNUAL MEAN					565	
LOWEST ANNUAL MEAN					152	
HIGHEST DAILY MEAN	5150		5150		11400	
LOWEST DAILY MEAN	115		75		44	
ANNUAL SEVEN-DAY MINIMUM	123		79		47	
INSTANTANEOUS PEAK FLOW			10600		22700	
INSTANTANEOUS PEAK STAGE			15.80		25.17	
INSTANTANEOUS LOW FLOW			74		a44	
ANNUAL RUNOFF (CFSM)	2.39		3.15		2.42	
ANNUAL RUNOFF (INCHES)	32.43		42.75		32.89	
10 PERCENT EXCEEDS	586		868		652	
50 PERCENT EXCEEDS	287		301		280	
90 PERCENT EXCEEDS	145		125		125	

a Observed.

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
DEC						
16...	1041	82213	204	--	1	.55
16...	1046	82213	204	--	1	.55
JAN						
07...	1102	82213	1700	--	672	3080
07...	1107	82213	1700	--	604	2770
07...	1410	82213	3250	23.5	980	8600
07...	1415	82213	3250	23.5	1010	8900
07...	1710	82213	3980	--	1090	11700
07...	1715	82213	3980	--	953	10200
07...	2012	82213	6540	--	1320	23300
07...	2017	82213	6540	--	1190	21000
08...	0746	82213	3530	--	361	3440
08...	0751	82213	3530	--	435	4150
08...	1312	82213	2320	--	316	1980
08...	1317	82213	2320	--	308	1930
22...	1634	82213	578	--	27	42
22...	1639	82213	578	--	22	34
MAR						
03...	1100	82213	587	--	17	27
03...	1105	82213	587	--	16	25
APR						
14...	1024	82213	677	11.0	24	44
14...	1029	82213	677	11.0	25	46
JUN						
02...	1340	82213	356	21.0	8	7.7
02...	1345	82213	356	21.0	7	6.7
JUL						
07...	1335	82213	195	24.0	4	2.1
07...	1340	82213	195	24.0	5	2.6
AUG						
18...	1334	82213	163	24.0	14	6.2
18...	1339	82213	163	24.0	12	5.3

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CHARGE, INST. CUBIC FEET PER SECOND (00061)	DIS- SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED.SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM (70335)
JAN								
07...	1410	82213	3250	55	64	83	98	100
07...	2012	82213	6540	49	--	--	--	--

APALACHICOLA RIVER BASIN

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA.

LOCATION.--Lat 34°09'25", long 84°04'44", Gwinnett-Forsyth County line, Hydrologic Unit 03130001, on right bank 1,200 ft downstream from Buford Dam, 2.4 mi upstream from bridge on State Highway 20, 4 mi northwest of Buford, and at mile 348.1.

DRAINAGE AREA.--1,040 mi², approximately.

PERIOD OF RECORD.--July to December 1901 (figures of daily discharge for the months of August and December, published in WSP 197, are unreliable and should not be used), October 1941 to current year. Prior to October 1971, published as 02334500, Chattahoochee River "near Buford". Monthly discharge only for July to December 1901, October 1941 to January 1942, published in WSP 1304.

REVISED RECORDS.--WDR GA-79-1: 1972-78 (maximum gage heights only). WDR GA-90-1: 1986-89 (maximum gage heights only). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 912.04 ft above sea level (levels by U.S. Army Corps of Engineers). June 24 to Dec. 21, 1901, Jan. 27, 1942, to Dec. 3, 1944, nonrecording gage, and Dec. 4, 1944, to Dec. 31, 1947, water-stage recorder at site 2.5 mi downstream, and Jan. 1, 1948, to Sept. 30, 1971, water-stage recorder at site 2.4 mi downstream, all at different datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier beginning January 1956 (See "Lakes and Reservoirs in Apalachicola River basin", station 02334400). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--57 years, 2,098 ft³/s, 27.40 in/yr, adjusted for storage since 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1921, that of Jan. 8, 1946.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1500	561	1320	1470	528	1520	1990	5920	3730	2790	1690	1690
2	1460	567	934	1470	3630	6920	2000	1520	4360	2800	1680	1690
3	1710	1710	939	537	1410	7170	1710	4250	3910	2780	1680	1710
4	556	1500	1120	539	1300	7220	1440	7080	3930	1300	1680	1880
5	936	1310	917	2010	4140	3050	1610	7050	3190	1300	2060	560
6	1820	1300	554	1630	6130	3100	3430	6460	1270	3560	1870	1080
7	2080	1310	1120	1300	6090	538	3480	5540	1280	3930	1870	1990
8	2910	558	921	2690	6120	664	845	5660	1640	2980	1690	3230
9	2120	927	1090	4280	6970	2200	1970	2820	1860	3950	1690	1690
10	1810	1600	900	2730	7700	3880	3480	3850	2240	3380	1670	2460
11	559	1300	910	2360	4510	6070	4150	6090	2400	1670	1680	1710
12	1140	1270	912	3290	4860	7100	4140	6420	2390	1680	1690	1130
13	1830	1320	550	3090	7430	7100	3620	7150	1110	3960	1690	1320
14	1730	1310	906	3470	5550	7090	3450	3970	1270	3430	1690	2020
15	2100	557	2170	2010	6520	4010	3470	3870	2170	3370	1680	1700
16	1320	563	1950	2740	1870	7100	1980	553	2050	3960	1680	1650
17	1330	930	1660	536	4850	7130	3450	1640	2020	3980	1680	1810
18	564	2790	2050	2010	7090	1160	896	1640	2020	1660	1680	1660
19	946	5230	1630	3110	7160	1970	904	3510	2040	1670	1710	1710
20	3350	553	539	3640	7130	6290	4700	3140	924	3590	1710	1520
21	3140	1300	899	3490	7140	6750	4950	2570	1280	3000	1680	1900
22	3510	557	1860	2000	3570	6780	7080	2400	2400	2720	1670	1680
23	3560	940	1630	2000	4860	7330	6940	560	3160	2840	1670	1720
24	3500	1300	1680	1820	7170	4860	3680	1120	3140	3220	1690	1730
25	586	917	1440	534	6680	4780	2950	2020	3160	1680	1680	1720
26	1120	1310	2010	4870	6070	4390	2530	2940	3700	1680	1700	1710
27	3320	937	1660	4980	5420	4570	5700	3510	928	2040	1970	1670
28	1310	937	1660	4710	7190	534	6050	3520	1280	1680	2080	1670
29	1500	560	1270	4710	---	887	4150	3520	2410	1670	1690	1940
30	1510	562	2220	4890	---	1980	3980	1310	2800	1860	1690	1710
31	1310	---	2200	734	---	2370	---	1660	---	1880	1680	---
TOTAL	56137	36486	41621	79650	149088	136513	100725	113263	70362	82010	53670	51660
MEAN	1811	1216	1343	2569	5325	4404	3358	3654	2335	2645	1731	1722
MAX	3560	5230	2220	4980	7700	7330	7080	7150	4360	3980	2080	3230
MIN	556	553	539	534	528	534	845	553	924	1300	1670	560
MEAN†	2279	1297	1704	3831	5633	4324	4850	3199	1614	851	1154	391
CFSM†	2.19	1.25	1.64	3.68	5.42	4.16	4.66	3.08	1.55	.82	1.11	.38
IN.†	2.53	1.39	1.89	4.25	5.64	4.80	5.21	3.55	1.73	.94	1.28	.42

APALACHICOLA RIVER BASIN

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1882	1746	1512	1843	2014	2231	2660	2280	1918	1944	2273	2105
MAX	3983	4093	4900	5833	6504	5077	6996	6799	4969	3119	3921	4266
(WY)	1992	1975	1993	1993	1996	1990	1964	1964	1973	1963	1971	1967
MIN	427	536	432	431	507	463	481	565	424	532	486	483
(WY)a	1958	1958	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1956 - 1998			
ANNUAL TOTAL	691615				970885							
ANNUAL MEAN	1895				2660							
HIGHEST ANNUAL MEAN	†1963				†2575				2033			
LOWEST ANNUAL MEAN									3089			
HIGHEST DAILY MEAN	5830				7700				855			
LOWEST DAILY MEAN	517				528				9710			
ANNUAL SEVEN-DAY MINIMUM	884				884				262			
INSTANTANEOUS PEAK FLOW					10500				309			
INSTANTANEOUS PEAK STAGE					5.43				12100			
ANNUAL RUNOFF (CFSM)	1.82				2.56				b15.70			
ANNUAL RUNOFF (INCHES)	24.74				†25.63				1.96			
10 PERCENT EXCEEDS	3400				6060				†2.48			
50 PERCENT EXCEEDS	1670				1900				26.56			
90 PERCENT EXCEEDS	572				911				4420			
									1370			
									538			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1086	1514	2085	3127	3220	3568	2797	2240	1799	1721	1459	1275
MAX	2057	4572	3975	7251	6105	7704	4011	3642	3398	3826	2878	3677
(WY)	1950	1949	1952	1946	1946	1952	1944	1946	1949	1949	1948	1949
MIN	449	719	1173	1311	1486	1840	1644	1608	1170	972	773	514
(WY)	1955	1955	1945	1951	1951	1955	1942	1947	1955	1954	1954	1954

SUMMARY STATISTICS WATER YEARS 1942 - 1955

ANNUAL MEAN	2173
HIGHEST ANNUAL MEAN	3432
LOWEST ANNUAL MEAN	1419
HIGHEST DAILY MEAN	45000
LOWEST DAILY MEAN	364
ANNUAL SEVEN-DAY MINIMUM	415
INSTANTANEOUS PEAK FLOW	c55000
INSTANTANEOUS PEAK STAGE	d32.60
ANNUAL RUNOFF (CFSM)	2.09
ANNUAL RUNOFF (INCHES)	28.39
10 PERCENT EXCEEDS	3710
50 PERCENT EXCEEDS	1650
90 PERCENT EXCEEDS	850

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the water year to non-typical storage.

b At site and datum then in use.

c From rating curve extended above 13,000 ft³/s on basis of peak flows passing upstream and downstream stations.

d From floodmarks, at site and datum then in use.

APALACHICOLA RIVER BASIN

02334885 SUWANEE CREEK NEAR SUWANEE, GA.

LOCATION.--Lat 34°01'56", long 84°05'22", Gwinnett County, Hydrologic Unit 03130001, on upstream side of right bank bridge pier on State Highway 13 (old U.S. Highway 23), 0.2 mi upstream from Bennett Creek, 0.6 mi downstream from Mill Creek, 2.4 mi southwest of Suwanee, and 3.1 mi upstream from mouth.

DRAINAGE AREA.--46.8 mi².

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 909.71 ft above sea level.

REMARKS.--Records fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	2400	1,570	9.04	Mar. 8	1945	*2,900	*10.73
Nov. 22	1315	678	6.93	Apr. 4	0030	1,490	8.89
Dec. 25	0315	939	7.75	Apr. 9	1415	2,170	9.89
Jan. 27	2030	622	6.69	May 8	0345	1,120	8.20
Feb. 4	1700	2,430	10.20	Aug. 20	1900	2,860	10.69

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	97	56	56	79	95	100	241	79	54	24	27
2	47	75	47	54	80	87	75	139	69	40	22	27
3	36	57	55	54	763	83	445	153	64	39	21	60
4	33	51	108	52	2270	78	534	238	72	39	20	34
5	31	48	61	53	621	83	139	128	133	36	19	29
6	30	57	52	63	159	106	111	108	77	33	18	26
7	29	56	48	252	129	253	91	120	65	33	23	25
8	28	48	47	344	114	1680	99	718	60	35	24	24
9	27	46	57	124	104	1210	1430	146	59	36	28	22
10	28	44	58	95	99	200	249	312	63	33	25	21
11	27	43	52	82	102	140	141	162	64	30	21	21
12	26	52	47	75	95	121	122	124	56	33	19	21
13	26	131	45	75	88	112	113	110	52	37	17	20
14	26	111	44	66	81	129	247	102	49	31	136	19
15	26	73	43	141	76	101	165	94	48	30	57	18
16	25	62	42	163	195	90	125	88	64	28	44	19
17	27	55	42	105	308	86	171	85	52	28	69	19
18	27	52	41	85	163	87	131	80	47	27	48	18
19	28	51	41	158	115	86	215	77	158	25	38	18
20	25	50	40	99	102	85	164	73	129	22	1280	19
21	24	91	40	81	94	80	130	71	66	21	544	25
22	27	405	94	104	109	76	189	70	59	32	73	26
23	25	102	60	144	154	74	145	68	54	57	58	22
24	42	72	360	94	105	77	145	66	51	36	51	18
25	124	62	429	78	92	73	115	65	47	34	47	16
26	632	56	112	73	86	72	102	62	43	33	45	16
27	666	51	122	374	189	71	97	69	41	33	42	15
28	125	47	90	166	109	70	92	70	39	36	39	15
29	93	50	79	108	---	68	91	114	38	30	36	70
30	80	66	71	95	---	67	214	349	51	26	32	52
31	69	---	61	85	---	67	---	115	---	25	29	---
TOTAL	2509	2261	2544	3598	6681	5707	6187	4417	1949	1032	2949	762
MEAN	80.9	75.4	82.1	116	239	184	206	142	65.0	33.3	95.1	25.4
MAX	666	405	429	374	2270	1680	1430	718	158	57	1280	70
MIN	24	43	40	52	76	67	75	62	38	21	17	15
CFSM	1.73	1.61	1.75	2.48	5.10	3.93	4.41	3.04	1.39	.71	2.03	.54
IN.	1.99	1.80	2.02	2.86	5.31	4.54	4.92	3.51	1.55	.82	2.34	.61

APALACHICOLA RIVER BASIN

02334885 SUWANEE CREEK NEAR SUWANEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	60.1	67.5	65.5	94.9	124	121	80.7	60.8	45.9	44.8	42.3	38.6
MAX	204	196	175	178	239	233	206	142	98.7	130	96.8	81.2
(WY)	1996	1993	1993	1996	1998	1990	1998	1998	1989	1989	1994	1989
MIN	5.35	14.6	23.8	37.1	38.3	34.7	35.2	20.4	6.20	4.20	4.23	6.19
(WY)	1988	1988	1988	1986	1986	1988	1986	1988	1988	1986	1986	1987
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1985 - 1998	
ANNUAL TOTAL	30338.0					40596						
ANNUAL MEAN	83.1					111					70.2	
HIGHEST ANNUAL MEAN											111	
LOWEST ANNUAL MEAN											30.0	
HIGHEST DAILY MEAN	1670					Feb 28					2790	
LOWEST DAILY MEAN	8.0					Sep 22					1.0	
ANNUAL SEVEN-DAY MINIMUM	9.1					Sep 17					1.3	
INSTANTANEOUS PEAK FLOW						2900					4350	
INSTANTANEOUS PEAK STAGE						10.73					12.04	
INSTANTANEOUS LOW FLOW						15					.80	
ANNUAL RUNOFF (CFSM)	1.78					2.38					1.50	
ANNUAL RUNOFF (INCHES)	24.11					32.27					20.39	
10 PERCENT EXCEEDS	129					164					122	
50 PERCENT EXCEEDS	53					66					43	
90 PERCENT EXCEEDS	24					25					16	

APALACHICOLA RIVER BASIN

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.

LOCATION.--Lat 33°59'50", long 84°12'07", Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on State Highway 141, 1.5 mi upstream from John Creek, 4.5 mi north of Norcross, 6.5 mi downstream from Suwanee Creek, 18 mi downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.--1,170 mi², approximately.

PERIOD OF RECORD.--October 1902 to September 1946, October 1956 to current year. Monthly discharge only for October to December 1902, published in WSP 1304. Gage-height records collected at same site 1910-33, and since 1945 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 878.14 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to July 13, 1955, nonrecording gage at site 500 ft downstream at same datum. July 14, 1955 to Mar. 11, 1957, nonrecording gage at present site and datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversion and return flow above station regulated by Gwinnett County. Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--86 years (1903-46, 1957-98), 2,297 ft³/s, 26.66 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, that of Jan. 8, 1946.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1500	865	879	2170	831	3510	2100	6210	3720	2900	1530	1730
2	1490	787	1390	1650	2770	5460	2390	3170	2780	3020	1730	1730
3	1820	857	1120	856	4620	7410	4220	3320	4610	2660	2140	1800
4	1050	1760	1270	782	6600	7390	2300	7660	4010	1990	1460	1670
5	901	2300	1590	1520	4500	5470	1980	7280	4270	1330	1700	1320
6	1520	1490	788	2130	6710	2280	2920	7250	2030	2800	2260	750
7	1940	1460	788	2470	6580	2750	3210	5330	1530	3720	1990	1590
8	2520	783	1550	1950	6540	5740	2720	8490	1590	3220	1500	2710
9	2370	752	1270	5260	6970	4510	5530	3400	1970	3850	1760	2380
10	2220	1140	1110	3370	8030	4200	3270	4760	2150	3390	2150	1700
11	1370	1710	1090	2810	5850	6270	5300	5950	2510	2250	1690	2540
12	943	1470	1080	2850	4930	7410	4380	6850	2510	1740	1730	1340
13	1460	1600	777	3740	6770	7260	4270	7140	1780	3070	1740	1230
14	1610	1610	757	3720	6140	7360	3640	4620	1420	3300	2270	1890
15	2500	1450	1810	2570	6700	4450	3760	4050	1820	3610	1490	1610
16	1790	811	2260	3670	4070	7110	3240	2370	2300	3990	1800	1690
17	1420	1090	1740	1830	4220	7320	3290	884	2170	3930	2150	2050
18	837	2420	2110	2240	7530	3680	2590	2070	2130	2030	1790	1560
19	829	4830	2110	2530	7650	1630	1580	3340	2580	1720	2150	1650
20	2020	1600	1090	3830	7280	5070	4020	3270	1760	2710	2810	1560
21	3210	940	1040	3970	7530	6920	4710	2980	1260	3650	2810	1710
22	3480	1960	1090	3530	5960	6920	7840	2550	2240	2900	1550	1750
23	3590	923	2300	1410	3350	7510	7430	1540	3050	2910	1780	1820
24	3910	1170	3100	2570	7490	5210	4040	982	2830	3090	2220	1660
25	2210	1730	2740	1520	6770	5190	4870	2060	3590	1770	1650	1730
26	3110	1440	2050	3520	7510	4600	1910	2120	3380	1760	1750	1850
27	3210	1130	1730	6380	5040	5110	5120	3620	1890	2410	1920	1580
28	2810	1080	1970	5420	7480	2220	7100	4040	1170	1920	1930	1800
29	1600	778	2510	4890	---	1150	4310	3240	2200	1610	1690	1910
30	1620	847	1920	5030	---	1360	4770	2920	2730	1970	1720	1710
31	2210	---	2400	2540	---	2410	---	1940	---	1820	2150	---
TOTAL	63070	42783	49429	92728	166421	154880	118810	125406	73980	83040	59010	52020
MEAN	2035	1426	1594	2991	5944	4996	3960	4045	2466	2679	1904	1734
MAX	3910	4830	3100	6380	8030	7510	7840	8490	4610	3990	2810	2710
MIN	829	752	757	782	831	1150	1580	884	1170	1330	1460	750

APALACHICOLA RIVER BASIN

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2068	1971	1768	2200	2419	2664	3049	2548	2125	2121	2460	2286
MAX	4196	4433	5778	6802	6797	6053	8042	7509	5476	3427	3875	4423
(WY)	1992	1975	1993	1993	1996	1990	1964	1964	1973	1963	1994	1967
MIN	502	698	558	529	709	647	608	696	569	598	501	523
(WY)a	1958	1957	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1957 - 1998			
ANNUAL TOTAL	789320				1081577							
ANNUAL MEAN	2163				2963				2305			
HIGHEST ANNUAL MEAN	†2231				†2878				3431			
LOWEST ANNUAL MEAN									1001			
HIGHEST DAILY MEAN	6410				May 8				11200			
LOWEST DAILY MEAN	693				Aug 3				351			
ANNUAL SEVEN-DAY MINIMUM	1030				Nov 27				416			
INSTANTANEOUS PEAK FLOW					10200				13200			
INSTANTANEOUS PEAK STAGE					11.27				13.10			
ANNUAL RUNOFF (CFSM)	1.85				†1.91				1.97			
ANNUAL RUNOFF (INCHES)	25.10				†25.89				26.77			
10 PERCENT EXCEEDS	3600				6310				4610			
50 PERCENT EXCEEDS	1970				2260				1760			
90 PERCENT EXCEEDS	887				1140				757			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1946, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1420	1450	2488	2926	3290	3486	3031	2454	1934	1966	1715	1366
MAX	4673	4862	9603	7709	6773	9062	8683	4744	4459	7219	4523	4550
(WY)	1907	1930	1933	1936	1921	1929	1936	1929	1903	1916	1906	1906
MIN	446	653	931	1138	1174	1276	1370	898	732	798	346	295
(WY)	1942	1942	1940	1914	1941	1914	1941	1941	1941	1914	1925	1925

SUMMARY STATISTICS WATER YEARS 1903 - 1946

ANNUAL MEAN	2265
HIGHEST ANNUAL MEAN	3517
LOWEST ANNUAL MEAN	1120
HIGHEST DAILY MEAN	52000
LOWEST DAILY MEAN	132
ANNUAL SEVEN-DAY MINIMUM	217
INSTANTANEOUS PEAK FLOW	b55000
INSTANTANEOUS PEAK STAGE	27.70
INSTANTANEOUS LOW FLOW	c132
ANNUAL RUNOFF (CFSM)	1.94
ANNUAL RUNOFF (INCHES)	26.31
10 PERCENT EXCEEDS	4020
50 PERCENT EXCEEDS	1680
90 PERCENT EXCEEDS	860

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b From rating curve extended above 36,000 ft³/s on basis of computation of peak flow over Morgan Falls Dam.

c Observed.

APALACHICOLA RIVER BASIN

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.

LOCATION.--Lat 33°59'09", long 84°18'58", Fulton County, Hydrologic Unit 03130001, on right bank at Eves Road, 3.3 mi upstream from Big Creek, and 2.2 mi upstream from State Highway 400, 3.6 mi southeast of Roswell, and at mile 320.6.

DRAINAGE AREA.--1,220 mi², approximately.

PERIOD OF RECORD.--October 1941 to May 1960 (published as 02335500, Chattahoochee River "near Roswell"), July 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 858.01 ft above sea level. Prior to July 7, 1976, at site 1.8 mi downstream at datum 8.51 ft lower.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions above station by Gwinnett and DeKalb Counties; return flows above station by Gwinnett County.

AVERAGE DISCHARGE.--40 years (water years 1942-59, 1977-98), 2,149 ft³/s, 23.92 in/yr, unadjusted.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1360	949	777	2330	774	4350	2590	6690	3440	2850	1720	1590
2	1390	693	1360	1630	2130	4760	2270	4260	2560	3020	1640	1600
3	1640	670	1100	921	5950	7570	4800	2800	4570	2480	1820	1700
4	1410	1750	1430	664	8550	7570	2920	8000	4210	2310	1450	1540
5	580	2160	1590	1260	4540	6180	2160	7490	4610	1210	1700	1750
6	1080	1540	747	2210	6820	2420	2630	7460	2580	2160	1920	522
7	1800	1410	662	3170	6670	3250	2840	5480	1390	3600	1860	981
8	2180	840	1490	2410	6590	7990	3540	9950	1420	3280	1650	2230
9	2630	644	1240	5210	6880	5230	6420	3640	1820	3720	1710	2690
10	2160	1010	1120	3600	8200	4220	3450	5170	2040	3400	1870	1550
11	1750	1670	1000	2860	6700	6090	5370	6220	2470	2510	1650	2410
12	572	1450	1030	2650	4590	7580	4470	7170	2490	1640	1630	1470
13	1110	1680	774	3800	6360	7510	4280	7030	2210	2560	1650	1010
14	1740	1660	610	3670	6490	7530	3880	4830	1280	3300	2760	1490
15	2080	1540	1570	2840	6830	4610	3860	4120	1480	3520	1870	1570
16	2010	756	2230	3790	4810	7170	3650	3290	2300	3880	1780	1570
17	1340	986	1730	2260	3920	7480	3090	805	2130	3940	1920	1860
18	1040	1870	2040	1990	7830	4580	3390	1840	2070	2480	1760	1400
19	565	4470	2140	2420	7780	1510	1680	2750	2830	1610	2200	1480
20	1200	2480	1160	3850	7430	4470	3290	3320	2300	2220	2560	1530
21	3230	855	868	4000	7570	7070	5120	3110	1030	3700	3020	1520
22	3390	2350	1050	3910	6790	7060	8140	2550	1770	2880	1730	1770
23	3660	987	2350	1350	2800	7640	7710	2100	2880	2850	1630	1710
24	4130	1070	3560	2810	7610	5790	4330	676	2780	3020	1930	1510
25	2830	1740	3310	1610	7000	5040	5220	1730	3560	2260	1580	1600
26	3920	1350	2090	2690	7640	4850	1840	1770	3170	1640	1690	1710
27	3010	1130	1840	7200	5360	4900	4900	3450	2550	2150	1750	1480
28	3560	1050	1980	5670	7630	2950	7230	4070	855	1950	1820	1650
29	1530	744	2470	5090	---	1050	4320	3130	1680	1630	1900	1760
30	1630	802	1690	5010	---	1110	5100	3850	2530	1800	1580	1930
31	2270	---	2340	3130	---	2060	---	2070	---	1740	1780	---
TOTAL	62797	42306	49348	96005	172244	161590	124490	130821	73005	81310	57530	48583
MEAN	2026	1410	1592	3097	6152	5213	4150	4220	2434	2623	1856	1619
MAX	4130	4470	3560	7200	8550	7990	8140	9950	4610	3940	3020	2690
MIN	565	644	610	664	774	1050	1680	676	855	1210	1450	522

APALACHICOLA RIVER BASIN

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1818	1604	1685	2065	2403	2455	2660	2165	1745	1922	2229	2050
MAX	4239	2659	5797	6797	6872	6114	6784	4778	2611	2688	3844	3742
(WY)	1992	1990	1993	1993	1996	1990	1980	1984	1959	1992	1994	1991
MIN	443	652	552	534	686	727	673	704	467	474	425	483
(WY)a	1958	1958	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1956 - 1998	
ANNUAL TOTAL	784118					1100029						
ANNUAL MEAN	2148					3014					2052	
HIGHEST ANNUAL MEAN	†2216					†2929					3485	
LOWEST ANNUAL MEAN											948	
HIGHEST DAILY MEAN	7780					9950					10900	
LOWEST DAILY MEAN	436					522					315	
ANNUAL SEVEN-DAY MINIMUM	995					995					390	
INSTANTANEOUS PEAK FLOW						12200					14500	
INSTANTANEOUS PEAK STAGE						9.10					9.89	
ANNUAL RUNOFF (CFSM)	1.76					†1.82					1.68	
ANNUAL RUNOFF (INCHES)	23.91					†24.67					22.85	
10 PERCENT EXCEEDS	3630					6690					4080	
50 PERCENT EXCEEDS	1950					2300					1500	
90 PERCENT EXCEEDS	798					1050					647	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1108	1570	2227	3305	3592	3977	3068	2459	1949	1837	1557	1372
MAX	2173	5164	4274	7998	6742	8549	4321	4135	3559	3974	3166	3941
(WY)	1950	1949	1952	1946	1946	1952	1944	1946	1949	1949	1948	1949
MIN	421	662	1269	1375	1659	1961	1981	1818	1273	1036	783	502
(WY)	1955	1942	1945	1942	1951	1955	1942	1947	1955	1954	1951	1954

SUMMARY STATISTICS WATER YEARS 1942 - 1955

ANNUAL MEAN	2329
HIGHEST ANNUAL MEAN	3859
LOWEST ANNUAL MEAN	1508
HIGHEST DAILY MEAN	50200
LOWEST DAILY MEAN	328
ANNUAL SEVEN-DAY MINIMUM	383
INSTANTANEOUS PEAK FLOW	b56000
INSTANTANEOUS PEAK STAGE	c23.40
INSTANTANEOUS LOW FLOW	d322
ANNUAL RUNOFF (CFSM)	1.91
ANNUAL RUNOFF (INCHES)	25.94
10 PERCENT EXCEEDS	4000
50 PERCENT EXCEEDS	1760
90 PERCENT EXCEEDS	876

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b From rating curve extended above 30,000 ft³/s on basis of computation of peak flow over Morgan Falls Dam.

c From floodmarks at site and datum then in use.

d Gage height, 1.44 ft

APALACHICOLA RIVER BASIN

02335700 BIG CREEK NEAR ALPHARETTA, GA.

LOCATION.--Lat 34°03'02", long 84°16'10", Fulton County, Hydrologic Unit 03130001, on left bank at downstream side of bridge on Kimball Bridge Road, 2.6 mi southeast of Alpharetta, and 9.4 mi upstream from mouth.

DRAINAGE AREA.--72 mi², approximately.

PERIOD OF RECORD.--May 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 960.80 ft above sea level (levels by U.S. Soil Conservation Service).

REMARKS.--Records fair, except those greater than 400 ft³/s, which are good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0830	2,570	10.54	Apr. 4	0930	1,830	9.57
Dec. 25	1445	813	7.08	Apr. 9	1230	2,480	10.44
Jan. 8	2045	1,470	8.91	May 1	1200	855	7.22
Feb. 4	1715	3,290	11.23	May 8	1115	1,650	9.26
Mar. 9	0515	*3,360	*11.29				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	145	104	80	110	176	229	803	110	150	40	31
2	61	106	76	76	122	160	158	544	94	69	38	42
3	57	81	91	75	870	154	688	245	89	60	35	45
4	53	72	154	72	2760	148	1670	463	92	59	33	38
5	49	69	92	72	2280	172	552	190	522	55	30	32
6	48	93	78	80	601	224	209	152	231	51	26	28
7	47	91	70	664	237	436	169	167	128	49	25	27
8	45	74	71	1350	202	1880	220	1440	104	61	58	25
9	45	73	86	700	183	2770	2050	693	99	80	226	23
10	46	67	90	152	170	e840	1300	442	91	61	146	23
11	45	71	80	117	183	e250	230	231	89	54	61	22
12	44	117	71	104	174	e220	165	176	82	57	50	22
13	45	148	67	110	158	e200	143	156	77	61	48	21
14	44	114	65	99	152	e190	355	141	70	50	205	20
15	45	86	62	209	147	e180	263	128	69	47	103	19
16	45	74	60	293	236	e170	168	122	89	43	73	21
17	48	68	59	164	547	164	330	121	85	43	89	21
18	46	66	58	122	414	183	277	114	69	39	58	19
19	79	64	56	210	218	175	317	108	252	37	51	20
20	52	61	56	128	185	279	249	103	161	45	279	22
21	44	109	56	107	168	197	204	99	96	38	146	44
22	49	298	135	132	189	160	495	96	81	40	68	45
23	44	123	87	183	297	153	297	94	73	49	54	32
24	75	90	458	122	199	157	176	92	69	54	47	28
25	407	78	746	101	173	146	147	90	64	50	48	25
26	1230	73	197	93	163	139	130	87	60	49	46	24
27	2290	71	200	509	399	136	121	83	58	50	43	22
28	779	68	132	443	215	133	119	82	54	56	41	22
29	126	75	109	153	---	129	112	80	54	50	37	61
30	92	118	106	121	---	125	405	260	61	44	34	131
31	80	---	92	110	---	134	---	200	---	39	34	---
TOTAL	6232	2843	3864	6951	11752	10580	11948	7802	3273	1690	2272	955
MEAN	201	94.8	125	224	420	341	398	252	109	54.5	73.3	31.8
MAX	2290	298	746	1350	2760	2770	2050	1440	522	150	279	131
MIN	44	61	56	72	110	125	112	80	54	37	25	19
CFSM	2.79	1.32	1.73	3.11	5.83	4.74	5.53	3.50	1.52	.76	1.02	.44
IN.	3.22	1.47	2.00	3.59	6.07	5.47	6.17	4.03	1.69	.87	1.17	.49

e Estimated

APALACHICOLA RIVER BASIN

02335700 BIG CREEK NEAR ALPHARETTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	69.0	81.7	124	175	194	219	168	116	80.7	61.8	59.7	48.1
MAX	231	242	495	453	502	512	415	252	169	171	166	117
(WY)	1990	1993	1984	1993	1961	1980	1979	1998	1967	1967	1967	1988
MIN	13.8	19.2	33.1	40.1	54.4	60.0	37.2	31.3	10.5	10.5	12.3	12.9
(WY)	1982	1982	1989	1981	1986	1988	1986	1988	1988	1986	1986	1981

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1960 - 1998

ANNUAL TOTAL	53595	70162	
ANNUAL MEAN	147	192	117
HIGHEST ANNUAL MEAN			192
LOWEST ANNUAL MEAN			45.5
HIGHEST DAILY MEAN	2450	Mar 1	2770
LOWEST DAILY MEAN	20	Sep 21-23	19
ANNUAL SEVEN-DAY MINIMUM	21	Sep 17	20
INSTANTANEOUS PEAK FLOW			3360
INSTANTANEOUS PEAK STAGE			11.29
ANNUAL RUNOFF (CFSM)	2.04		2.67
ANNUAL RUNOFF (INCHES)	27.69		36.25
10 PERCENT EXCEEDS	241		373
50 PERCENT EXCEEDS	85		92
90 PERCENT EXCEEDS	36		39
			117
			192
			45.5
			2770
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			36.25
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APALACHICOLA RIVER BASIN

02335810 CHATTAHOOCHEE RIVER AT MORGAN FALLS DAM AT SANDY SPRINGS, GA.

LOCATION.--Lat 33°58'06", long 84°22'58", Fulton County, Hydrologic Unit 03130001, on upstream side of Morgan Falls Dam 3.9 mi upstream from mouth of Sope Creek at river mile 312.6.

DRAINAGE AREA.--1,370 mi², approximately.

PERIOD OF RECORD.--June 1988 to current year.

REVISED RECORDS.--WDR GA-90-1: 1988-89.

GAGE.--Water-stage recorder. Datum of gage is 843.5 ft above sea level (leveling by Global Positioning System equipment); gage readings have been reduced to elevations above sea level.

REMARKS.--Flow regulated by Lake Sidney Lanier since January 1956 (See "Lakes and Reservoirs In Apalachicola Basin", station 02334400).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 854.06 ft, Feb. 16, 1995; minimum elevation, 845.08 ft, Nov. 9, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 853.94 ft, Mar. 8; minimum elevation, 847.46 ft, July 6, 14.

REVISIONS.--The minimum elevation for the 1997 water year has been revised to 847.49 ft, August 27.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	853.03	853.48	853.20	853.21	853.42	852.93	852.35	852.73	851.92	852.16	852.57	852.32
2	852.90	853.37	852.91	853.24	852.56	852.81	851.73	852.70	851.95	852.08	852.32	852.18
3	852.77	852.72	852.65	853.42	---	852.92	852.16	851.25	851.58	851.83	852.40	852.57
4	853.30	852.57	853.06	853.03	---	852.86	853.27	852.69	851.69	852.65	852.52	852.87
5	852.58	852.62	852.97	852.67	852.45	852.83	852.79	852.39	852.41	852.89	852.10	853.19
6	852.01	853.34	853.33	853.22	852.97	852.67	852.64	852.79	853.05	851.55	852.45	851.87
7	852.54	853.26	852.67	852.80	852.99	852.97	852.30	852.70	853.04	851.59	852.63	850.43
8	852.00	853.36	852.98	852.63	852.77	853.17	852.57	853.01	852.86	851.92	852.62	851.75
9	851.74	852.55	853.32	852.10	852.54	852.26	853.03	852.00	852.67	851.69	852.41	852.40
10	851.74	852.26	853.32	852.03	853.10	853.05	852.04	852.66	852.42	851.61	852.62	852.36
11	852.97	852.77	853.16	852.00	852.47	853.03	852.67	853.08	852.08	852.75	852.54	852.40
12	852.51	852.98	853.28	852.74	852.17	852.86	852.02	852.87	852.13	852.58	852.23	853.10
13	852.18	852.96	853.40	852.65	852.81	852.70	851.80	852.65	852.78	852.10	852.46	853.19
14	852.52	853.04	852.66	852.72	852.34	852.59	852.53	851.77	853.06	851.43	852.65	852.72
15	852.27	853.09	852.56	852.61	852.68	852.23	852.25	851.69	852.27	851.44	852.74	852.73
16	852.95	853.13	853.20	852.80	852.77	852.84	851.73	852.95	851.97	851.88	852.64	852.38
17	853.07	852.71	853.18	853.30	852.72	852.46	851.84	853.20	852.09	851.95	852.57	852.39
18	853.24	852.13	853.26	853.16	852.67	852.71	852.88	853.00	852.05	852.91	852.45	852.57
19	851.93	852.39	853.31	852.76	852.70	853.33	853.17	851.63	852.39	852.85	852.57	852.47
20	851.07	853.33	853.39	852.21	852.26	852.85	852.54	851.27	853.27	851.59	852.88	852.60
21	851.75	853.37	852.83	852.77	852.74	852.82	852.13	851.71	853.18	851.53	852.59	852.60
22	851.42	853.33	852.53	852.64	853.11	852.87	852.88	851.29	852.22	851.62	852.43	852.85
23	851.96	853.40	852.36	852.49	853.06	852.85	851.96	852.91	851.90	851.92	852.61	852.71
24	852.51	853.10	853.12	852.87	852.70	852.72	851.82	852.59	851.77	851.96	852.66	852.63
25	852.93	853.12	852.68	853.24	852.55	852.65	852.17	852.15	851.92	852.80	852.83	852.49
26	853.19	853.29	852.99	851.62	853.24	852.59	852.73	851.91	851.71	852.82	852.72	852.55
27	853.00	853.34	852.87	852.90	853.23	852.84	851.98	851.44	852.97	852.29	852.47	852.60
28	852.85	853.30	852.47	852.59	852.99	853.24	853.10	851.76	852.25	852.48	852.10	852.62
29	852.69	853.28	852.65	852.45	---	853.25	852.14	851.61	850.48	852.53	852.26	852.80
30	852.67	853.10	852.95	852.67	---	853.22	852.86	852.83	852.12	852.39	852.37	852.60
31	852.83	---	853.02	853.22	---	852.40	---	852.72	---	852.52	852.45	---
MEAN	852.49	853.02	852.98	852.73	---	852.82	852.40	852.32	852.27	852.14	852.51	852.50
MAX	853.30	853.48	853.40	853.42	---	853.33	853.27	853.20	853.27	852.91	852.88	853.19
MIN	851.07	852.13	852.36	851.62	---	852.23	851.73	851.25	850.48	851.43	852.10	850.43

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 33°57'14", long 84°26'36", Cobb County, Hydrologic Unit 03130001, on downstream side of bridge on Lower Roswell Road (South Roswell Road), 0.3 mi downstream from Bishop Creek, 6.1 mi east of Marietta, and 2.6 mi upstream from mouth.
DRAINAGE AREA.--29.2 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to current year. Occasional low-flow measurements, water years 1944, 1951, 1953-55, 1957, 1961.

REVISED RECORDS.--WDR GA-89-1: 1985(P), 1986(M), 1987 (P, daily discharge, and monthly runoff), 1988(P).

GAGE.--Water-stage recorder. Datum of gage is 881.37 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good, except those for periods of estimated daily discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1030	2,910	11.53	Apr. 3	1300	2,480	10.83
Dec. 24	1345	1,240	8.35	Apr. 9	0500	4,720	14.14
Jan. 7	0330	1,820	9.68	May 1	0345	1,100	7.95
Jan. 27	0630	1,120	8.01	May 10	0530	2,160	10.29
Feb. 4	0815	2,050	10.09	June 19	1415	1,510	9.02
Mar. 8	0845	*5,970	*15.74				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	72	33	29	37	52	123	248	32	40	15	12
2	25	39	27	28	68	47	43	66	29	21	14	12
3	24	23	79	27	730	44	646	117	27	e19	14	12
4	23	20	80	27	972	42	109	98	145	e18	13	11
5	22	20	36	28	116	67	e62	56	112	e18	13	11
6	21	60	30	59	e72	134	e46	55	42	e17	12	10
7	21	29	27	885	57	210	40	56	33	e17	12	9.9
8	20	23	27	159	50	2210	115	160	29	e22	14	9.6
9	20	22	30	69	46	264	1270	55	28	e17	168	9.3
10	20	21	35	47	43	100	e103	e500	33	e16	27	9.2
11	19	21	27	39	59	e73	69	e65	29	e16	17	9.1
12	19	60	25	35	44	60	61	e40	42	e18	15	9.4
13	19	83	25	44	40	54	58	e38	33	e16	25	9.2
14	19	56	24	36	38	51	155	e37	25	e15	147	8.9
15	19	30	24	100	38	48	65	e36	24	e15	29	8.4
16	22	26	23	90	106	46	57	e35	28	15	22	8.7
17	22	24	23	44	301	45	98	e34	24	15	23	8.2
18	19	23	23	39	80	45	106	e33	22	14	17	8.2
19	19	23	22	146	62	45	217	32	260	14	15	11
20	18	22	23	47	54	126	79	31	58	13	45	11
21	17	104	23	38	50	53	57	30	33	13	18	140
22	23	111	98	112	94	46	82	29	28	36	15	18
23	18	37	32	77	119	45	55	29	26	59	14	12
24	45	30	429	46	59	44	47	28	24	62	14	11
25	123	28	94	38	51	43	45	29	23	21	13	11
26	883	26	50	35	48	43	45	28	22	17	13	10
27	76	25	108	304	171	43	45	27	21	59	12	9.7
28	33	25	45	68	60	43	45	27	21	40	12	9.8
29	26	42	45	50	---	42	45	31	20	47	12	53
30	23	61	38	43	---	41	187	157	36	22	34	15
31	24	---	32	39	---	41	---	50	---	16	18	---
TOTAL	1710	1186	1637	2828	3665	4247	4175	2257	1309	748	832	487.6
MEAN	55.2	39.5	52.8	91.2	131	137	139	72.8	43.6	24.1	26.8	16.3
MAX	883	111	429	885	972	2210	1270	500	260	62	168	140
MIN	17	20	22	27	37	41	40	27	20	13	12	8.2
CFSM	1.89	1.35	1.81	3.12	4.48	4.69	4.77	2.49	1.49	.83	.92	.56
IN.	2.18	1.51	2.09	3.60	4.67	5.41	5.32	2.88	1.67	.95	1.06	.62

e Estimated

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	43.6	42.0	43.1	71.4	91.8	83.5	55.2	43.4	41.1	41.8	36.3	38.0
MAX	112	107	101	159	170	201	139	98.3	114	113	65.1	111
(WY)	1996	1993	1993	1993	1995	1990	1998	1991	1989	1989	1985	1989
MIN	7.07	17.8	14.6	18.5	23.2	25.1	16.0	14.3	4.65	4.89	13.7	15.2
(WY)	1988	1989	1989	1986	1986	1988	1986	1988	1988	1986	1986	1985

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1985 - 1998

ANNUAL TOTAL	22917.9	25081.6	
ANNUAL MEAN	62.8	68.7	52.4
HIGHEST ANNUAL MEAN			70.5
LOWEST ANNUAL MEAN			21.8
HIGHEST DAILY MEAN	1700	Sep 25	2530
LOWEST DAILY MEAN	6.6	Sep 21,22	.79
ANNUAL SEVEN-DAY MINIMUM	6.8	Sep 17	2.0
INSTANTANEOUS PEAK FLOW		5970	6630
INSTANTANEOUS PEAK STAGE		15.74	16.22
INSTANTANEOUS LOW FLOW		8.0	.61
ANNUAL RUNOFF (CFSM)	2.15	2.35	1.79
ANNUAL RUNOFF (INCHES)	29.20	31.95	24.38
10 PERCENT EXCEEDS	104	112	93
50 PERCENT EXCEEDS	29	33	26
90 PERCENT EXCEEDS	11	13	11

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- March 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0800	80020	17	92.0	97	6.70	7.5	13.2	12.0	9.20	90.0
NOV 18...	0915	80020	23	90.0	96	6.85	7.2	4.85	5.00	12.0	96.1
DEC 16...	0900	80020	23	87.0	97	6.40	7.6	4.00	1.00	11.6	90.0
APR 30...	0945	80020	125	70.0	76	6.60	7.7	15.7	--	8.50	89.0
JUN 18...	0945	80020	23	46.2	97	6.63	7.3	21.3	29.5	7.75	89.2
JUL 21...	0745	80020	14	121	116	6.68	7.4	23.7	25.5	7.01	85.3
SEP 09...	1045	80020	9.2	120	--	7.00	--	19.0	23.5	--	--

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 21...	0800	80020	10	3060	<.01	.45	<.01	--	--	<.2	<.2
NOV 18...	0915	80020	10	3060	<.01	.50	<.02	--	--	.2	<.1
DEC 16...	0900	80020	10	3045	<.01	.59	.03	--	--	<.1	<.1
APR 30...	0945	80020	10	3045	.01	.69	.12	.47	.18	.6	.3
JUN 18...	0945	80020	10	3045	.07	.54	.10	.07	--	.2	<.1
JUL 21...	0745	80020	10	3045	<.01	.45	.08	.11	--	.2	<.1
SEP 09...	1045	80020	10.00	3045	<.01	.38	.04	.09	--	.1	<.1

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
OCT 21...	0800	80020	10	3060	17	--	<.01	<.01	<.01	1.2	.2
NOV 18...	0915	80020	10	3060	23	4.4	<.01	<.01	.01	1.6	.2
DEC 16...	0900	80020	10	3045	23	3.6	.01	<.01	.01	.8	.2
APR 30...	0945	80020	10	3045	125	17	.06	<.01	.01	3.2	.8
JUN 18...	0945	80020	10	3045	23	--	<.01	<.01	<.01	1.5	--
JUL 21...	0745	80020	10	3045	14	--	<.01	<.01	.01	1.5	.4
SEP 09...	1045	80020	10.00	3045	9.2	--	<.01	<.01	<.01	1.7	.4

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	BICAR- POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ANC LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
OCT 21...	0800	80020	30	8.0	2.3	5.5	27	.4	1.8	--	--	32
NOV 18...	0915	80020	30	8.2	2.4	5.0	25	.4	2.0	40.7	33.4	32
DEC 16...	0900	80020	29	7.8	2.4	5.1	26	.4	1.6	33.0	27.0	31
APR 30...	0945	80020	23	6.7	1.6	3.6	23	.3	2.0	27.6	22.6	20
JUN 18...	0945	80020	23	6.3	1.7	4.7	30	.4	1.5	34.0	28.0	29
JUL 21...	0745	80020	33	9.2	2.4	9.0	36	.7	1.9	--	--	32

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
OCT 21...	0800	80020	3.6	6.0	<.1	15	72	64	3.30	.10	250	190
NOV 18...	0915	80020	4.4	5.7	<.1	15	67	66	4.11	.09	100	230
DEC 16...	0900	80020	4.2	5.8	<.1	16	74	62	4.62	.10	320	270
APR 30...	0945	80020	4.3	4.3	<.1	9.2	57	49	19.2	.08	430	64
JUN 18...	0945	80020	3.8	7.9	<.1	11	70	56	4.29	.10	15	120
JUL 21...	0745	80020	4.4	12	<.1	14	84	75	3.18	.11	30	210

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 21...	0801	1028	82213	10	3060	17	4	.18	--
NOV 18...	0916	1028	82213	10	3060	23	4	.25	--
DEC 16...	0901	1028	82213	10	3045	23	3	.19	--
APR 30...	0946	1028	82213	10	3045	125	38	13	97
JUN 18...	0946	1028	82213	10	3045	23	5.0	.31	100
JUL 21...	0746	1028	82213	10	3045	14	13	.49	83.3
SEP 09...	1046	1028	82213	10.00	3045	9.2	9	.22	73

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
OCT 21...	0800	80020	30	8.0	2.3	5.5	27	.4	1.8	--	--	32
NOV 18...	0915	80020	30	8.2	2.4	5.0	25	.4	2.0	40.7	33.4	32
DEC 16...	0900	80020	29	7.8	2.4	5.1	26	.4	1.6	33.0	27.0	31
APR 30...	0945	80020	23	6.7	1.6	3.6	23	.3	2.0	27.6	22.6	20
JUN 18...	0945	80020	23	6.3	1.7	4.7	30	.4	1.5	34.0	28.0	29
JUL 21...	0745	80020	33	9.2	2.4	9.0	36	.7	1.9	--	--	32

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
OCT 21...	0800	80020	3.6	6.0	<.1	15	72	64	3.30	.10	250	190
NOV 18...	0915	80020	4.4	5.7	<.1	15	67	66	4.11	.09	100	230
DEC 16...	0900	80020	4.2	5.8	<.1	16	74	62	4.62	.10	320	270
APR 30...	0945	80020	4.3	4.3	<.1	9.2	57	49	19.2	.08	430	64
JUN 18...	0945	80020	3.8	7.9	<.1	11	70	56	4.29	.10	15	120
JUL 21...	0745	80020	4.4	12	<.1	14	84	75	3.18	.11	30	210

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 21...	0801	1028	82213	10	3060	17	4	.18	--
NOV 18...	0916	1028	82213	10	3060	23	4	.25	--
DEC 16...	0901	1028	82213	10	3045	23	3	.19	--
APR 30...	0946	1028	82213	10	3045	125	38	13	97
JUN 18...	0946	1028	82213	10	3045	23	5.0	.31	100
JUL 21...	0746	1028	82213	10	3045	14	13	.49	83.3
SEP 09...	1046	1028	82213	10.00	3045	9.2	9	.22	73

APALACHICOLA RIVER BASIN

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°51'33", long 84°27'16", Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20 ft upstream from Paces Ferry Bridge, at Atlanta, 1 mi downstream from Rottenwood Creek, 2.5 mi upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.--1,450 mi², approximately.

PERIOD OF RECORD.--August 1928 to December 1931, October 1936 to current year. Prior to October 1951, published as "near Vinings".

REVISED RECORDS.--WSP 972: 1932.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft above sea level. Aug. 3, 1928, to Dec. 31, 1931, water-stage recorder, and Nov. 15, 1936 to Mar. 8, 1937, nonrecording gage at same site and datum. Since June 1967, auxiliary water-stage recorder at bridge on U.S. Highway 41, 0.8 mi upstream.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions above station by Gwinnett, DeKalb, and Cobb Counties; return flows above station by Gwinnett and Cobb Counties. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant 9.5 mi above station. Records of chemical analyses for the water years 1974- 79 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--65 years (water years 1929-31, 1937-98), 2,579 ft³/s, 24.15 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, 29.0 ft in December 1919, from floodmarks at site 2.6 mi downstream and stage relation between the two sites.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1610	1730	1170	2450	1210	5940	3210	8160	2740	3340	1810	1840
2	1690	1170	1550	1940	1910	3530	2580	6690	3560	2980	1750	1680
3	1560	1150	1530	1520	8600	7420	5940	2940	4320	3100	1770	1740
4	1590	1750	2140	1070	13300	7530	5360	7560	4450	2450	1840	1620
5	1040	1770	1550	1180	8190	6790	3940	7670	5270	1520	1640	1680
6	1160	1980	1320	2390	7910	3770	2610	7580	3630	1940	1890	1160
7	1760	1730	1130	6080	7010	4450	3730	5770	1850	3470	1940	1170
8	2300	1390	1230	5500	6520	14100	3540	11100	1740	3880	1930	1790
9	2850	1080	1570	5730	6620	10300	10800	6460	2070	3390	2320	2750
10	2130	1150	1520	4320	7770	6260	6590	6280	2460	3960	2230	1920
11	1500	1620	1330	3060	7920	5840	5020	6300	2590	2830	2040	2200
12	1090	1750	1190	2780	4270	7580	5100	7400	2810	2020	1750	1440
13	1210	2300	1180	3820	5360	7830	4540	6830	2350	2140	1780	1090
14	1770	2050	1100	3570	6990	7550	4420	5950	1480	3960	3520	1520
15	1810	1700	1300	4100	6750	5890	5170	4180	2010	3280	2680	1890
16	2060	1130	2310	3720	5940	5990	4120	3520	2490	3500	1980	1540
17	1500	1100	2070	3090	5120	7440	3130	1280	2510	3960	2290	1650
18	1390	1720	1990	1790	7960	5800	4140	2130	2340	3370	2040	1790
19	1140	3190	2330	3480	7830	1870	2570	2420	3650	1790	1850	1510
20	1210	3960	1680	4110	7690	3940	3370	3770	3380	2290	2800	1630
21	3090	1390	1140	3810	7550	7080	5340	3130	1620	3470	3770	2060
22	3160	3360	1970	4270	7680	6990	8260	2960	2000	3130	2130	2090
23	3490	1640	2120	2820	3540	7030	8560	1990	2740	2910	1640	1760
24	3920	1440	5380	2460	7210	6830	5850	1320	3290	3120	1840	1740
25	3450	1620	4940	2240	7530	4800	4360	1510	3170	2950	1880	1680
26	7440	1480	2630	2200	7110	5060	3070	2450	3430	1900	1700	1640
27	5530	1500	3030	8220	6910	4630	3960	3110	3060	2580	1840	1750
28	5720	1280	2400	6620	7430	3900	6750	3700	1460	2450	2160	1510
29	2010	1240	2170	5210	---	1280	4980	3790	1710	1980	1740	2090
30	1890	1190	2100	5090	---	1440	5740	4610	2390	1860	1630	2550
31	2040	---	2490	3870	---	2610	---	3030	---	1980	1850	---
TOTAL	74110	51560	61560	112510	189830	181470	146750	145590	82570	87500	64030	52480
MEAN	2391	1719	1986	3629	6780	5854	4892	4696	2752	2823	2065	1749
MAX	7440	3960	5380	8220	13300	14100	10800	11100	5270	3960	3770	2750
MIN	1040	1080	1100	1070	1210	1280	2570	1280	1460	1520	1630	1090

APALACHICOLA RIVER BASIN

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2175	2145	2088	2640	2940	3246	3446	2837	2351	2293	2527	2345
MAX	4016	4393	6151	7506	7684	7482	8959	7955	5733	3599	4082	4418
(WY)	1992	1975	1993	1993	1990	1990	1964	1964	1973	1963	1984	1967
MIN	525	760	820	794	985	1084	941	955	641	567	426	480
(WY)a	1958	1957	1957	1958	1957	1959	1959	1958	1957	1957	1957	1957
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1956 - 1998	
ANNUAL TOTAL	932240					1249960						
ANNUAL MEAN	2554					3425					2584	
HIGHEST ANNUAL MEAN	†2622					†3340					3834	
LOWEST ANNUAL MEAN											1135	
HIGHEST DAILY MEAN	13200					14100					20500	
LOWEST DAILY MEAN	1020					1040					296	
ANNUAL SEVEN-DAY MINIMUM	1300					1300					340	
INSTANTANEOUS PEAK FLOW						18700					b28900	
INSTANTANEOUS PEAK STAGE						19.55					c23.03	
ANNUAL RUNOFF (CFSM)	1.76					2.36					1.78	
ANNUAL RUNOFF (INCHES)	23.92					†24.56					24.21	
10 PERCENT EXCEEDS	4050					7020					5050	
50 PERCENT EXCEEDS	2240					2580					1950	
90 PERCENT EXCEEDS	1180					1390					1070	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1392	1797	2505	3391	3768	4408	3426	2752	2098	2100	1876	1606
MAX	3423	6185	6804	8630	7602	11390	4960	6336	4601	4402	3643	5416
(WY)	1930	1949	1932	1946	1946	1929	1944	1929	1929	1949	1928	1929
MIN	432	730	1027	1554	1317	1856	1686	1022	859	1111	840	492
(WY)	1955	1942	1940	1942	1941	1941	1941	1941	1941	1954	1954	1954

SUMMARY STATISTICS WATER YEARS 1928 - 1955

ANNUAL MEAN	2567
HIGHEST ANNUAL MEAN	4406
LOWEST ANNUAL MEAN	1454
HIGHEST DAILY MEAN	42100
LOWEST DAILY MEAN	340
ANNUAL SEVEN-DAY MINIMUM	390
INSTANTANEOUS PEAK FLOW	59000
INSTANTANEOUS PEAK STAGE	28.00
ANNUAL RUNOFF (CFSM)	1.77
ANNUAL RUNOFF (INCHES)	24.05
10 PERCENT EXCEEDS	4530
50 PERCENT EXCEEDS	1890
90 PERCENT EXCEEDS	901

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b Gage height, 20.57 ft

c Backwater from Peachtree Creek.

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 33°49'10", long 84°24'28", Fulton County, Hydrologic Unit 03130001, on downstream side of center pier of bridge on Northside Drive at Atlanta, 0.4 mi downstream from Tanyard Branch, and 4 mi upstream from mouth.
DRAINAGE AREA.--86.8 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1958 to current year.

REVISED RECORDS.--WDR GA-96-1: 1995 (P, daily discharge, daily stage and monthly runoff).

GAGE.--Water-stage recorder. Datum of gage is 763.96 ft above sea level (City of Atlanta benchmark). Prior to May 27, 1963, water-stage recorder at site 1,000 ft downstream at same datum.

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1030	3,790	13.05	Feb. 4	0645	5,180	15.27
Nov. 21	2215	8,020	19.11	Mar. 8	1130	*8,880	*20.16
Dec. 24	1230	4,080	13.54	Apr. 3	1300	4,310	13.91
Jan. 7	1945	4,330	13.95	Apr. 9	0430	5,460	15.69
Feb. 3	0830	2,740	11.11	July 27	1415	3,090	11.79

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	266	91	42	69	91	411	302	63	103	36	31
2	40	98	62	42	153	83	99	99	54	46	33	89
3	37	44	224	38	1840	77	1560	94	48	35	31	34
4	33	36	292	38	2820	74	341	102	195	30	29	24
5	29	33	79	38	277	164	93	70	286	29	30	23
6	28	164	66	58	169	404	74	67	74	27	29	20
7	28	66	61	1470	136	895	66	90	54	29	29	19
8	26	37	67	374	116	5430	67	146	47	46	32	19
9	25	31	103	123	102	923	2290	71	45	109	215	17
10	25	29	75	85	92	246	171	337	70	76	78	18
11	25	29	62	72	136	172	99	100	90	33	33	17
12	25	119	67	67	91	136	79	70	45	53	28	18
13	24	262	79	84	77	119	72	61	98	37	26	18
14	24	129	89	100	74	111	366	57	41	27	480	17
15	24	48	78	402	71	104	118	55	37	25	69	17
16	24	36	73	234	296	100	79	54	157	163	113	17
17	25	31	77	97	783	95	130	54	74	64	105	16
18	25	30	73	93	176	96	107	51	42	35	120	17
19	24	29	73	565	113	94	477	50	268	30	69	23
20	23	28	70	116	97	93	140	48	115	79	161	21
21	22	1370	71	85	88	88	155	48	52	40	46	535
22	34	2280	383	266	294	85	459	48	44	29	31	62
23	24	210	71	184	292	85	123	46	40	92	27	32
24	169	146	1830	91	112	86	87	45	37	52	26	26
25	194	124	224	74	88	85	77	44	35	50	24	24
26	1510	109	89	70	87	84	71	43	32	42	24	22
27	250	102	223	878	565	83	67	123	31	836	22	21
28	74	95	74	e140	115	83	64	91	30	112	22	21
29	54	139	66	98	---	82	71	83	29	110	21	296
30	48	203	58	84	---	82	555	621	65	54	22	63
31	97	---	48	75	---	85	---	103	---	39	39	---
TOTAL	3037	6323	4998	6183	9329	10435	8568	3273	2298	2532	2050	1577
MEAN	98.0	211	161	199	333	337	286	106	76.6	81.7	66.1	52.6
MAX	1510	2280	1830	1470	2820	5430	2290	621	286	836	480	535
MIN	22	28	48	38	69	74	64	43	29	25	21	16
CFSM	1.13	2.43	1.86	2.30	3.84	3.88	3.29	1.22	.88	.94	.76	.61
IN.	1.30	2.71	2.14	2.65	4.00	4.47	3.67	1.40	.98	1.09	.88	.68

e Estimated.

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	91.3	112	125	178	197	227	173	135	114	125	98.3	95.9
MAX	416	374	395	402	448	531	508	379	307	301	257	325
(WY)	1996	1993	1984	1972	1990	1980	1979	1991	1989	1989	1974	1989
MIN	13.4	31.7	28.4	33.0	66.2	63.9	49.5	40.7	28.9	29.8	20.4	20.6
(WY)	1979	1959	1989	1981	1986	1988	1986	1988	1988	1959	1959	1978

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1958 - 1998	
ANNUAL TOTAL	56461		60603			
ANNUAL MEAN	155		166		139	
HIGHEST ANNUAL MEAN					203	
LOWEST ANNUAL MEAN					67.0	
HIGHEST DAILY MEAN	3430		5430		6500	
LOWEST DAILY MEAN	12		16		6.0	
ANNUAL SEVEN-DAY MINIMUM	12		17		6.2	
INSTANTANEOUS PEAK FLOW			8880		9650	
INSTANTANEOUS PEAK STAGE			20.16		21.06	
ANNUAL RUNOFF (CFSM)	1.78		1.91		1.60	
ANNUAL RUNOFF (INCHES)	24.20		25.97		21.80	
10 PERCENT EXCEEDS	284		292		273	
50 PERCENT EXCEEDS	62		73		60	
90 PERCENT EXCEEDS	24		25		24	

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1969 to May 1972, July 1975 to current year.

REMARKS.--For further information regarding sampling methodologies and sampler types used to collect data according to the protocols of the USGS NAWQA program, please contact the Georgia District Office, U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 21...	0930	1028	80020	21	166	--	6.90	--	14.7	16.0	9.20	92.0
NOV 18...	1215	1028	80020	30	150	--	6.90	--	6.96	18.0	11.4	95.0
DEC 16...	1100	1028	80020	72	152	--	6.70	--	5.00	--	10.6	85.0
MAY 06...	1130	1028	80020	65	156	--	6.84	--	18.1	30.0	8.34	90.0
JUN 18...	1130	1028	80020	42	142	--	6.61	--	25.5	31.5	6.28	78.1
JUL 21...	0945	1028	80020	37	150	--	6.73	--	26.1	31.0	5.92	73.4
AUG 26...	1230	1028	80020	24	171	--	7.10	--	27.6	33.5	8.60	112

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 21...	0930	1028	80020	<.01	--	.50	--	.02	--	--	<.2	<.2
NOV 18...	1215	1028	80020	<.01	--	.62	--	.06	.25	.10	.3	.2
DEC 16...	1100	1028	80020	<.01	--	.79	--	.14	.32	.16	.5	.3
JAN 08...	1000	--	--	--	.640	--	.040	--	--	--	--	--
FEB 05...	1145	--	--	--	.950	--	.110	--	--	--	--	--
MAR 05...	1050	--	--	--	2.33	--	.240	--	--	--	--	--
APR 09...	1115	--	--	--	.400	--	.210	--	--	--	--	--
MAY 07...	1130	--	--	--	.820	--	.060	--	--	--	--	--
JUN 11...	1100	--	--	--	.700	--	.030	--	--	--	--	--
18...	1130	1028	80020	.02	--	.38	--	.19	.17	.16	.4	.4
JUL 09...	1050	--	--	--	.660	--	.110	--	--	--	--	--
21...	0945	1028	80020	.03	--	.66	--	.14	.50	.12	.6	.3
AUG 26...	1230	1028	80020	.01	--	.42	--	.11	.12	.06	.2	.2
SEP 10...	1047	--	--	--	.270	--	.070	--	--	--	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)
OCT 21...	0930	1028	80020	10	3045	21	--	<.01	<.01	<.01	2.1	.4
NOV 18...	1215	1028	80020	10	3045	30	5.0	<.01	<.01	.01	2	.2
DEC 16...	1100	1028	80020	10	3045	72	38	.06	<.01	.01	1.8	1
JAN 08...	1000	--	--	--	--	--	70	.140	--	--	--	--
FEB 05...	1145	--	--	--	--	--	28	.050	--	--	--	--
MAR 05...	1050	--	--	--	--	--	60	.140	--	--	--	--
APR 09...	1115	--	--	--	--	--	190	.110	--	--	--	--
MAY 07...	1130	--	--	--	--	--	9.0	.040	--	--	--	--
JUN 11...	1100	--	--	--	--	--	32	.080	--	--	--	--
18...	1130	1028	80020	10	3045	42	--	.03	.01	<.01	3.2	.8
JUL 09...	1050	--	--	--	--	--	18	.100	--	--	--	--
21...	0945	1028	80020	10	3045	37	--	.05	<.01	.01	5.0	1.1
AUG 26...	1230	1028	80020	10	3045	24	--	.02	<.01	.01	2.2	.4
SEP 10...	1047	--	--	--	--	--	4.0	.030	--	--	--	--

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 21...	0931	1028	82213	10	3045	21	16	.91	--
NOV 18...	1216	1028	82213	10	3045	30	7	.57	--
DEC 16...	1101	1028	82213	10	3045	72	55	11	--
MAY 06...	1131	1028	82213	10	3045	65	10	1.8	74
JUN 18...	1131	1028	82213	10	3045	42	15	1.7	93
JUL 21...	0946	1028	82213	10	3045	37	21	2.1	97.4
AUG 26...	1231	1028	82213	10	3045	24	6.0	.39	91.4

APALACHICOLA RIVER BASIN

02336490 CHATTAHOOCHEE RIVER AT STATE HIGHWAY 280, NEAR ATLANTA, GA.

LOCATION.--Lat 33°49'01", long 84°28'48", Fulton-Cobb County line, Hydrologic Unit 03130002, on downstream side of bridge on State Highway 280, 0.6 mi upstream from Southern Railway bridge, 1.7 mi downstream from Peachtree Creek, and at mile 298.8.

DRAINAGE AREA.--1,590 mi² (revised).

PERIOD OF RECORD.--March 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 736.35 ft above sea level.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

EXTREMES OUTSIDE PERIOD OF RECORD: Flood of April 13, 1979, reached a stage of 30.71 ft from floodmarks, discharge, 32,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1840	2560	1340	2790	1480	6720	4310	9220	2930	3630	2000	2020
2	1850	1470	1710	2200	2240	3890	3060	7470	4100	3210	1920	1920
3	1680	1280	1880	1870	12800	8050	8750	3400	4630	3250	1880	1940
4	1800	1860	2920	1220	20200	8140	6840	7830	4970	2640	2000	1770
5	1120	1910	1840	1290	11300	7760	4690	8490	6640	1590	1760	1850
6	1200	2410	1570	2590	8980	5300	3060	8220	4350	1880	1990	1240
7	1760	1990	1280	9210	8010	6700	4380	6760	2050	3610	2080	1230
8	2400	1650	1370	7120	7420	23100	4120	11200	1850	4160	2060	1780
9	3030	1190	1820	6390	7330	17100	15300	7340	2220	3700	2830	2960
10	2280	1230	1750	5170	8280	8370	7850	7530	2680	4350	2640	2050
11	1730	1740	1510	3590	8780	6750	5830	6940	2910	3100	2240	2320
12	1140	1980	1370	3140	5090	8400	5880	8150	3030	2160	1950	1660
13	1190	3080	1350	4340	5750	8500	5250	7650	2810	2200	1930	1160
14	1770	2440	1260	4090	7770	8320	5600	6940	1580	4200	4500	1530
15	1870	1970	1340	5360	7270	6940	6100	4810	1990	3510	3170	2030
16	2190	1290	2490	4600	7230	6360	4770	4200	2820	3790	2280	1660
17	1600	1230	2360	3860	7080	8140	3750	1490	2760	4290	2730	1750
18	1480	1650	2150	1970	8680	6930	4910	2320	2460	3720	2520	1900
19	1190	3460	2510	4930	8620	2280	3640	2610	4070	1880	2130	1580
20	1200	4590	1970	4680	8410	4280	3940	4300	3960	2450	3200	1790
21	3100	2930	1250	4340	8210	7780	6090	3410	1730	3770	4220	3080
22	3420	6680	2590	5130	8580	7750	8960	3310	1990	3450	2470	2380
23	3750	2100	2490	3730	4680	7730	9310	2280	2910	3200	1850	1940
24	4360	1650	8990	2850	7540	7610	6960	1420	3540	3420	2050	1890
25	4050	1840	6120	2680	8300	5530	5000	1520	3370	3370	2090	1830
26	10500	1700	3240	2290	7730	5850	3690	2590	3680	2080	1880	1770
27	6660	1690	3770	9840	8700	5230	4280	3590	3370	4390	2020	1870
28	6350	1450	2770	7860	8070	4750	7260	4200	1460	2970	2290	1630
29	2450	1460	2510	5980	---	1550	5990	4520	1690	2380	1920	2780
30	2090	1590	2410	5610	---	1740	7100	6160	2430	2090	1760	2840
31	2210	---	2820	4580	---	2950	---	3740	---	2180	2040	---
TOTAL	83260	64070	74750	135300	224530	220500	176670	163610	90980	96620	72400	58150
MEAN	2686	2136	2411	4365	8019	7113	5889	5278	3033	3117	2335	1938
MAX	10500	6680	8990	9840	20200	23100	15300	11200	6640	4390	4500	3080
MIN	1120	1190	1250	1220	1480	1550	3060	1420	1460	1590	1760	1160

e Estimated

APALACHICOLA RIVER BASIN

02336490 CHATTAHOOCHEE RIVER AT STATE HIGHWAY 280, NEAR ATLANTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2458	2261	2556	3087	3964	3803	2975	2780	2267	2509	2764	2583
MAX	4289	4173	7191	8529	8606	8512	5962	6291	3305	3235	4664	4276
(WY)	1992	1993	1993	1993	1990	1990	1983	1984	1997	1992	1994	1991
MIN	1443	1365	1138	1325	1185	1274	1195	1065	1096	1350	1437	1376
(WY)	1989	1989	1989	1989	1986	1988	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1981 - 1998			
ANNUAL TOTAL	1087710				1460840							
ANNUAL MEAN	2980				4002				2856			
HIGHEST ANNUAL MEAN									4394			
LOWEST ANNUAL MEAN									1486			
HIGHEST DAILY MEAN	18100				Sep 25				29800			
LOWEST DAILY MEAN	1110				Jul 20				847			
ANNUAL SEVEN-DAY MINIMUM	1490				Dec 9				883			
INSTANTANEOUS PEAK FLOW					28900				Mar 8			
INSTANTANEOUS PEAK STAGE					28.18				Mar 8			
ANNUAL RUNOFF (CFSM)	1.87				†1.92				2.52			
ANNUAL RUNOFF (INCHES)	25.45				†26.03				†2.46			
10 PERCENT EXCEEDS	4950				8030				†33.45			
50 PERCENT EXCEEDS	2490				2960				1.80			
90 PERCENT EXCEEDS	1310				1560				24.40			
									1170			

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

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

LOCATION.--Lat 33°48'11", long 84°31'12", Cobb County, Hydrologic Unit 03130002, on the left downstream side of bridge on U.S. Highways 78 and 278, 1.5 mi east of Mableton, and 1.2 mi above mouth.

DRAINAGE AREA.--31.5 mi².

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is about 745 ft above sea level (from topographic map). Prior to Nov. 11, 1996, at site 150 ft downstream on right bank at same datum.

REMARKS.--Records good to fair, except those for the period of estimated daily discharge, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	e36	28	35	44	54	101	143	e30	e38	20	13
2	19	e24	26	36	54	50	38	59	e28	e20	18	13
3	18	e16	48	34	382	47	292	56	e25	e19	17	13
4	18	e22	60	33	739	61	76	54	e99	e17	16	13
5	18	21	32	34	183	96	50	50	e77	e18	15	12
6	18	37	29	38	80	158	46	e48	e40	e16	15	11
7	e17	25	28	351	65	193	41	e47	e32	e16	14	11
8	e16	22	28	119	59	3320	43	e101	e28	e22	20	9.6
9	e16	21	33	66	55	1490	970	e52	e27	e16	157	9.4
10	e16	20	30	53	53	159	99	e351	e32	e16	41	9.3
11	e15	21	27	49	59	100	69	e54	e29	e18	27	9.6
12	e15	38	27	46	50	77	61	e40	e39	23	25	9.6
13	e15	54	26	50	48	66	58	e37	e33	20	49	9.1
14	e15	36	27	50	48	65	102	e35	e25	15	44	8.5
15	e15	26	26	80	45	60	63	e34	e23	14	26	8.5
16	e17	23	25	68	75	55	61	e34	e27	13	36	8.6
17	e17	22	26	48	166	51	73	e33	e24	14	82	8.6
18	e16	23	25	45	68	51	61	e31	e22	14	52	8.2
19	e15	21	26	107	56	49	142	e31	e157	9.4	29	8.8
20	e15	20	25	53	52	70	66	e30	e55	42	32	9.6
21	e15	80	26	48	48	44	58	e30	e32	27	26	97
22	e18	94	69	81	78	41	65	e28	e27	23	22	24
23	e16	35	33	67	89	41	53	e28	e25	e57	19	17
24	e30	30	244	51	55	41	51	e27	e23	e61	18	15
25	e80	28	82	45	52	38	49	e29	e22	e21	17	15
26	e300	27	51	43	51	37	48	e28	e21	e17	16	14
27	e50	26	75	187	123	36	47	e26	e21	e60	15	14
28	e25	25	46	69	61	36	45	e27	e21	e35	15	14
29	e20	34	45	59	---	35	45	e30	e19	e37	14	93
30	e16	39	41	52	---	33	111	e100	e35	23	13	29
31	e17	---	37	47	---	34	---	e48	---	22	13	---
TOTAL	918	946	1351	2144	2938	6688	3084	1721	1098	763.4	923	535.4
MEAN	29.6	31.5	43.6	69.2	105	216	103	55.5	36.6	24.6	29.8	17.8
MAX	300	94	244	351	739	3320	970	351	157	61	157	97
MIN	15	16	25	33	44	33	38	26	19	9.4	13	8.2
CFSM	.94	1.00	1.38	2.20	3.33	6.85	3.26	1.76	1.16	.78	.95	.57
IN.	1.08	1.12	1.60	2.53	3.47	7.90	3.64	2.03	1.30	.90	1.09	.63

APALACHICOLA RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

MEAN	47.3	38.9	39.8	73.2	91.8	129	70.5	47.3	36.5	33.3	24.7	28.1
MAX	95.5	57.5	43.6	89.1	105	216	103	55.5	39.7	48.8	29.8	36.4
(WY)	1996	1996	1998	1996	1998	1998	1998	1998	1997	1997	1998	1997
MIN	16.7	27.8	37.5	61.3	79.8	61.7	51.6	41.7	33.3	24.6	21.3	17.8
(WY)	1997	1997	1996	1997	1997	1997	1997	1997	1996	1998	1997	1998

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1996 - 1998	
ANNUAL TOTAL	16558.6		23109.8			
ANNUAL MEAN	45.4		63.3		54.9	
HIGHEST ANNUAL MEAN					63.3	
LOWEST ANNUAL MEAN					43.5	
HIGHEST DAILY MEAN	614	Jul 23	3320	Mar 8	3320	Mar 8 1998
LOWEST DAILY MEAN	8.9	Sep 21	8.2	Sep 18	8.2	Sep 18 1998
ANNUAL SEVEN-DAY MINIMUM	9.4	Sep 17	8.6	Sep 13	8.6	Sep 13 1998
INSTANTANEOUS PEAK FLOW			Unknown	Mar 8	Unknown	Mar 8 1998
INSTANTANEOUS PEAK STAGE			13.62	Mar 8	13.62	Mar 8 1998
ANNUAL RUNOFF (CFSM)	1.44		2.01		1.74	
ANNUAL RUNOFF (INCHES)	19.55		27.29		23.68	
10 PERCENT EXCEEDS	75		85		82	
50 PERCENT EXCEEDS	31		34		33	
90 PERCENT EXCEEDS	15		15		15	

e Estimated

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.

LOCATION.--Lat 33°46'22", long 84°36'53", Douglas County, Hydrologic Unit 03130002, on right bank 100 ft upstream from bridge on Interstate Highway 20, 400 ft upstream from Blair Bridge, 3 mi southeast of Austell, and 5.5 mi upstream from mouth.
DRAINAGE AREA.--246 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for November to December 1913, published in WSP 1304.

REVISED RECORDS.--WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.--Water-stage recorder. Datum of gage is 857.01 ft above sea level (levels by U.S. Army Corps of Engineers). May 6, 1904, to Dec. 31, 1905, and Nov. 3 to Dec. 27, 1913, nonrecording gage at site 2.5 mi upstream at different datum. Mar. 24 to Nov. 29, 1937, nonrecording gage at present site and datum.

REMARKS.--Records good, except those for periods of estimated daily discharges, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1916 reached a stage of about 20.0 ft, from information by local resident; discharge, 12,600 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 1,800 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	1200	2,880	8.62	Mar. 9	1900	*6,720	*16.15
Dec. 25	0800	2,060	6.65	Apr. 4	0700	1,840	6.11
Jan. 8	0600	3,170	9.28	Apr. 10	0500	3,260	9.48
Feb. 5	1000	5,030	13.16				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	248	405	338	326	383	649	518	980	312	108	194	66
2	185	443	289	294	372	512	456	754	236	97	152	74
3	153	328	295	278	1870	451	920	527	197	99	128	123
4	136	266	513	269	4010	411	1570	482	186	95	112	112
5	126	224	391	265	4900	468	835	392	423	95	102	89
6	115	251	317	309	3830	839	555	346	357	97	93	76
7	109	294	270	2410	1750	1330	455	327	302	92	84	66
8	103	268	253	2980	705	e3400	411	321	230	95	114	59
9	99	243	267	1850	562	e6400	2390	296	194	120	531	53
10	96	219	269	807	493	5830	3010	724	179	114	373	48
11	93	205	260	505	484	3620	1910	572	214	106	249	46
12	89	215	238	415	478	1350	739	370	199	94	190	45
13	86	424	225	393	423	740	530	300	186	91	168	44
14	84	480	222	371	388	634	592	267	158	87	228	44
15	85	401	219	575	365	565	625	247	146	80	384	43
16	86	324	215	727	551	513	527	235	173	86	510	41
17	88	266	210	603	1320	469	536	226	190	146	468	40
18	89	237	204	488	1540	462	548	216	172	147	440	38
19	88	223	199	905	1340	463	941	207	296	120	293	39
20	85	212	195	745	733	584	1460	198	459	146	278	43
21	82	305	194	576	534	548	1100	189	324	137	202	132
22	107	742	422	558	564	483	687	184	237	e250	156	115
23	106	542	407	813	925	428	538	180	186	e400	133	80
24	132	396	1140	637	757	418	468	176	151	e430	117	68
25	216	303	1890	492	594	415	421	172	132	e250	106	61
26	1560	260	1370	411	499	395	377	168	121	e250	99	56
27	2740	240	955	1160	968	372	342	188	110	e500	90	52
28	2280	231	683	1070	816	356	321	177	103	e1400	82	52
29	865	239	533	710	---	353	314	162	95	e1200	75	130
30	336	347	468	528	---	347	553	423	90	434	71	129
31	271	---	387	438	---	339	---	444	---	240	68	---
TOTAL	10938	9533	13838	22908	32154	34144	24649	10450	6358	7606	6290	2064
MEAN	353	318	446	739	1148	1101	822	337	212	245	203	68.8
MAX	2740	742	1890	2980	4900	6400	3010	980	459	1400	531	132
MIN	82	205	194	265	365	339	314	162	90	80	68	38
CFSM	1.43	1.29	1.81	3.00	4.67	4.48	3.34	1.37	.86	1.00	.82	.28
IN.	1.65	1.44	2.09	3.46	4.86	5.16	3.73	1.58	.96	1.15	.95	.31

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	162	230	351	517	599	669	533	340	225	233	184	122
MAX	852	1265	1196	1378	1727	1473	1494	1007	560	805	722	346
(WY)	1990	1949	1984	1972	1961	1990	1979	1991	1989	1905	1904	1950
MIN	5.66	25.7	68.8	81.6	183	173	130	87.5	20.7	15.8	23.0	4.36
(WY)	1955	1955	1956	1956	1938	1988	1986	1988	1988	1986	1954	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1904 - 1998			
ANNUAL TOTAL	163038				180932							
ANNUAL MEAN	447				496				344			
HIGHEST ANNUAL MEAN									553			
LOWEST ANNUAL MEAN									141			
HIGHEST DAILY MEAN	4770				6400				10100			
LOWEST DAILY MEAN	29				38				2.1			
ANNUAL SEVEN-DAY MINIMUM	32				41				2.3			
INSTANTANEOUS PEAK FLOW					6720				10700			
INSTANTANEOUS PEAK STAGE					16.15				19.90			
INSTANTANEOUS LOW FLOW					a38				b.52			
ANNUAL RUNOFF (CFSM)	1.82				2.02				1.40			
ANNUAL RUNOFF (INCHES)	24.65				27.36				18.98			
10 PERCENT EXCEEDS	945				947				685			
50 PERCENT EXCEEDS	266				295				199			
90 PERCENT EXCEEDS	85				87				61			

a Gage height, .68 ft.

b Due to construction work upstream from gage, gage height, -.31 ft.

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.

LOCATION.--Lat 33°39'24", long 84°40'25", Fulton-Douglas County line, Hydrologic Unit 03130002, at downstream end of bridge pier on State Highways 74 and 92, 1.4 mi downstream from Deep Creek, 8.5 mi northwest of Fairburn, and at mile 281.8.
DRAINAGE AREA.--2,060 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 719.07 ft above sea level (levels by Georgia Department of Transportation).

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400).

Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydro-electric plant.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2540	3770	2120	3530	2870	8850	5400	10300	3430	3850	2470	2360
2	2240	2390	2210	2950	2270	4420	4440	9390	4740	3540	2320	2440
3	2110	1990	2320	2640	11900	8090	7980	4690	4580	3500	2170	2370
4	2270	2150	3900	1900	20200	8590	12500	7270	5180	3210	2310	2260
5	1610	2440	2890	1870	19900	8810	6610	9110	7780	2150	2160	2180
6	1560	2650	2320	2630	13200	7730	4490	8500	5790	1920	2200	1730
7	1910	2850	1920	9400	10300	8780	5280	7860	2810	3650	2360	1600
8	2450	2320	1920	12500	8630	20600	5280	9450	2420	4280	2350	1700
9	3120	1790	2370	8260	8210	28200	13000	9820	2600	4030	3900	3190
10	2670	1740	2330	7220	8620	18800	13400	7950	2860	4660	3770	2240
11	2330	1970	2160	4850	9360	11300	8390	7960	3360	3780	2770	2400
12	1630	2280	1980	3970	6730	9900	7280	8180	3390	2430	2490	2300
13	1500	3840	1910	4820	6280	9410	6250	8020	3500	2350	2300	1550
14	1870	3470	1860	4940	8400	9220	6520	7890	2280	4160	4120	1590
15	2110	2840	1850	6490	7400	8590	7390	5540	2180	3720	4960	2240
16	2510	2140	2620	6190	8380	6540	5960	5160	3160	3920	2960	2020
17	2070	1840	2930	5710	9080	8760	5080	2500	3400	4710	3570	1950
18	1870	1800	2540	2920	10100	8450	6020	2490	2920	4390	3500	2130
19	1580	3390	2840	6730	9950	3860	5210	3040	3590	2290	2840	1910
20	1530	5500	2650	5850	9310	4460	6170	4510	6200	2330	3580	2030
21	2680	2630	1900	5560	8750	7980	7370	3960	2600	4030	4680	3410
22	3750	11200	3220	5900	8960	8350	8640	3770	2330	3990	3270	2930
23	3930	3960	3310	6030	8100	8230	9990	3170	3070	3580	2220	2270
24	4350	2430	9040	4060	7530	8510	8420	2090	3880	3710	2300	2190
25	4890	2470	10700	3780	9010	6500	5810	2000	3700	4220	2430	2110
26	10400	2380	5820	2820	8260	6600	5150	2690	4040	2480	2210	2060
27	11400	2310	5250	9740	10500	5950	4230	3700	4080	4670	2290	2110
28	8550	2040	4160	9990	8750	6210	7130	4810	2080	6000	2370	2000
29	4750	2020	3580	7560	---	2700	7410	4650	2050	3900	2420	2910
30	2690	2390	3450	6420	---	2500	7430	6820	2400	3000	2110	3420
31	2580	---	3470	6320	---	3250	---	5690	---	2600	2180	---
TOTAL	101450	86990	101540	173550	260950	270140	214230	182980	106400	111050	87580	67600
MEAN	3273	2900	3275	5598	9320	8714	7141	5903	3547	3582	2825	2253
MAX	11400	11200	10700	12500	20200	28200	13400	10300	7780	6000	4960	3420
MIN	1500	1740	1850	1870	2270	2500	4230	2000	2050	1920	2110	1550

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2947	2956	3055	4275	4703	5130	4735	3943	3130	3002	3260	2987
MAX	5518	5397	7946	9123	10370	11230	10720	7434	7393	4746	5606	5258
(WY)	1990	1993	1993	1993	1990	1990	1979	1984	1973	1967	1984	1967
MIN	1721	1706	1367	1482	1707	1698	1668	1431	1318	1583	1630	1654
(WY)	1989	1989	1989	1981	1986	1988	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1965 - 1998			
ANNUAL TOTAL	1398300				1764460							
ANNUAL MEAN	3831				4834				3676			
HIGHEST ANNUAL MEAN	†3899				†4749				5240			
LOWEST ANNUAL MEAN									1879			
HIGHEST DAILY MEAN	22100				Mar 1				36900			
LOWEST DAILY MEAN	1210				Sep 22				1000			
ANNUAL SEVEN-DAY MINIMUM	1930				Oct 13				1110			
INSTANTANEOUS PEAK FLOW					30500				Mar 9			
INSTANTANEOUS PEAK STAGE					23.05				Mar 9			
ANNUAL RUNOFF (CFSM)	1.86				†1.89				25.74			
ANNUAL RUNOFF (INCHES)	25.25				†25.70				1.78			
10 PERCENT EXCEEDS	6610				9020				24.24			
50 PERCENT EXCEEDS	3170				3650				7010			
90 PERCENT EXCEEDS	1850				2030				2740			
									1550			

† Adjusted for change of contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 33°31'46", long 84°55'42", Carroll County, Hydrologic Unit 03130002, on left bank, on downstream side of former bridge pier, 50 ft upstream from county highway bridge, at Banning Mills, 1.6 mi north of U.S. Highway 27 (ALT), 3 mi northwest of Whitesburg, 4 mi downstream from Little Snake Creek, and 7 mi upstream from mouth.

DRAINAGE AREA.--35.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1954 to current year.

REVISED RECORDS.--WDR GA-90-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 832.8 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 21	2300	1,100	5.46	Mar. 8	0845	*5,910	*12.65
Feb. 3	1130	1,080	5.40	May 8	0345	1,340	6.01
Feb. 4	0130	1,110	5.48				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	42	43	49	63	94	128	101	63	42	25	22
2	23	36	39	48	64	86	103	90	57	39	24	22
3	22	32	40	48	624	82	287	89	54	38	22	22
4	22	29	52	47	729	80	240	99	70	45	21	22
5	22	28	44	48	225	220	135	83	131	40	21	20
6	22	35	40	61	134	299	112	79	81	37	20	19
7	21	36	38	177	103	259	102	83	66	36	19	19
8	21	32	37	137	93	2500	99	448	59	35	25	18
9	21	30	41	85	87	568	146	124	57	34	71	17
10	21	29	40	70	83	234	108	134	57	33	38	17
11	20	29	38	62	86	158	98	107	55	32	35	17
12	20	30	36	58	80	132	93	92	53	34	36	17
13	20	42	36	57	76	124	92	83	51	33	31	17
14	20	44	39	66	73	118	133	79	49	33	76	16
15	20	38	40	86	71	114	113	75	48	31	64	16
16	20	35	37	82	123	112	100	73	78	33	67	16
17	21	32	36	71	463	110	102	72	62	32	80	15
18	20	31	35	65	180	109	95	69	53	29	53	15
19	21	30	34	140	110	108	283	67	62	28	45	16
20	20	29	33	90	94	109	163	65	61	30	38	18
21	19	145	33	73	86	106	118	64	52	29	34	24
22	26	234	62	91	100	105	105	63	49	29	32	21
23	21	78	48	93	129	103	98	62	46	35	30	18
24	29	55	239	76	98	102	95	61	45	32	28	17
25	36	46	135	68	89	102	90	60	43	31	27	17
26	194	43	80	65	85	100	86	58	43	29	26	16
27	78	40	84	120	178	100	84	58	41	41	25	16
28	46	38	69	90	110	100	82	57	40	39	24	16
29	37	41	63	76	---	98	84	62	38	31	23	23
30	33	50	60	70	---	98	104	80	37	28	23	25
31	32	---	54	66	---	98	---	78	---	26	22	---
TOTAL	972	1439	1705	2435	4436	6728	3678	2815	1701	1044	1105	554
MEAN	31.4	48.0	55.0	78.5	158	217	123	90.8	56.7	33.7	35.6	18.5
MAX	194	234	239	177	729	2500	287	448	131	45	80	25
MIN	19	28	33	47	63	80	82	57	37	26	19	15
CFSM	.88	1.35	1.55	2.21	4.46	6.11	3.45	2.56	1.60	.95	1.00	.52
IN.	1.02	1.51	1.79	2.55	4.65	7.05	3.85	2.95	1.78	1.09	1.16	.58

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	29.3	39.2	50.9	71.3	85.9	102	91.0	64.3	48.0	42.2	33.4	26.1
MAX	85.4	126	152	173	192	233	219	151	95.7	94.0	96.8	56.8
(WY)	1990	1993	1962	1972	1961	1990	1979	1973	1973	1976	1967	1994
MIN	4.43	11.1	12.8	12.3	31.4	31.5	29.6	22.9	11.7	8.93	6.85	7.19
(WY)	1955	1955	1956	1956	1989	1988	1986	1986	1988	1986	1986	1955

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1954 - 1998			
ANNUAL TOTAL	22755				28612							
ANNUAL MEAN	62.3				78.4				56.9			
HIGHEST ANNUAL MEAN									88.2			
LOWEST ANNUAL MEAN									24.0			
HIGHEST DAILY MEAN	1450				Feb 28				2640			
LOWEST DAILY MEAN	15				Sep 22				2.4			
ANNUAL SEVEN-DAY MINIMUM	17				Sep 18				2.7			
INSTANTANEOUS PEAK FLOW					5910				Mar 8			
INSTANTANEOUS PEAK STAGE					12.65				Mar 8			
INSTANTANEOUS LOW FLOW					a14				Sep 18			
ANNUAL RUNOFF (CFSM)	1.76				2.21				b2.3			
ANNUAL RUNOFF (INCHES)	23.84				29.98				1.60			
10 PERCENT EXCEEDS	96				124				21.76			
50 PERCENT EXCEEDS	49				53				93			
90 PERCENT EXCEEDS	21				21				40			
									18			

a Gage height, 1.88 ft

b Gage height, 1.56 ft

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to June 1979, February 1990 to August 1990, April 1992, March 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1961 to September 1962.

WATER TEMPERATURE: June 1960 to September 1964.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 138 μ S, Aug. 14, 1962; minimum daily, 25 μ S Feb. 22, 1962.

WATER TEMPERATURE: Maximum, 34.0°C May 18, 19, 23, 1962; minimum 0.0°C Jan. 20, 1962.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 22...	0845	80020	30	25.0	32	6.70	6.9	13.7	11.0	97.0	95.0
NOV 19...	0930	80020	30	28.0	35	6.50	7.7	6.95	12.1	11.3	95.0
DEC 17...	0915	80020	36	27.0	33	6.40	7.3	4.50	11.5	11.8	93.0
MAY 07...	1000	80020	80	25.0	29	6.40	6.4	17.1	24.5	8.20	89.0
JUN 17...	1000	80020	63	28.9	33	6.44	7.4	21.3	29.5	8.04	92.9
JUL 22...	1000	80020	28	28.0	30	6.59	7.2	24.0	29.0	7.79	95.0
AUG 26...	0930	80020	27	29.0	--	6.40	--	21.9	29.5	8.50	99.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 22...	0845	80020	10	3045	<.01	.13	<.01	--	--	<.2	<.2
25...	2330	80020	50	4080	<.01	.08	.04	.39	--	.4	<.2
26...	0130	80020	50	4080	<.01	.15	.02	.59	--	.6	<.2
26...	0800	80020	50	4080	<.01	.10	.04	.46	--	.5	<.2
26...	1000	80020	50	4080	<.01	<.05	.25	.74	--	1	<.2
26...	1200	80020	50	4080	<.01	<.05	.15	1.4	--	1.5	<.2
26...	1500	80020	50	4080	<.01	<.05	.04	1.2	--	1.3	<.2
27...	0100	80020	50	4080	<.01	.10	.01	.41	--	.4	<.2
NOV 19...	0930	80020	10	3045	<.01	.12	<.02	--	--	.2	<.1
DEC 17...	0915	80020	10	3045	<.01	.12	<.02	--	--	<.1	<.1
MAY 07...	1000	80020	10	3045	<.01	.15	.03	.10	--	.1	<.1
JUN 17...	1000	80020	10	3045	<.01	.12	.16	.26	.04	.4	.2
JUL 22...	1000	80020	10	3060	<.01	.14	.03	.08	--	.1	<.1
AUG 26...	0930	80020	10	3045	.01	.19	.08	.03	--	.1	<.1

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMP- LING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	
OCT												
22...	0845	80020	10	3045	30	--	<.01	<.01	<.01	2.1	.5	
25...	2330	80020	50	4080	109	--	.13	<.01	<.01	2.7	3.5	
26...	0130	80020	50	4080	127	--	.17	<.01	<.01	2.7	4.8	
26...	0800	80020	50	4080	113	--	.15	<.01	<.01	4.3	3.4	
26...	1000	80020	50	4080	296	--	.32	<.01	<.01	4.2	10	
26...	1200	80020	50	4080	418	--	.53	<.01	<.01	5.2	18	
26...	1500	80020	50	4080	268	--	.45	<.01	<.01	6.4	14	
27...	0100	80020	50	4080	117	--	.09	<.01	<.01	4.8	1.7	
NOV												
19...	0930	80020	10	3045	30	--	<.01	<.01	.01	1.1	<.2	
DEC												
17...	0915	80020	10	3045	36	3.2	.03	<.01	.01	1	.2	
MAY												
07...	1000	80020	10	3045	80	--	<.01	<.01	<.01	1.2	.4	
JUN												
17...	1000	80020	10	3045	63	--	.03	<.01	.01	1.7	1.1	
JUL												
22...	1000	80020	10	3060	28	--	<.01	<.01	.01	1.1	.4	
AUG												
26...	0930	80020	10	3045	27	--	.01	<.01	.01	1.4	.4	
DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	BICAR- POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ANC LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	UNFLTRD LAB (MG/L AS CACO3) (90410)
OCT												
22...	0845	80020	8	1.7	.87	2.5	38	.4	1.1	11	9	11
NOV												
19...	0930	80020	8	1.8	.86	2.5	37	.4	1.1	12.6	10.3	12
DEC												
17...	0915	80020	8	1.7	.87	2.5	37	.4	.9	9.60	7.90	11
MAY												
07...	1000	80020	7	1.5	.77	2.1	36	.3	.8	10.0	8.20	9.0
JUN												
17...	1000	80020	7	1.5	.74	2.5	39	.4	1.3	10.1	8.30	9.9
JUL												
22...	1000	80020	7	1.5	.79	2.5	40	.4	.8	--	--	11
DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
OCT												
22...	0845	80020	.5	2.4	<.1	9.6	29	25	2.35	.04	380	18
NOV												
19...	0930	80020	.9	2.3	<.1	9.7	29	26	2.35	.04	130	24
DEC												
17...	0915	80020	1.2	2.3	<.1	9.3	34	24	3.30	.05	130	40
MAY												
07...	1000	80020	1.3	2.1	<.1	8.5	34	23	7.34	.05	220	22
JUN												
17...	1000	80020	1.2	2.6	<.1	8.0	27	24	4.59	.04	270	19
JUL												
22...	1000	80020	.7	2.2	<.1	9.5	30	26	2.27	.04	210	26

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
22...	0846	1028	82213	10	3045	30	11	.89	--
25...	2331	1028	82213	50	4080	109	127	37	94
26...	0131	1028	82213	50	4080	127	163	56	--
26...	0801	1028	82213	50	4080	113	120	37	97
26...	1001	1028	82213	50	4080	296	413	330	--
26...	1201	1028	82213	50	4080	418	578	652	89
26...	1501	1028	82213	50	4080	268	418	302	95
27...	0101	1028	82213	50	4080	117	73	23	--
NOV									
19...	0931	1028	82213	10	3045	30	6	.49	--
DEC									
17...	0916	1028	82213	10	3045	36	4	.39	--
MAY									
07...	1001	1028	82213	10	3045	80	7.0	1.5	95
JUN									
17...	1001	1028	82213	10	3045	63	35	6.0	67
JUL									
22...	1001	1028	82213	10	3060	28	7.0	.53	93.9
AUG									
26...	0931	1028	82213	10	3045	27	10	.73	93.3

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on State Highway 16, 0.5 mi upstream from Central of Georgia Railroad bridge, 1.2 mi southeast of Whitesburg, 1.5 mi downstream from Cedar Creek, 2.0 mi downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.--2,430 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to June 1954, January 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 682.06 ft above sea level. Prior to May 1, 1949, nonrecording gage at site 1.0 mi upstream at datum 2.00 ft higher. May 1, 1949 to June 30, 1954, nonrecording gage at present site at datum 2.00 ft higher.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the City of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

AVERAGE DISCHARGE.--48 years (water years 1939-53, 1966-98), 4,065 ft³/s, 22.72 in/yr.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2980	3960	2660	3980	4630	10100	5510	11200	4210	3530	2710	2380
2	2410	3130	2470	3680	3010	6200	5780	10600	4740	3780	2470	2580
3	2440	2420	2680	3200	12700	7800	7030	6460	4460	3650	2280	2390
4	2320	2270	3920	2540	26400	9370	17300	6480	5410	3410	2330	2370
5	2010	2790	3710	2270	29100	10300	8140	9910	8330	2750	2280	2130
6	1630	2750	2760	2810	20300	10600	5860	9030	6890	2030	2170	2050
7	1810	3370	2310	10400	12600	10500	5440	8750	3940	3040	2370	1610
8	2490	2650	2200	16500	9850	27400	5700	10900	2960	4140	2410	1580
9	2960	2160	2600	9490	9070	41500	12100	12400	2850	4150	4000	2680
10	3170	1940	2770	8620	9190	34500	17800	8260	3110	4460	4310	2710
11	2550	2060	2590	6110	10200	17800	9860	9340	3650	4030	3170	2230
12	1880	2470	2310	4900	8330	11700	8270	8400	3620	2930	2760	2560
13	1560	3580	2160	5040	6820	11000	6800	8650	3770	2550	2540	1740
14	1740	4000	2160	5790	8630	10400	6960	8540	2950	3460	4940	1460
15	2280	3430	2220	6860	7950	10100	8210	6220	2230	3950	6320	2010
16	2390	2660	2550	7360	9130	7320	6790	5540	3340	3840	3610	2220
17	2470	2110	3350	6830	11200	9560	6020	3840	3820	4690	4260	1890
18	1950	1990	2920	4470	11700	9590	6090	2500	3320	4480	3900	2020
19	1810	3020	3080	7170	11300	5920	6360	3550	3280	2960	3450	2080
20	1620	5230	3180	6830	10500	4450	7460	4140	6440	2390	3600	1940
21	2030	3400	2380	6570	9520	7930	7630	4520	3590	3550	4640	2730
22	3820	13700	3180	6370	9680	9080	8560	4120	2570	4030	4020	3530
23	3910	6000	4100	7630	10500	8910	11100	3700	3100	3790	2590	2590
24	4200	3260	8810	5110	7650	9340	9650	2730	3810	3780	2400	2280
25	5220	2960	15700	4760	9880	7470	6390	2270	3800	4160	2530	2170
26	9940	2860	7630	3870	9100	6990	6150	2730	4110	3040	2450	2130
27	15200	2680	5820	9190	12500	6510	4420	3440	4120	3170	2290	2070
28	9160	2450	5360	12600	9910	6800	6610	4870	2930	7650	2410	2130
29	6610	2340	4440	8770	---	4190	8350	4810	2110	4290	2660	2230
30	3270	2830	4130	7380	---	3060	7320	6390	2260	3470	2260	3780
31	2980	---	3800	7100	---	3390	---	7730	---	2780	2170	---
TOTAL	110810	100470	119950	204200	311350	339780	239660	202020	115720	113930	96300	68270
MEAN	3575	3349	3869	6587	11120	10960	7989	6517	3857	3675	3106	2276
MAX	15200	13700	15700	16500	29100	41500	17800	12400	8330	7650	6320	3780
MIN	1560	1940	2160	2270	3010	3060	4420	2270	2110	2030	2170	1460

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3256	3363	3549	5049	5580	6198	5514	4484	3506	3333	3549	3217
MAX	6800	7349	9716	10900	12550	13320	12830	8335	7734	5721	6396	5545
(WY)	1990	1993	1993	1993	1990	1990	1979	1984	1973	1994	1984	1967
MIN	1831	1830	1477	1643	2141	2060	1797	1603	1383	1651	1659	1790
(WY)	1989	1989	1989	1981	1986	1988	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1965 - 1998

ANNUAL TOTAL		1575020				2022460						
ANNUAL MEAN		4315		†4383		5541		†5456			4216	
HIGHEST ANNUAL MEAN											5959	1990
LOWEST ANNUAL MEAN											2112	1988
HIGHEST DAILY MEAN			33200		Mar 1	41500		Mar 9		47600		Mar 18 1990
LOWEST DAILY MEAN			1360		Sep 22	1460		Sep 14		1090		Oct 1 1988
ANNUAL SEVEN-DAY MINIMUM			2030		Oct 13	1920		Sep 13		1200		May 31 1988
INSTANTANEOUS PEAK FLOW						42500		Mar 9		48700		Mar 18 1990
INSTANTANEOUS PEAK STAGE						23.81		Mar 9		25.90		Mar 18 1990
ANNUAL RUNOFF (CFSM)		1.78		†1.80		2.28		†2.25		1.73		
ANNUAL RUNOFF (INCHES)		24.11		†24.49		30.96		†30.49		23.57		
10 PERCENT EXCEEDS			7410			10100				7830		
50 PERCENT EXCEEDS			3490			3910				3160		
90 PERCENT EXCEEDS			2070			2190				1790		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1954, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1539	2418	3474	5199	5729	6846	5200	3691	2853	3137	2578	2118
MAX	3230	9942	7391	12910	10730	14290	9448	6336	5308	5823	4300	5433
(WY)	1950	1949	1949	1946	1946	1952	1944	1946	1949	1948	1940	1949
MIN	564	1009	1405	2347	2127	3072	2658	1410	1225	1496	959	843
(WY)	1942	1942	1940	1942	1941	1941	1941	1941	1941	1952	1951	1941

SUMMARY STATISTICS WATER YEARS 1939 - 1954

ANNUAL MEAN	3740	
HIGHEST ANNUAL MEAN	6221	1949
LOWEST ANNUAL MEAN	2166	1941
HIGHEST DAILY MEAN	57500	Jan 10 1946
LOWEST DAILY MEAN	468	Oct 26 1941
ANNUAL SEVEN-DAY MINIMUM	498	Oct 21 1941
INSTANTANEOUS PEAK FLOW	a59000	Jan 10 1946
INSTANTANEOUS PEAK STAGE	b25.10	Jan 10 1946
ANNUAL RUNOFF (CFSM)	1.54	
ANNUAL RUNOFF (INCHES)	20.91	
10 PERCENT EXCEEDS	6920	
50 PERCENT EXCEEDS	2730	
90 PERCENT EXCEEDS	1200	

† Adjusted for change in contents in Lake Sidney Lanier.

a From rating extended above 30,000 ft³/s on basis of velocity area and channel capacity studies.

b At site and datum then in use and from graph based on gage readings.

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to May 1972, July 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: August 1975 to September 1976, November 1978 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.5°C June 24, 1981; minimum, 1.5°C Jan. 13, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
	(00028)	(00061)	(00095)	(90095)	(00400)	(00403)	(00010)	(00020)	(00300)	(00301)	
OCT 22...	1230	80020	3910	98.0	98	6.90	6.4	17.1	16.0	8.20	87.0
NOV 19...	1130	80020	3440	137	138	6.60	7.0	10.8	--	9.90	91.0
DEC 17...	1115	80020	3460	111	115	6.80	7.3	9.00	10.1	9.80	87.0
MAY 07...	1330	80020	8860	62.0	66	6.50	6.7	15.6	31.0	8.90	92.0
JUN 17...	1400	80020	4140	103	102	6.30	7.4	25.8	33.5	6.30	78.0
JUL 22...	1200	80020	4110	83.0	81	6.50	6.9	23.3	34.0	7.60	90.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	SAM- PLING METHOD, CODES	SAMPLER TYPE (CODE)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)
		(00028)	(82398)	(84164)	(00613)	(00631)	(00608)	(00605)	(00607)	(00625)	(00623)
OCT 22...	1230	80020	20	3011	.01	1.4	.05	.22	--	.3	<.2
NOV 19...	1130	80020	20	3011	.03	2.2	.23	.36	.21	.6	.4
DEC 17...	1115	80020	20	3011	.01	1.5	.16	.22	.16	.4	.3
MAY 07...	1330	80020	20	3011	.01	.74	.11	.18	.12	.3	.2
JUN 17...	1400	80020	20	3060	--	--	--	--	--	--	--
JUL 22...	1200	80020	20	3011	.01	1.1	.03	.27	--	.3	<.1

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	SAM- PLING METHOD, CODES	SAMPLER TYPE (CODE)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TUR- BID- ITY (NTU)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
		(00028)	(82398)	(84164)	(00061)	(00076)	(00665)	(00666)	(00671)	(00681)	(00689)
OCT 22...	1230	80020	20	3011	3910	--	.10	.04	.04	1.9	1.1
NOV 19...	1130	80020	20	3011	3440	9.8	.04	<.01	.01	2.2	.3
DEC 17...	1115	80020	20	3011	3460	10	.04	.01	.02	1.9	.4
MAY 07...	1330	80020	20	3011	8860	--	.03	<.01	<.01	--	--
JUN 17...	1400	80020	20	3060	4140	--	--	--	--	--	--
JUL 22...	1200	80020	20	3011	4110	--	.07	<.01	.01	--	--

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
OCT 22...	1230	80020	21	6.0	1.5	9.3	45	.9	2.8	--	--	28
NOV 19...	1130	80020	29	8.5	1.8	12	44	1	3.4	33.9	27.8	28
DEC 17...	1115	80020	25	7.1	1.8	9.9	43	.9	2.7	28.0	23.0	24
MAY 07...	1330	80020	15	4.1	1.3	4.8	37	.5	2.0	17.7	14.5	16
JUN 17...	1400	80020	23	6.5	1.5	8.8	42	.8	2.7	29.0	24.0	25
JUL 22...	1200	80020	17	4.7	1.2	6.5	42	.7	2.1	--	--	18

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
OCT 22...	1230	80020	6.7	8.0	.1	9.1	80	67	845	.11	160	18
NOV 19...	1130	80020	9.8	11	.2	11	87	85	808	.12	66	53
DEC 17...	1115	80020	8.1	9.3	.2	10	83	70	775	.11	200	46
MAY 07...	1330	80020	4.5	4.4	<.1	6.6	50	40	1200	.07	83	16
JUN 17...	1400	80020	7.0	7.9	.1	8.4	66	57	738	.09	120	15
JUL 22...	1200	80020	5.9	6.1	.1	6.5	58	49	644	.08	22	10

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 22...	1231	1028	82213	20	3011	3910	51	538	85
NOV 19...	1131	1028	82213	20	3011	3440	20	186	76
DEC 17...	1116	1028	82213	20	3011	3460	19	177	81
MAY 07...	1331	1028	82213	20	3011	8860	86	2060	39
JUN 17...	1401	1028	82213	20	3060	4140	48	537	91.8
JUL 22...	1201	1028	82213	20	3011	4110	39	433	91.4

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT						
22...	1046	82213	3920	17.0	52	550
22...	1051	82213	3920	17.0	58	614
NOV						
17...	1222	82213	2130	--	20	115
17...	1227	82213	2130	--	17	98
DEC						
17...	1119	82213	3480	--	36	338
17...	1124	82213	3480	--	35	329
JAN						
24...	1627	82213	4830	9.5	52	678
24...	1632	82213	4830	9.5	50	652
FEB						
26...	1351	82213	8560	11.5	87	2010
26...	1356	82213	8560	11.5	84	1940
MAY						
07...	1334	1028	8860	--	87	2080
07...	1339	1028	8860	--	93	2220
JUL						
22...	1304	1028	4050	--	55	601
22...	1309	1028	4050	--	55	601
AUG						
01...	1731	1028	2810	26.0	39	296
01...	1736	1028	2810	26.0	32	243

APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.

LOCATION.--Lat 33°16'45", long 85°06'00", Heard County, Hydrologic Unit 03130002, on the upstream side of bridge on U.S. Highway 27, 0.2 mi southwest of Franklin, 1 mi downstream from Centralhatchee Creek, 2 mi upstream from Hillabahatchee Creek and at mile 235.5.

DRAINAGE AREA.--2,680 mi², approximately.

PERIOD OF RECORD.--

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

Continuous gage-height: October 1994 to July 1997 (discontinued).

Water quality: July 1975 to current year.

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

AVERAGE DISCHARGE.--6 years (water years 1929-31, 1939, 1958-59), 4,160 ft³/s, 21.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,000 ft³/s, March 15, 1929, gage height, 22.7 ft, from rating curve extended above 36,000 ft³/s on basis of peak flow at stations Chattahoochee River near Norcross, Ga. and Chattahoochee River at West Point, Ga.; maximum recorded gage height, 25.32 ft, Oct. 6, 1995; minimum, 448 ft³/s, October 29, 1931, observed gage height, 3.32 ft, site and datum then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1919 reached a stage of 28.4 ft, from floodmarks, discharge 105,000 ft³/s, from rating curve extended above 36,000 ft³/s on basis of peak flow at stations Chattahoochee River near Norcross, Ga. and Chattahoochee River at West Point, Ga.

EXTREMES FOR CURRENT PERIOD.--October 1996 to July 1997: Maximum gage height 23.55 ft, Mar. 1; minimum 7.78 ft, Dec. 16.

REMARKS.--Gage is in pool of West Point Lake formed by dam at mile 201.4 since October 1974. Flow regulated by Lake Sidney Lanier since January 1956 (see "Lakes and Reservoirs in Apalachicola River Basin", station 02334400).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT											
09...	0500	81341	9.41	146	144	7.3	7.2	23.0	16.0	6.8	81
NOV											
20...	1530	81341	10.73	136	141	7.3	7.2	12.0	18.5	10.0	94
DEC											
10...	0600	81341	9.15	122	119	7.3	7.3	11.0	9.0	10.2	96
JAN											
20...	0600	81341	13.43	80	77	6.9	7.0	7.0	-1.0	8.6	72
FEB											
06...	0600	81341	21.94	46	44	6.8	6.6	6.0	1.0	9.4	78
MAR											
12...	0600	81341	16.71	56	54	6.7	6.6	7.0	-5.0	9.1	76
APR											
16...	0500	81341	14.21	71	69	6.9	6.8	16.0	14.0	8.6	90
MAY											
07...	0500	81341	15.32	65	63	7.0	6.8	17.0	17.0	8.6	92
JUN											
16...	0500	81341	13.04	103	98	6.9	7.1	26.0	20.0	5.5	70
JUL											
01...	0500	81341	12.67	117	115	6.8	7.0	28.0	22.0	4.1	54
30...	0500	81341	11.92	79	77	6.8	6.8	25.5	22.5	5.9	74
SEP											
10...	0500	81341	10.27	140	134	6.6	7.2	24.0	11.0	5.1	62

APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
OCT					
09...	81341	10	<1.0	23	22
NOV					
20...	81341	11	1.4	25	33
DEC					
10...	81341	7.0	1.0	23	14
JAN					
20...	81341	54	2.7	17	132
FEB					
06...	81341	78	1.8	10	88
MAR					
12...	81341	58	1.7	14	70
APR					
16...	81341	37	1.8	16	76
MAY					
07...	81341	19	<1.0	14	45
JUN					
16...	81341	7.0	<1.0	23	13
JUL					
01...	81341	9.0	<1.0	22	14
30...	81341	39	<1.0	18	56
SEP					
10...	81341	21	<1.0	22	8

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
09...	81341	2.34	<.030	--	.40	2.7	.060	2.0
NOV								
20...	81341	1.86	.080	.42	.50	2.4	.050	2.0
DEC								
10...	81341	1.59	.100	.30	.40	2.0	.040	2.0
JAN								
20...	81341	.740	.130	.77	.90	1.6	.090	3.0
FEB								
06...	81341	.360	.090	.51	.60	.96	.070	4.0
MAR								
12...	81341	.460	.060	.44	.50	.96	.040	3.0
APR								
16...	81341	.680	.070	.53	.60	1.3	.040	2.0
MAY								
07...	81341	.740	.030	.27	.30	1.0	.060	2.0
JUN								
16...	81341	1.22	<.030	--	.30	1.5	.050	2.0
JUL								
01...	81341	1.54	<.030	--	.40	1.9	.040	3.0
30...	81341	.920	.040	.36	.40	1.3	.100	4.0
SEP								
10...	81341	2.40	<.030	--	.40	2.8	.120	3.0

APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 09...	0500	81341	9.41	146	7.3	23.0	16.0	6.8	81	130
NOV 20...	1530	81341	10.73	136	7.3	12.0	18.5	10.0	94	130
DEC 02...	1230	81213	8.80	114	7.3	13.0	15.5	9.2	89	20
10...	0600	81341	9.15	122	7.3	11.0	9.0	10.2	96	20
17...	0840	81213	9.13	128	7.3	9.5	-1.5	10.2	91	130
JAN 08...	0600	81213	17.41	71	6.9	15.0	16.0	9.1	94	2400
20...	0600	81341	13.43	80	6.9	7.0	-1.0	8.6	72	4600
29...	0600	81213	14.18	59	7.1	7.0	-1.0	9.1	77	270
FEB 06...	0600	81341	21.94	46	6.8	6.0	1.0	9.4	78	2800
APR 16...	0500	81341	14.21	71	6.9	16.0	14.0	8.6	90	1300
22...	0500	81213	14.31	80	6.9	17.0	13.0	8.3	88	1300
29...	0500	81213	13.61	77	7.0	16.0	13.0	8.4	86	2200
MAY 07...	0500	81341	15.32	65	7.0	17.0	17.0	8.6	92	130
JUL 01...	0500	81341	12.67	117	6.8	28.0	22.0	4.1	54	80
06...	0500	81213	12.54	90	6.8	25.0	20.0	5.7	71	<20
13...	0500	81213	12.14	90	6.9	25.0	24.0	5.7	71	<20
30...	0500	81341	11.92	79	6.8	25.5	22.5	5.9	74	790

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAR 02...	1445	81213	12.65	58	6.9	11.8	11.5	9.5	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	MAGNE- ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
MAR 02...	81213	4.0	1.4	<1.0	<2.0	<5	1.5	2.4

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAR 02...	81213	2.6	<2.0	<1	<1.0	<2.0	13

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.

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

DRAINAGE AREA.--127 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

REVISED RECORDS.--WDR GA-90-1: 1979(M).

GAGE.--Water-stage recorder. Datum of gage is 634.68 ft above sea level.

REMARKS.--Records good to fair, except for the period of estimated daily discharge, which are fair. Daily water temperature record available for water years 1979-84.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	1100	1,990	9.32	Feb. 4	2000	2,840	10.23
Dec. 25	0600	3,380	10.81	Mar. 9	--	unknown	unknown

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	345	185	193	193	e350	e220	219	202	47	87	47
2	69	330	135	173	185	e270	e290	195	114	46	57	47
3	61	192	125	162	572	e260	e350	177	93	44	45	49
4	54	141	187	154	2400	e250	e600	287	84	42	38	56
5	51	122	180	148	1690	e380	e310	213	189	39	34	48
6	49	123	135	154	669	e590	e260	153	270	34	31	41
7	48	146	121	411	445	e1000	e230	150	160	32	28	38
8	46	130	117	731	346	e2000	e210	279	110	30	28	35
9	45	114	148	480	289	e3000	377	354	92	31	182	32
10	44	107	147	279	258	e1000	479	203	82	30	175	29
11	43	101	131	222	253	e600	254	186	76	28	83	28
12	42	100	120	196	255	e500	205	150	71	30	91	28
13	40	146	115	191	219	e390	184	132	67	45	79	27
14	39	241	145	198	203	e310	341	121	63	46	352	26
15	41	206	253	275	191	e290	970	120	61	38	750	24
16	41	147	197	343	247	e280	552	117	80	34	343	23
17	44	125	152	277	518	e270	350	114	99	50	309	22
18	45	115	134	220	655	e260	294	108	80	41	242	22
19	44	110	125	316	370	e250	338	104	86	32	368	22
20	41	104	118	343	282	e240	565	98	165	30	274	24
21	39	100	114	244	244	e230	359	94	117	81	155	39
22	44	121	195	252	251	e220	263	92	83	64	115	48
23	45	138	249	444	408	e220	231	87	72	45	94	41
24	51	108	1180	335	345	e210	209	81	63	37	83	33
25	92	97	2700	244	264	e210	191	78	57	45	74	28
26	494	93	909	207	e250	e210	175	75	54	46	67	25
27	1620	91	520	380	e500	e210	167	71	50	44	61	24
28	635	89	422	566	e580	e200	154	70	48	81	57	24
29	227	99	310	320	---	e200	144	68	46	78	54	40
30	150	222	270	247	---	e200	166	98	43	62	50	70
31	137	---	229	212	---	e190	---	263	---	68	47	---
TOTAL	4503	4303	10068	8917	13082	14790	9438	4557	2877	1400	4453	1040
MEAN	145	143	325	288	467	477	315	147	95.9	45.2	144	34.7
MAX	1620	345	2700	731	2400	3000	970	354	270	81	750	70
MIN	39	89	114	148	185	190	144	68	43	28	28	22
CFM	1.14	1.13	2.56	2.26	3.68	3.76	2.48	1.16	.76	.36	1.13	.27
IN.	1.32	1.26	2.95	2.61	3.83	4.33	2.76	1.33	.84	.41	1.30	.30

e Estimated

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	72.5	133	183	221	319	310	236	127	89.5	98.0	72.0	55.4
MAX	222	622	502	510	672	653	786	383	249	406	213	174
(WY)	1990	1993	1984	1990	1990	1990	1979	1991	1980	1994	1984	1994
MIN	14.1	25.2	65.8	67.2	117	104	70.6	46.8	12.3	4.18	8.49	7.92
(WY)	1982	1982	1989	1981	1989	1988	1986	1986	1988	1986	1988	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1979 - 1998			
ANNUAL TOTAL	75058				79428							
ANNUAL MEAN	206				218				159			
HIGHEST ANNUAL MEAN									241			
LOWEST ANNUAL MEAN									80.4			
HIGHEST DAILY MEAN	5360				3000				7740			
LOWEST DAILY MEAN	12				22				.24			
ANNUAL SEVEN-DAY MINIMUM	14				23				.64			
INSTANTANEOUS PEAK FLOW					unknown				10000			
INSTANTANEOUS PEAK STAGE					unknown				17.17			
ANNUAL RUNOFF (CFSM)	1.62				1.71				1.25			
ANNUAL RUNOFF (INCHES)	21.99				23.27				17.00			
10 PERCENT EXCEEDS	366				397				317			
50 PERCENT EXCEEDS	122				138				92			
90 PERCENT EXCEEDS	42				39				21			

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 09...	0545	81341	45	111	107	7.2	7.1	19.0	16.0	8.1	89
NOV 20...	1615	81341	102	80	83	7.1	7.1	8.5	15.2	10.2	89
DEC 10...	0640	81341	151	71	70	7.1	6.9	9.0	9.0	9.4	84
JAN 20...	0630	81341	382	55	53	6.9	6.9	5.0	-1.0	11.0	88
FEB 06...	0645	81341	736	39	38	6.7	6.8	5.0	1.0	11.3	91
MAR 12...	0630	81341	518	42	40	6.8	6.5	4.5	-5.0	11.2	87
APR 16...	0540	81341	678	46	46	6.6	6.5	17.0	15.5	9.0	96
MAY 07...	0530	81341	142	69	66	7.0	6.9	19.0	17.0	7.9	88
JUN 16...	0530	81341	67	115	110	6.9	7.0	24.0	20.0	6.1	75
JUL 01...	0545	81341	45	112	111	6.7	6.9	25.0	22.0	5.4	67
30...	0545	81341	64	108	105	6.9	6.9	25.0	22.5	5.4	67
SEP 10...	0545	81341	27	131	127	6.5	7.2	20.0	11.0	7.1	80

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 09...	81341	6.0	<1.0	26	9	.250	<.030	.030	2.0
NOV 20...	81341	6.0	1.2	18	2	.250	<.030	<.020	2.0
DEC 10...	81341	6.0	<1.0	19	6	.260	<.030	<.020	2.0
JAN 20...	81341	16	<1.0	13	11	.270	<.030	<.020	2.0
FEB 06...	81341	78	1.0	11	12	.180	.030	.040	2.0
MAR 12...	81341	25	1.2	11	7	.170	<.030	.020	2.0
APR 16...	81341	26	1.1	12	14	.140	<.030	.030	3.0
MAY 07...	81341	13	<1.0	19	12	.310	<.030	.030	2.0
JUN 16...	81341	12	<1.0	27	12	.330	<.030	.040	3.0
JUL 01...	81341	11	<1.0	27	12	.340	.040	.030	3.0
30...	81341	13	<1.0	24	14	.240	<.030	.040	3.0
SEP 10...	81341	10	<1.0	29	12	.310	<.030	.020	3.0

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 09...	0545	81341	45	111	7.2	19.0	16.0	8.1	89	330
NOV 20...	1615	81341	102	80	7.1	8.5	15.2	10.2	89	20
DEC 02...	1200	81213	134	74	7.0	10.0	14.5	9.2	83	<20
10...	0640	81341	151	71	7.1	9.0	9.0	9.4	84	230
17...	0920	81213	154	63	7.1	4.5	1.5	11.0	87	20
JAN 08...	0640	81213	728	51	6.5	15.0	16.0	8.6	88	790
20...	0630	81341	382	55	6.9	5.0	-1.0	11.0	88	490
29...	0640	81213	339	52	7.0	6.0	-1.0	11.2	92	130
FEB 06...	0645	81341	736	39	6.7	5.0	1.0	11.3	91	280
APR 16...	0540	81341	678	46	6.6	17.0	15.5	9.0	96	790
22...	0530	81213	273	59	6.8	15.0	11.0	9.4	96	170
29...	0530	81213	144	79	6.9	15.0	13.0	8.7	88	130
MAY 07...	0530	81341	142	69	7.0	19.0	17.0	7.9	88	490
JUL 01...	0545	81341	45	112	6.7	25.0	22.0	5.4	67	1300
06...	0550	81213	34	130	6.9	24.0	20.0	5.8	71	<20
13...	0545	81213	41	136	7.0	25.0	24.0	5.4	67	80
30...	0545	81341	64	108	6.9	25.0	22.5	5.4	67	490

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAR 02...	1330	81213	260	53	7.3	11.0	15.0	8.9	83

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	MAGNE- ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
MAR 02...	81213	4.0	1.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAR 02...	81213	<1.0	<2.0	<.1	<1.0	<2.0	3.0

APALACHICOLA RIVER BASIN

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA.

LOCATION.--Lat 33°04'42", long 85°06'39", Troup County, Hydrologic Unit 03130002, at the City of LaGrange water intake, 1.2 mi upstream from Yellowjacket Creek, and 5.3 mi northwest of LaGrange.

DRAINAGE AREA.--3,010 mi², approximately.

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

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Sidney Lanier (see "Lakes and Reservoirs in Apalachicola River Basin", station 02334400).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 09...	0715	81341	91	90	7.8	8.8	22.0	20.0	7.8	91
NOV 20...	1800	81341	111	114	7.3	7.1	11.5	12.5	8.6	80
DEC 10...	0800	81341	109	107	7.2	7.1	11.0	11.0	8.8	82
JAN 20...	0800	81341	75	72	7.0	7.0	6.0	-1.0	10.2	84
FEB 06...	0800	81341	46	44	6.8	6.8	6.0	1.0	10.0	83
MAR 12...	0800	81341	41	39	6.7	6.4	6.0	-5.0	10.3	83
APR 16...	0700	81341	61	60	6.9	6.8	17.0	18.0	8.5	90
MAY 07...	0700	81341	67	66	7.1	7.1	19.0	19.0	7.8	87
JUN 16...	0700	81341	81	81	7.3	7.4	26.0	20.0	5.7	72
JUL 01...	0700	81341	93	94	7.4	7.7	29.0	24.0	3.8	51
30...	0700	81341	92	91	7.4	7.7	27.0	22.5	4.1	53
SEP 10...	0700	81341	110	106	6.5	6.9	24.0	11.0	6.9	84

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)
OCT 09...	81341	4.0	1.5	19	6
NOV 20...	81341	8.0	<1.0	22	5
DEC 10...	81341	12	1.0	24	12
JAN 20...	81341	18	1.2	17	16
FEB 06...	81341	62	1.5	10	40
MAR 12...	81341	81	1.8	10	40
APR 16...	81341	42	1.2	15	33
MAY 07...	81341	15	1.4	16	11
JUN 16...	81341	3.0	1.6	18	4
JUL 01...	81341	4.0	2.1	18	4
30...	81341	3.0	1.3	21	3
SEP 10...	81341	4.0	1.1	21	6

APALACHICOLA RIVER BASIN

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 09...	81341	.830	<.030	--	.50	1.3	.040	4.0
NOV 20...	81341	1.20	.120	.28	.40	1.6	.030	2.0
DEC 10...	81341	1.19	.100	.30	.40	1.6	.030	2.0
JAN 20...	81341	.610	.200	.20	.40	1.0	.060	2.0
FEB 06...	81341	.360	.090	.51	.60	.96	.050	4.0
MAR 12...	81341	.300	.040	.56	.60	.90	.040	4.0
APR 16...	81341	.540	.040	.36	.40	.94	.040	2.0
MAY 07...	81341	.610	<.030	--	.30	.91	.050	2.0
JUN 16...	81341	.660	<.030	--	.40	1.1	.030	4.0
JUL 01...	81341	.720	.050	.65	.70	1.4	.040	4.0
SEP 30...	81341	.830	<.030	--	.60	1.4	.030	4.0
SEP 10...	81341	1.20	.070	.53	.60	1.8	.030	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 09...	0715	81341	91	7.8	22.0	20.0	7.8	91	<20
NOV 20...	1800	81341	111	7.3	11.5	12.5	8.6	80	<20
DEC 02...	1015	81213	98	7.1	11.0	11.0	8.1	75	<20
DEC 10...	0800	81341	109	7.2	11.0	11.0	8.8	82	50
DEC 17...	1030	81213	109	7.1	9.0	9.0	9.3	82	<20
JAN 08...	0800	81213	93	7.0	14.0	17.0	8.0	80	490
JAN 20...	0800	81341	75	7.0	6.0	-1.0	10.2	84	790
JAN 29...	0800	81213	79	7.0	7.0	-1.0	9.9	84	490
FEB 06...	0800	81341	46	6.8	6.0	1.0	10.0	83	7000
APR 16...	0700	81341	61	6.9	17.0	18.0	8.5	90	230
APR 22...	0700	81213	68	6.8	15.5	10.5	8.6	88	1100
APR 29...	0700	81213	68	6.9	16.0	15.0	8.3	85	80
MAY 07...	0700	81341	67	7.1	19.0	19.0	7.8	87	80
JUL 01...	0700	81341	93	7.4	29.0	24.0	3.8	51	<20
JUL 06...	0710	81213	94	7.3	28.0	22.0	4.0	52	<20
JUL 13...	0700	81213	96	7.4	28.0	24.0	3.9	51	<20
JUL 30...	0700	81341	92	7.4	27.0	22.5	4.1	53	<20

APALACHICOLA RIVER BASIN

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.

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

DRAINAGE AREA.--91.0 mi².

PERIOD OF RECORD.--April 1995 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 1978 to September 1982.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 09...	0630	81341	36	61	59	7.1	7.1	19.0	18.0	8.7	95
NOV 20...	1645	81341	74	54	57	7.1	6.9	9.5	17.0	10.3	92
DEC 10...	0710	81341	120	51	52	7.0	6.8	9.0	9.0	10.6	95
JAN 20...	0710	81341	245	43	43	6.8	6.8	6.0	-1.0	11.4	94
FEB 06...	0715	81341	550	34	33	6.5	6.5	6.0	1.0	11.5	95
MAR 12...	0715	81341	390	33	32	6.6	6.4	5.0	-5.0	11.7	92
APR 16...	0605	81341	500	38	36	6.6	6.5	16.0	17.5	9.1	95
MAY 07...	0600	81341	85	52	49	6.9	6.9	19.0	18.0	8.9	99
JUN 16...	0600	81341	42	60	54	6.9	7.0	24.0	20.0	6.0	74
JUL 01...	0615	81341	26	64	62	6.8	7.0	25.0	22.0	5.6	70
30...	0615	81341	37	58	56	6.8	6.8	24.5	22.5	5.8	71
SEP 10...	0615	81341	16	66	65	6.5	7.0	18.0	11.0	8.0	86

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 09...	81341	10	<1.0	22	20	.070	<.030	.030	2.0
NOV 20...	81341	8.0	<1.0	20	7	.100	<.030	<.020	2.0
DEC 10...	81341	13	1.0	19	15	.120	<.030	<.020	2.0
JAN 20...	81341	20	<1.0	15	23	.170	<.030	.020	2.0
FEB 06...	81341	34	1.1	9	33	.170	.030	<.020	2.0
MAR 12...	81341	39	1.2	11	24	.130	<.030	.020	2.0
APR 16...	81341	40	1.1	13	68	.110	<.030	<.020	3.0
MAY 07...	81341	20	<1.0	20	24	.180	<.030	.030	2.0
JUN 16...	81341	23	<1.0	25	28	.180	<.030	.040	3.0
JUL 01...	81341	17	<1.0	26	13	.160	.030	.020	3.0
30...	81341	23	<1.0	23	28	.140	.040	.030	3.0
SEP 10...	81341	11	<1.0	26	5	.120	<.030	<.020	2.0

APALACHICOLA RIVER BASIN

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 09...	0630	81341	36	61	7.1	19.0	18.0	8.7	95	230
NOV 20...	1645	81341	74	54	7.1	9.5	17.0	10.3	92	330
DEC 02...	1115	81213	88	54	7.0	10.5	12.0	9.8	89	230
10...	0710	81341	120	51	7.0	9.0	9.0	10.6	95	330
17...	0955	81213	122	49	7.0	5.0	4.0	11.8	94	170
JAN 08...	0715	81213	390	42	6.7	15.0	17.0	9.2	94	460
20...	0710	81341	245	43	6.8	6.0	-1.0	11.4	94	2300
29...	0715	81213	215	42	6.8	6.0	-1.0	11.4	94	50
FEB 06...	0715	81341	550	34	6.5	6.0	1.0	11.5	95	260
APR 16...	0605	81341	500	38	6.6	16.0	17.5	9.1	95	1300
22...	0600	81213	190	45	6.7	15.0	11.0	9.2	94	170
29...	0600	81213	94	50	6.8	15.0	13.5	9.2	93	80
MAY 07...	0600	81341	85	52	6.9	19.0	18.0	8.9	99	330
JUL 01...	0615	81341	26	64	6.8	25.0	22.0	5.6	70	220
06...	0620	81213	23	64	7.0	24.0	20.0	5.9	72	<20
13...	0615	81213	20	67	7.0	25.0	24.0	5.7	71	<20
30...	0615	81341	37	58	6.8	24.5	22.5	5.8	71	230

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAR 02...	1100	81213	175	42	6.8	10.3	13.0	9.9	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
MAR 02...	81213	3.1	1.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAR 02...	81213	<1.0	<2.0	<.1	<1.0	<2.0	2.7

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oseligee Creek at West Point, 1 mi upstream from bridge on U.S. Highway 29, 2.5 mi downstream from West Point Dam and at mile 198.9.

DRAINAGE AREA.--3,550 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1896 to current year. Gage-height records collected at site 0.8 mi downstream since 1899 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: 1920, drainage area. WSP 972: 1931-32. WSP 1504: 1912, 1916-17.

GAGE.--Water-stage recorder. Datum of gage is 551.67 ft above sea level. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft upstream at present datum.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are good to fair. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974 (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400 and 02339400).

AVERAGE DISCHARGE.--102 years, 5,632 ft³/s, 21.54 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1827, that of Dec. 10, 1919. Flood in 1886 reached a stage of 25.6 ft at former site and datum, from floodmarks, by National Weather Service, discharge, 92,800 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3550	1070	8450	11100	10400	13600	3220	5090	8550	6120	804	5980
2	4220	1050	7490	10700	10700	13900	3490	5050	8910	5920	808	5410
3	3870	4310	7940	10100	11500	13600	7160	4970	8600	6020	4790	5110
4	880	4330	8630	5270	15700	13600	9700	8140	8200	867	5440	3390
5	2220	5000	8100	6390	25300	13600	12100	8570	7040	845	5050	2400
6	3560	4920	1250	7450	31400	13600	12600	8350	933	7460	6090	744
7	5550	3410	1120	7660	28600	13800	11800	13100	921	7420	5750	3530
8	5860	2280	7280	8750	19700	27800	12000	10500	5540	6080	2140	5730
9	4790	2320	6780	9950	17700	47300	12400	10300	6570	5430	1480	4100
10	3920	5790	6430	9360	17700	45000	12900	12300	5550	6310	5460	4040
11	886	6040	6420	9130	18000	40500	12400	12200	5560	3440	6100	3720
12	886	6460	6520	9090	18100	30600	11700	12300	5840	3400	5080	735
13	2870	5580	1170	9110	18300	19700	10500	12200	839	6340	4810	2040
14	4510	7420	1970	9140	18500	17200	11500	11600	836	6450	4110	4120
15	4950	4820	6760	9640	18700	17200	13200	11200	5910	6050	1470	4750
16	4980	5340	6380	9720	8400	17300	12700	7390	5560	6050	782	5150
17	4650	7700	4810	9440	7420	17400	12000	5980	5570	6480	4100	3410
18	2290	8430	5780	8030	12500	17400	10600	6580	5520	797	6090	3430
19	2610	7980	6540	11600	11700	17600	11300	5660	5600	819	5670	1390
20	4310	8230	1250	9580	13700	17900	11300	3670	1090	4790	7370	1400
21	4330	8030	1180	11100	13500	18100	10900	3990	932	5040	7390	4760
22	5380	2580	6070	14100	13600	14700	11900	3660	5860	5060	765	3800
23	5080	2070	5920	13300	13800	14800	13200	948	6220	4750	760	3460
24	5460	6830	13500	12500	13300	9930	13100	2990	6200	5050	4420	4100
25	3380	9920	10500	9610	13400	7730	6550	4300	6850	1450	4990	e4040
26	3140	11500	12300	12300	13600	6760	6420	4630	6210	824	4680	e1350
27	5440	6900	12700	10000	14000	7430	12900	6900	853	4790	4720	e700
28	4240	9860	11100	11700	13900	1220	13400	8260	845	3820	6400	3370
29	3670	6360	13400	11600	---	1110	9210	8200	6120	5680	1420	4470
30	4000	6810	10100	11900	---	3830	5250	5010	6460	5730	2040	4590
31	2960	---	10100	10100	---	3830	---	5020	---	4790	5290	---
TOTAL	118442	173340	217940	309420	443120	518040	317400	229058	149689	144072	126269	105219
MEAN	3821	5778	7030	9981	15830	16710	10580	7389	4990	4647	4073	3507
MAX	5860	11500	13500	14100	31400	47300	13400	13100	8910	7460	7390	5980
MIN	880	1050	1120	5270	7420	1110	3220	948	836	797	760	700

e Estimated

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3751	4426	5445	6670	8187	8712	7759	5651	4565	4392	4371	3894
MAX	8536	10950	14880	14930	18980	19540	19940	13000	10250	10560	8890	7782
(WY)	1990	1993	1993	1972	1990	1990	1964	1964	1973	1994	1984	1994
MIN	948	1601	1592	1574	2766	1921	1961	1647	1807	1672	1068	1606
(WY)	1956	1956	1956	1956	1989	1988	1988	1985	1978	1988	1956	1986

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1956 - 1998

ANNUAL TOTAL	2263510		2852009									
ANNUAL MEAN	6201	†6333	7814	†7697							5638	†5710
HIGHEST ANNUAL MEAN											8501	1990
LOWEST ANNUAL MEAN											2644	1988
HIGHEST DAILY MEAN	43700	Mar 2	47300	Mar 9							80000	Feb 26 1961
LOWEST DAILY MEAN	845	Aug 23	700	Sep 27							516	Sep 12 1993
ANNUAL SEVEN-DAY MINIMUM	3040	Oct 28	2970	Sep 22							659	Sep 2 1957
INSTANTANEOUS PEAK FLOW			49600	Mar 9							94400	Feb 26 1961
INSTANTANEOUS PEAK STAGE			17.12	Mar 9							24.90	Feb 26 1961
ANNUAL RUNOFF (CFSM)	1.75	†1.78	2.20	†2.17							1.59	†1.61
ANNUAL RUNOFF (INCHES)	23.72	†24.23	29.89	†29.44							21.58	†21.84
10 PERCENT EXCEEDS	10500		13600								10400	
50 PERCENT EXCEEDS	5580		6210								4520	
90 PERCENT EXCEEDS	1250		1400								1030	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2851	3348	5834	7504	8716	9939	7878	5453	4409	4614	4072	2990
MAX	9510	15260	18590	23150	21600	32730	21840	12620	13980	19300	12980	11080
(WY)	1899	1949	1933	1925	1903	1929	1936	1920	1900	1916	1901	1898
MIN	488	1134	1964	2995	2304	2785	2930	1917	1491	1697	578	333
(WY)	1932	1932	1940	1934	1898	1898	1905	1941	1898	1925	1925	1925

SUMMARY STATISTICS WATER YEARS 1896 - 1955

ANNUAL MEAN	5625											
HIGHEST ANNUAL MEAN	10060				1920							
LOWEST ANNUAL MEAN	2882				1914							
HIGHEST DAILY MEAN	134000				Dec 10 1919							
LOWEST DAILY MEAN	224				Sep 12 1925							
ANNUAL SEVEN-DAY MINIMUM	248				Aug 29 1925							
INSTANTANEOUS PEAK FLOW	a 134000				Dec 10 1919							
INSTANTANEOUS PEAK STAGE	b 30.00				Dec 10 1919							
INSTANTANEOUS LOW FLOW	c 224				Sep 12 1925							
ANNUAL RUNOFF (CFSM)	1.58											
ANNUAL RUNOFF (INCHES)	21.53											
10 PERCENT EXCEEDS	10800											
50 PERCENT EXCEEDS	3840											
90 PERCENT EXCEEDS	1660											

† Adjusted for change in contents in Lake Sidney Lanier and West Point Lake.

a From rating curve extended above 80,000 ft³/s on basis of computation of peak flow over Langdale Dam.

b At site then in use; 29.25 ft at present site, from floodmarks.

c Gage height, 1.64 ft.

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.40	2.30	5.54	6.64	6.40	7.60	3.33	4.12	5.55	4.50	2.16	4.42
2	3.64	2.29	5.16	6.48	6.50	7.72	3.45	4.10	5.75	4.42	2.16	4.24
3	3.54	3.77	5.31	6.23	6.77	7.60	4.95	4.06	5.57	4.52	3.92	4.06
4	2.13	3.78	5.67	4.30	8.41	7.59	6.04	5.37	5.40	2.26	4.19	3.33
5	2.78	4.07	5.37	4.72	11.59	7.59	7.02	5.58	4.96	2.23	4.02	2.88
6	3.35	4.01	2.42	5.29	13.36	7.61	7.20	5.47	2.35	5.08	4.47	2.09
7	4.20	3.35	2.34	5.37	12.54	7.69	6.85	7.41	2.34	5.07	4.32	3.42
8	4.35	2.84	5.02	5.85	9.90	12.18	6.95	6.40	4.34	4.54	2.78	4.30
9	3.91	2.86	4.84	6.40	9.20	16.68	7.09	6.31	4.77	4.32	2.49	3.60
10	3.52	4.37	4.70	6.17	9.23	16.24	7.34	7.12	4.30	4.64	4.20	3.61
11	2.14	4.54	4.69	6.08	9.33	15.36	7.15	7.06	4.30	3.38	4.46	3.46
12	2.14	4.71	4.74	6.06	9.37	12.95	6.85	7.10	4.41	3.35	4.06	2.08
13	3.13	4.36	2.38	6.07	9.41	9.89	6.41	7.09	2.24	4.61	3.92	2.75
14	3.92	5.11	2.77	6.08	9.49	9.05	6.74	6.82	2.24	4.67	3.61	3.60
15	4.13	4.06	4.86	6.08	9.55	9.06	7.45	6.67	4.45	4.48	2.48	3.88
16	4.14	4.21	4.70	6.08	5.59	9.08	7.29	5.10	4.29	4.47	2.13	4.05
17	3.98	5.22	4.02	5.96	5.19	9.11	6.96	4.55	4.31	4.65	3.62	3.30
18	2.85	5.52	4.43	5.38	7.21	9.13	6.51	4.74	4.29	2.16	4.47	3.32
19	3.00	5.37	4.75	6.78	6.90	9.18	6.76	4.38	4.32	2.18	4.35	2.42
20	3.85	5.47	2.44	5.98	7.62	9.29	6.80	3.54	2.46	3.93	5.01	2.44
21	3.82	5.36	2.39	6.55	7.56	9.34	6.63	3.68	2.33	4.07	5.01	3.87
22	4.36	3.06	4.53	7.83	7.61	8.01	6.91	3.54	4.45	4.07	2.12	3.48
23	4.22	2.78	4.51	7.45	7.67	8.07	7.45	2.36	4.58	3.93	2.11	3.32
24	4.40	4.83	7.44	7.18	7.50	6.14	7.44	3.26	4.57	4.04	3.80	3.59
25	3.38	6.14	6.46	6.07	7.49	5.25	4.74	3.82	4.83	2.51	3.99	---
26	3.28	6.82	7.16	7.04	7.59	4.83	4.67	3.94	4.57	2.18	3.85	---
27	4.37	4.91	7.23	6.21	7.76	5.11	7.29	4.93	2.26	3.93	3.87	---
28	3.77	6.14	6.62	6.83	7.75	2.42	7.57	5.46	2.25	3.54	4.70	3.25
29	3.56	4.66	7.52	6.78	---	2.36	5.96	5.42	4.52	4.30	2.45	3.77
30	3.70	4.86	6.23	6.89	---	3.59	4.25	4.10	4.69	4.34	2.75	3.89
31	3.21	---	6.21	6.25	---	3.55	---	4.12	---	3.93	4.11	---
MEAN	3.55	4.39	4.92	6.23	8.37	8.36	6.40	5.08	4.06	3.88	3.60	---
MAX	4.40	6.82	7.52	7.83	13.36	16.68	7.57	7.41	5.75	5.08	5.01	---
MIN	2.13	2.29	2.34	4.30	5.19	2.36	3.33	2.36	2.24	2.16	2.11	---
CAL YR 1997	MEAN 4.53		MAX 16.00		MIN 2.12							

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.

LOCATION.--Lat 32°27'45", long 84°59'52", Muscogee County, Ga.-Russell County, Ala., Hydrologic Unit 03130003, on left bank at downstream side of Central of Georgia railway bridge at Columbus, 0.5 mi downstream from Eagle and Phenix Dam, 1.2 mi downstream from City Mills Dam, 2.6 mi downstream from North Highlands Dam, 3.3 mi downstream from Oliver Dam, 17.5 mi downstream from Bartlett's Ferry Dam, and at mile 159.9.

DRAINAGE AREA.--4,670 mi², approximately.

PERIOD OF RECORD.--August 1929 to current year. Records for December 1912, published in WSP 322, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1082: 1943(M). WDR GA-90-1: 1967(M), 1969(M), 1971-72(M). See also period of record.

GAGE.--Water-stage recorder. Datum of gage is 183.14 ft above sea level. Dec. 1-31, 1912, nonrecording gage at site 800 ft upstream at datum 2.0 ft higher, and Aug. 23, 1929, to Sept. 30, 1975, recording gage at present site, at datum 2.0 ft higher. Oct. 1, 1963, to Sept. 30, 1966, water-stage recorder at Walter F. George Reservoir, and since Oct. 1, 1966, water-stage recorder at Alabama State Docks used as auxiliary gage for this station.

REMARKS.--Records fair to poor. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1929. (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400, 02339400, and 02341000.) Records of chemical analyses for the period February 1968 to May 1972 are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1827, 198,000 ft³/s, Mar. 15, 1929, computation of flow at North Highlands Dam before redevelopment; maximum stage known, 53.2 ft, Mar. 16, 1929, datum in use prior to 1975.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3740	2620	9170	12400	12900	18700	4610	7150	9890	6720	2420	5930
2	3260	3930	9090	12700	12500	15500	5340	7060	9020	e4000	2350	6020
3	4390	5230	8870	11300	23900	16200	8310	6590	8340	e5000	4790	7140
4	1780	6400	8920	6960	34200	14400	8420	7610	10200	e3900	5230	2740
5	2700	5960	9570	8040	38400	15700	14500	11000	7840	3590	4850	2240
6	3920	5500	4820	9080	37500	16600	16500	8740	3180	5520	5700	2030
7	4740	4760	4130	11200	37800	17000	13900	15600	2280	5730	5550	4540
8	6590	2840	6670	16000	25900	52300	13300	12300	5770	7480	2370	4600
9	5550	3310	6980	13900	20900	68400	17100	10100	6870	5830	3140	4740
10	3870	6610	6840	12200	20300	57600	14100	12200	7570	6140	5910	5360
11	1860	7420	7340	11400	20700	45200	13900	11600	6870	5530	5150	2810
12	2020	6950	7400	10100	20500	44500	13800	14100	5880	4790	6460	1970
13	6430	7230	3070	10600	20000	24700	12900	13300	2330	6170	5740	2330
14	7580	8470	6180	9990	19600	17200	11300	13200	1960	5930	4960	3570
15	7790	9070	12900	12200	20400	22000	25100	12400	5100	6660	2370	3710
16	8080	6820	12200	13900	21400	21400	18800	8090	6870	7170	2580	4950
17	8450	6580	8470	10700	15200	22000	16800	7970	6490	6080	4730	4500
18	3060	6950	6770	10200	15200	19200	12500	8090	6460	3970	5140	3750
19	3860	6610	7280	13200	14900	19700	13800	6450	6320	4040	5980	2270
20	6270	6800	2790	13200	14300	20000	19800	4890	2530	4280	6470	2380
21	2740	4330	3300	11700	17600	19500	15200	5020	2220	4530	7540	4210
22	3550	3690	6150	16000	16400	19000	14200	2460	5940	5060	2920	6120
23	4470	3500	7320	16500	16900	16000	13900	2800	7310	4980	2400	4520
24	6480	6340	37900	16300	17300	15900	14300	3050	6900	5100	5330	4340
25	4320	9000	41000	14800	16500	8500	10400	4340	7360	2510	4970	4280
26	5490	11100	17300	13800	16600	8810	8680	5330	7310	2270	4660	2070
27	6250	7930	19500	14000	18600	9140	10800	6910	2000	4320	4620	2560
28	7250	9940	14300	13500	23000	5590	16700	9890	2250	4510	4980	4490
29	5700	8240	13800	13200	---	2340	12900	9250	5810	4890	2380	7760
30	5400	8060	13700	13100	---	5580	7120	5130	6880	6430	2240	6420
31	3470	---	9810	13200	---	6140	---	5300	---	5450	5630	---
TOTAL	151060	192190	333540	385370	589400	664800	398980	257920	175750	158580	139560	124350
MEAN	4873	6406	10760	12430	21050	21450	13300	8320	5858	5115	4502	4145
MAX	8450	11100	41000	16500	38400	68400	25100	15600	10200	7480	7540	7760
MIN	1780	2620	2790	6960	12500	2340	4610	2460	1960	2270	2240	1970

e Estimated

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3961	4875	6886	8953	10650	11800	10290	6667	5032	5108	4720	3969
MAX	10480	20100	20090	24030	24380	26140	30030	16020	10330	13470	11660	8369
(WY)	1990	1949	1933	1936	1990	1990	1964	1964	1973	1994	1984	1967
MIN	701	888	1826	1905	3119	3135	3196	2237	1384	1894	1384	938
(WY)	1955	1932	1940	1956	1989	1988	1986	1985	1941	1988	1956	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1929 - 1998	
ANNUAL TOTAL	2885680		3571500			
ANNUAL MEAN	7906	†8041	9785	†9920	6886	1990
HIGHEST ANNUAL MEAN					11050	1988
LOWEST ANNUAL MEAN					3507	1988
HIGHEST DAILY MEAN	52300	Mar 2	68400	Mar 9	120000	Feb 25 1961
LOWEST DAILY MEAN	1780	Oct 4	1780	Oct 4	480	Oct 31 1931
ANNUAL SEVEN-DAY MINIMUM	3500	Oct 1	3410	Sep 11	553	Oct 26 1931
INSTANTANEOUS PEAK FLOW			a75200	Mar 8	145000	Feb 26 1961
INSTANTANEOUS PEAK STAGE			34.18	Mar 9	b47.80	Feb 25 1961
INSTANTANEOUS LOW FLOW					294	c
ANNUAL RUNOFF (CFSM)	1.69	†1.72	2.10	†2.12	1.47	
ANNUAL RUNOFF (INCHES)	22.99	†23.38	28.45	†28.85	20.04	
10 PERCENT EXCEEDS	13400		18600		12600	
50 PERCENT EXCEEDS	6610		6960		5200	
90 PERCENT EXCEEDS	3070		2810		1890	

† Adjusted for change in contents in Lake Sidney Lanier, West Point Lake, and Lake Harding.

a Gage height, 31.97 ft.

b Datum then in use.

c October 23 and November 14, 1931.

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.28	4.57	9.29	10.17	10.51	13.56	6.42	8.18	8.45	7.42	5.85	6.49
2	3.94	5.39	9.06	10.33	10.27	11.96	6.86	8.24	8.03	---	5.81	6.46
3	4.67	6.11	8.57	9.56	14.93	12.19	8.28	8.17	7.46	---	6.73	7.28
4	3.19	6.70	8.76	7.63	20.53	11.42	8.42	8.69	8.65	---	6.89	5.23
5	3.77	6.62	8.87	8.10	21.58	11.71	11.20	9.85	7.39	5.13	6.82	5.03
6	4.51	6.66	6.75	9.03	20.65	12.33	12.16	9.14	5.45	5.91	7.24	5.06
7	4.91	6.34	6.18	10.07	20.58	12.73	11.04	12.01	5.06	5.81	7.18	6.13
8	5.95	5.78	7.03	13.11	16.51	24.16	10.76	11.14	6.56	6.74	6.06	6.33
9	5.38	5.86	7.21	11.94	14.44	33.52	12.64	9.67	7.02	5.81	6.21	6.25
10	4.54	7.01	7.30	10.85	13.71	31.89	11.44	10.48	7.49	5.96	7.12	6.51
11	3.47	7.39	7.56	10.21	13.98	26.01	11.15	10.37	7.25	5.49	6.84	5.54
12	3.47	7.42	7.74	9.39	13.99	23.86	10.99	11.22	6.87	5.02	7.14	5.26
13	5.83	7.95	5.94	9.34	13.69	17.60	10.43	10.78	5.48	5.78	6.86	5.33
14	6.66	8.90	7.24	8.90	13.50	13.01	9.65	10.73	5.35	5.69	6.53	5.73
15	6.83	9.16	11.67	9.87	13.76	14.53	16.23	10.42	6.54	6.01	5.46	5.91
16	6.93	7.86	11.14	11.30	14.53	14.29	13.88	8.63	7.21	6.46	5.47	6.29
17	7.21	7.45	9.37	9.59	13.00	14.67	12.59	8.55	7.11	6.01	6.34	6.16
18	4.18	7.40	8.18	9.09	12.48	13.44	10.80	8.75	7.05	5.01	6.33	5.90
19	4.31	7.06	8.16	10.58	12.10	13.80	11.39	8.13	7.07	5.18	6.62	5.28
20	5.69	7.09	6.11	10.62	11.40	14.08	14.02	7.64	5.52	5.41	6.68	5.40
21	3.61	6.05	5.99	9.83	12.68	13.69	11.89	7.60	5.46	5.41	6.98	6.30
22	3.83	6.13	7.01	11.78	12.35	13.41	11.47	6.55	7.03	5.72	5.32	7.11
23	4.38	5.98	7.82	12.47	12.98	12.10	11.16	6.32	7.43	5.74	4.92	6.54
24	5.65	7.08	20.00	12.14	12.87	12.04	11.23	6.38	7.49	5.77	6.19	6.50
25	4.31	8.12	25.10	11.66	12.38	8.69	9.28	6.95	7.74	4.88	6.09	6.58
26	5.21	9.27	15.64	11.11	12.34	8.33	8.15	7.22	7.85	4.82	5.94	5.78
27	5.95	7.78	14.46	11.39	13.27	8.36	9.17	7.71	6.09	5.66	5.92	5.90
28	6.63	8.76	11.88	11.16	15.26	6.83	11.92	8.90	6.09	6.03	6.16	6.55
29	5.65	8.14	11.32	10.90	---	5.51	10.55	8.50	7.33	6.15	4.95	8.28
30	5.61	8.93	11.18	10.76	---	6.69	8.26	6.52	7.64	7.16	4.84	8.34
31	4.86	---	9.21	10.74	---	6.91	---	6.11	---	6.93	6.40	---
MEAN	5.01	7.17	9.73	10.44	14.30	14.30	10.78	8.70	6.91	---	6.25	6.18
MAX	7.21	9.27	25.10	13.11	21.58	33.52	16.23	12.01	8.65	---	7.24	8.34
MIN	3.19	4.57	5.94	7.63	10.27	5.51	6.42	6.11	5.06	---	4.84	5.03

APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA.

LOCATION.--Lat 32°24'48", long 84°49'12", Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2 mi downstream from Randall Creek, 2 mi upstream from Ochillee Creek, 8 mi southeast of Columbus, and 12 mi upstream from mouth.

DRAINAGE AREA.--342 mi².

PERIOD OF RECORD.--April 1968 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 230 ft above sea level (from topographic map).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 15	0630	4,990	11.73	Feb. 4	1100	5,220	11.98
Dec. 24	1630	9,770	16.20	Feb. 17	0845	4,410	11.08
Jan. 8	0215	4,900	11.63	Mar. 8	2230	*16,700	*20.70

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	260	1130	850	672	1100	638	561	293	135	189	137
2	138	701	727	785	674	929	685	462	236	138	178	141
3	133	594	570	751	2800	840	631	418	207	160	160	231
4	131	375	918	728	4620	787	669	469	198	174	146	312
5	130	271	764	721	2640	809	571	415	209	175	139	283
6	128	242	600	1650	1590	1220	508	366	367	152	136	204
7	128	264	505	1910	1240	1590	472	443	389	140	132	173
8	127	263	471	3480	1080	8320	548	461	308	136	132	161
9	126	236	566	1830	972	12500	1120	425	243	157	137	152
10	126	220	634	1240	895	3460	819	376	223	161	202	145
11	122	211	642	1020	925	2030	593	337	212	148	249	143
12	119	234	748	905	954	1590	500	313	204	152	250	144
13	117	826	691	849	850	1380	459	295	198	246	392	148
14	115	1520	1290	822	777	1250	621	286	193	273	389	146
15	114	1150	4060	1180	721	1150	2050	269	189	240	378	142
16	121	665	2170	1880	1510	1080	1310	259	187	272	354	140
17	128	461	1280	1350	3590	1010	870	253	180	236	337	139
18	130	384	963	1020	2230	977	841	246	169	196	276	141
19	131	356	823	1200	1410	1030	913	237	204	174	233	148
20	126	337	742	1160	1130	983	976	231	308	161	206	168
21	122	333	695	940	990	884	751	223	281	198	186	238
22	123	1250	953	926	1140	807	613	217	216	187	169	268
23	125	1050	1050	1320	1990	752	530	215	183	180	159	210
24	194	708	6770	1060	1430	718	488	213	168	170	155	184
25	342	515	6470	865	1120	686	465	210	160	182	152	166
26	528	440	2350	769	967	658	438	205	168	181	146	154
27	749	405	1820	1330	1590	636	416	201	161	170	141	151
28	488	383	1520	1170	1430	616	402	198	152	183	134	152
29	305	447	1250	915	---	593	398	196	146	188	131	240
30	224	1400	1110	807	---	567	503	240	143	185	129	1310
31	197	---	965	726	---	550	---	324	---	189	135	---
TOTAL	5936	16501	45247	36159	41937	51502	20798	9564	6495	5639	6252	6471
MEAN	191	550	1460	1166	1498	1661	693	309	217	182	202	216
MAX	749	1520	6770	3480	4620	12500	2050	561	389	273	392	1310
MIN	114	211	471	721	672	550	398	196	143	135	129	137
CFSM	.56	1.61	4.27	3.41	4.38	4.86	2.03	.90	.63	.53	.59	.63
IN.	.65	1.79	4.92	3.93	4.56	5.60	2.26	1.04	.71	.61	.68	.70

APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	200	292	474	676	811	1021	694	359	257	279	252	195
MAX	479	986	1460	1170	1498	3678	1513	858	524	1315	624	409
(WY)	1995	1993	1998	1975	1998	1990	1973	1978	1975	1994	1971	1971
MIN	103	144	164	189	261	336	239	151	98.9	92.9	107	113
(WY)	1988	1970	1989	1981	1989	1985	1985	1986	1988	1986	1988	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1968 - 1998			
ANNUAL TOTAL	178955				252501							
ANNUAL MEAN	490				692				459			
HIGHEST ANNUAL MEAN									750			
LOWEST ANNUAL MEAN									243			
HIGHEST DAILY MEAN	6770				Dec 24				31600			
LOWEST DAILY MEAN	94				Sep 8				74			
ANNUAL SEVEN-DAY MINIMUM	99				Sep 4				75			
INSTANTANEOUS PEAK FLOW					16700				Mar 8			
INSTANTANEOUS PEAK STAGE					20.70				Mar 8			
INSTANTANEOUS LOW FLOW					112				Oct 15			
ANNUAL RUNOFF (CFSM)	1.43				2.02				1.34			
ANNUAL RUNOFF (INCHES)	19.47				27.47				18.25			
10 PERCENT EXCEEDS	975				1320				881			
50 PERCENT EXCEEDS	305				383				277			
90 PERCENT EXCEEDS	124				140				136			

a From rating curve extended above 36,000 ft³/s and flow-over-road measurement of peak flow.

b From floodmarks.

c July 16 and Aug 7, 1986.

APALACHICOLA RIVER BASIN

02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA.

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

DRAINAGE AREA.--6060 mi².

PERIOD OF RECORD.--January 1997 to September 1997.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 09...	0400	81341	16.44	125	122	7.1	7.2	24.0	23.0	7.1	85
NOV 20...	2050	81341	17.96	92	94	7.2	7.0	12.5	12.5	9.8	92
DEC 10...	0500	81341	18.55	89	87	6.9	6.9	12.0	15.0	9.9	93
JAN 20...	0500	81341	19.26	68	65	6.9	7.0	9.5	2.0	9.8	86
FEB 06...	0500	81341	19.83	55	51	7.0	6.8	8.0	3.0	9.7	83
MAR 12...	0500	81341	20.07	48	45	6.8	6.6	10.0	.0	9.7	85
APR 16...	0400	81341	19.84	54	51	6.8	6.7	18.0	18.0	8.9	95
MAY 07...	0400	81341	17.46	--	68	7.0	6.8	21.0	18.0	8.0	--
JUN 16...	0400	81341	19.93	76	73	6.9	7.0	28.0	27.0	6.0	78
JUL 01...	0400	81341	19.90	77	76	6.7	6.9	29.5	27.5	4.8	64
30...	0400	81341	19.58	92	89	6.8	6.9	28.5	25.0	5.4	70
SEP 10...	0400	81341	19.46	96	91	6.5	6.9	27.0	20.0	5.2	66

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)
OCT 09...	81341	10	5.0	<1.0	24
NOV 20...	81341	30	12	<1.0	20
DEC 10...	81341	15	11	1.0	17
JAN 20...	81341	50	15	1.4	15
FEB 06...	81341	75	36	1.0	12
MAR 12...	81341	100	44	1.6	14
APR 16...	81341	40	44	1.2	11
MAY 07...	81341	40	20	<1.0	16
JUN 16...	81341	20	4.0	1.1	19
JUL 01...	81341	5	6.0	1.2	17
30...	81341	20	5.0	<1.0	23
SEP 10...	81341	20	6.0	<1.0	20

APALACHICOLA RIVER BASIN

02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 09...	81341	.500	.050	.35	.40	.90	.040	3.0
NOV 20...	81341	.580	.060	.24	.30	.88	.040	3.0
DEC 10...	81341	.560	.040	.26	.30	.86	.020	3.0
JAN 20...	81341	.480	.060	.24	.30	.78	.020	3.0
FEB 06...	81341	.350	.060	.34	.40	.75	.030	3.0
MAR 12...	81341	.320	<.030	--	.40	.72	.040	3.0
APR 16...	81341	.320	.050	.35	.40	.72	.030	3.0
MAY 07...	81341	.420	.080	.22	.30	.72	.050	3.0
JUN 16...	81341	.380	<.030	--	.30	.68	.040	3.0
JUL 01...	81341	.340	.070	.33	.40	.74	.030	3.0
30...	81341	.310	.040	.26	.30	.61	.030	3.0
SEP 10...	81341	.280	.050	.35	.40	.68	.040	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 09...	0400	81341	16.44	125	7.1	24.0	23.0	7.1	85	<20
NOV 20...	2050	81341	17.96	92	7.2	12.5	12.5	9.8	92	4900
DEC 02...	0800	81213	19.30	74	7.0	13.5	4.0	9.1	87	1300
10...	0500	81341	18.55	89	6.9	12.0	15.0	9.9	93	4900
17...	1515	81213	19.24	67	7.0	9.0	15.5	11.0	96	1100
JAN 08...	0500	81213	19.29	70	6.7	13.5	17.0	9.0	88	170
20...	0500	81341	19.26	68	6.9	9.5	2.0	9.8	86	140
29...	0500	81213	19.24	67	7.1	10.0	5.0	9.4	84	220
FEB 06...	0500	81341	19.83	55	7.0	8.0	3.0	9.7	83	790
APR 16...	0400	81341	19.84	54	6.8	18.0	18.0	8.9	95	1300
22...	0400	81213	19.96	73	6.8	17.0	17.0	8.4	88	1400
29...	0400	81213	19.46	60	6.9	18.0	17.0	8.7	92	1100
MAY 07...	0400	81341	17.46	--	7.0	21.0	18.0	8.0	--	170
JUL 01...	0400	81341	19.90	77	6.7	29.5	27.5	4.8	64	80
06...	0400	81213	19.97	75	6.7	27.5	27.0	6.2	79	<20
13...	0400	81213	19.93	75	6.7	27.5	29.0	6.2	79	<20
30...	0400	81341	19.58	92	6.8	28.5	25.0	5.4	70	<20

APALACHICOLA RIVER BASIN

02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	1135	81213	15.21	127	7.3	24.7	27.0	7.3	88
APR 16...	1445	81213	19.31	52	7.1	17.4	30.0	9.4	99

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 15...	81213	5.9	2.0	<1.0	<2.0	<.5	<1.0	1.2
APR 16...	81213	3.7	1.2	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 15...	81213	<1.0	<2.0	<.1	<1.0	<2.0	9.0
APR 16...	81213	1.2	<2.0	<.1	<1.0	2.5	7.8

APALACHICOLA RIVER BASIN

0234296910 CHATTAHOOCHEE RIVER AT COAST GUARD DOCK AT EUFAULA, ALA.

LOCATION.--Lat 31°54'29", long 85°08'42", in SE 1/4 sec. 29, T. 11 W., R. 29 E., Barbour County, Hydrologic Unit 03130003, at Coast Guard Dock near mouth of Chewalla Creek, 1 mi north of Eufaula, and at mile 97.8.

DRAINAGE AREA.--6,730 mi².

PERIOD OF RECORD.--April 1967 to current year (elevations only). October 1989 to current year in reports of the U.S. Geological Survey. April 1967 to September 1989 in files of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Gage is in pool of Walter F. George Lake formed by dam at mile 75.0.

EXTREMES (at 0700) FOR PERIOD SINCE OCTOBER 1989.--Maximum elevation, 195.6 ft, Mar. 18, 1990; minimum elevation, 184.52 ft, Nov. 20, 1993.

EXTREMES (at 0700) FOR CURRENT YEAR.--Maximum elevation, 193.42 ft, Mar. 10; minimum elevation, 184.90 ft, Oct. 23.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY OBSERVATION AT 0700 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185.87	187.07	189.53	188.47	188.91	189.60	188.46	189.59	187.79	188.90	188.83	187.79
2	185.93	187.38	189.27	188.36	188.75	189.53	188.79	189.70	187.78	188.66	188.87	187.72
3	185.94	187.66	188.94	188.39	189.21	189.27	189.03	189.80	187.70	188.34	188.86	188.03
4	186.02	187.84	188.73	188.75	189.99	189.02	189.14	190.10	187.63	188.04	188.92	187.97
5	186.06	188.09	188.51	188.78	190.05	188.69	189.20	190.04	187.74	187.76	188.95	187.86
6	186.14	188.25	188.55	189.09	189.73	188.52	189.29	190.03	187.90	187.52	189.04	188.00
7	186.12	188.32	188.35	189.44	189.28	188.85	189.24	190.12	188.02	187.29	189.10	188.13
8	186.18	188.47	187.92	189.90	189.26	190.02	188.91	190.62	188.00	187.06	189.12	188.20
9	186.27	188.47	187.89	190.08	188.87	192.50	189.57	190.13	188.08	186.92	188.97	188.13
10	186.35	188.44	188.06	190.02	188.83	193.42	189.91	189.90	188.19	186.90	188.88	188.21
11	186.32	188.42	188.17	189.71	188.81	192.79	189.57	189.61	188.36	186.76	188.73	188.28
12	186.23	188.40	188.40	189.28	188.80	191.41	189.21	189.57	188.43	186.65	188.60	188.25
13	186.08	189.02	188.69	188.76	188.77	190.92	188.78	189.35	188.45	186.63	188.53	188.23
14	186.13	189.36	188.69	188.28	188.70	190.01	188.93	189.19	188.35	186.60	188.42	188.21
15	186.36	189.42	189.27	187.94	188.60	189.51	189.37	189.50	188.25	186.54	188.43	188.19
16	186.39	189.21	189.81	188.17	188.90	189.58	190.18	189.58	188.29	186.65	188.36	188.21
17	186.38	188.69	189.75	188.44	189.80	189.70	189.80	189.70	188.32	186.96	188.29	188.28
18	186.40	188.39	189.38	188.36	190.00	189.72	189.87	189.90	188.35	187.05	188.19	188.30
19	186.10	188.15	189.06	188.23	189.65	189.79	189.88	189.85	188.34	187.10	188.00	188.21
20	185.89	187.98	188.83	188.58	189.34	189.81	190.05	189.78	188.49	187.25	187.94	188.22
21	185.60	187.84	188.63	188.61	189.14	189.73	190.03	189.68	188.49	187.22	187.85	188.47
22	185.43	188.22	188.42	188.46	188.98	189.72	189.71	189.58	188.48	187.23	187.81	188.56
23	185.12	188.43	188.57	188.74	189.20	189.58	189.40	189.35	188.60	187.27	187.79	188.71
24	184.90	188.22	189.34	189.13	189.32	189.37	189.05	189.25	188.70	187.39	187.78	188.79
25	185.07	188.09	190.91	189.33	189.28	189.21	188.85	189.20	188.87	187.67	187.85	188.83
26	185.37	188.11	191.20	189.35	189.10	188.90	188.58	189.05	189.13	187.75	187.75	188.85
27	185.99	188.23	190.27	189.09	189.08	188.57	188.44	188.87	189.28	187.81	187.75	188.81
28	186.20	188.21	189.56	189.31	189.38	188.48	188.79	188.86	189.18	187.87	187.78	188.81
29	186.48	188.21	189.37	189.30	---	188.54	189.18	188.76	189.08	188.06	187.81	188.90
30	186.74	189.49	189.11	189.20	---	188.48	189.59	188.50	189.00	188.35	187.72	189.45
31	186.89	---	188.74	189.07	---	188.47	---	188.05	---	188.58	187.65	---
MEAN	186.03	188.34	189.03	188.92	189.20	189.73	189.29	189.52	188.38	187.44	188.34	188.35
MAX	186.89	189.49	191.20	190.08	190.05	193.42	190.18	190.62	189.28	188.90	189.12	189.45
MIN	184.90	187.07	187.89	187.94	188.60	188.47	188.44	188.05	187.63	186.54	187.65	187.72
CAL YR 1997	MEAN 188.23		MAX 191.20		MIN 184.83							
WTR YR 1998	MEAN 188.54		MAX 193.42		MIN 184.90							

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.

LOCATION.--Lat 31°15'33", long 85°06'37", Early County, Ga.-Houston County, Ala., Hydrologic Unit 03130004, at left end of George W. Andrews Lock and Dam, 1.3 mi downstream from Omusee Creek, 2.3 mi south of Columbia, Ala., and at mile 46.5.

DRAINAGE AREA.--8,210 mi², approximately.

PERIOD OF RECORD.--October 1975 to current year.

GAGE.--Gate-opening and water-stage recorders. Datum of headwater gage and tailwater gage is sea level.

REMARKS.--Records good to fair. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Lake, and George W. Andrews Reservoir (See "Lakes and Reservoir in Apalachicola River Basin," stations 02334400, 02339400, 02341000, and 02343240). No adjustments made for George W. Andrews Reservoir's annual change in contents, which is insignificant.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 1929, thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, Al., 2.4 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3590	1130	29100	22500	21900	27700	8480	9960	12100	12100	4290	7050
2	3540	1090	27400	20800	20600	28100	6760	9280	13000	11800	3750	6590
3	3110	3710	21500	10600	27300	27100	12100	8590	11000	12500	4110	18500
4	1820	4200	20100	8900	67000	27000	9950	13400	9010	9430	5660	10900
5	1530	4200	17700	10500	70300	27400	20300	19300	7170	8980	3830	2270
6	4640	3930	13500	15900	63100	30200	18700	14800	2220	11000	4770	1600
7	4820	4130	13500	20300	53700	34100	19100	14800	4760	11000	5900	3840
8	5290	3350	11200	34300	38300	e81900	19900	18200	6450	11200	6090	6520
9	4880	3820	11400	28800	34500	e138000	18100	29900	5810	13600	6380	4690
10	4560	8110	11900	27600	27100	e83500	22700	20100	4440	13900	9850	4180
11	4190	7630	10300	27500	27100	e79600	27200	20800	5660	9500	9530	4100
12	5310	7640	12500	27000	27200	e107000	27000	17300	5790	8840	10500	2930
13	6010	19000	10000	27400	27000	68600	21100	20900	4950	10600	9510	3540
14	5440	18100	9280	27500	26600	48900	20500	13300	4030	11400	7220	4270
15	6920	21300	15300	24300	26400	32000	19300	13000	5010	8110	6650	4280
16	8800	19800	20000	23400	23900	29000	31500	9030	6700	4310	7200	5880
17	8710	16700	22200	21400	34900	28600	34800	6000	6940	4370	9060	4290
18	9000	15400	20900	20700	39000	28600	27100	10700	6610	5180	9970	6010
19	8860	13600	20000	20300	36600	30400	27600	8640	4470	2690	10100	3090
20	8710	11800	11600	19400	27800	28600	32200	9010	3210	5440	9950	2920
21	8220	10100	9980	20100	27200	28500	31900	8190	3620	5120	8810	5670
22	10400	10100	10200	21300	27900	28200	27700	8350	5050	5260	2940	5470
23	8830	12600	10800	24000	29300	27600	26200	5880	4960	3770	3030	4380
24	10200	13900	29900	20800	28500	27700	26500	5520	4770	3330	4150	4530
25	8060	13800	73400	20200	28000	22200	21300	7590	5760	2350	6860	4600
26	8700	13900	74900	20700	27300	19800	18700	8760	4740	1910	5500	3710
27	7610	9760	56500	27200	29100	20600	8490	11000	4700	3920	4310	4120
28	5300	12400	37300	21200	28700	7870	13800	12700	4350	3180	4820	8070
29	4100	11600	27900	22100	---	7710	8770	14600	8390	3780	4550	16700
30	3980	31600	27700	22700	---	13300	10600	16100	8520	4050	3840	57500
31	3490	---	27600	21000	---	9530	---	13000	---	4130	4580	---
TOTAL	188620	328400	715560	680400	946300	1199310	618350	398700	184190	226750	197710	222200
MEAN	6085	10950	23080	21950	33800	38690	20610	12860	6140	7315	6378	7407
MAX	10400	31600	74900	34300	70300	138000	34800	29900	13000	13900	10500	57500
MIN	1530	1090	9280	8900	20600	7710	6760	5520	2220	1910	2940	1600

e Estimated

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6772	8462	11830	14390	18060	20570	14410	10200	7521	8489	7376	6676
MAX	16730	23290	24660	31670	33800	45900	33400	19950	13590	38070	14550	11630
(WY)	1976	1993	1993	1978	1998	1990	1979	1980	1976	1994	1984	1994
MIN	2385	2998	4032	4726	4856	7227	5384	4544	3953	2425	2045	2265
(WY)	1987	1982	1982	1981	1989	1981	1986	1985	1986	1988	1988	1986

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1976 - 1998	
ANNUAL TOTAL	4505970		5906490		11200	
ANNUAL MEAN	12350		16180		16180	
HIGHEST ANNUAL MEAN	†12560		†16250		1998	
LOWEST ANNUAL MEAN					5718	
HIGHEST DAILY MEAN	74900		138000		195000	
LOWEST DAILY MEAN	1070		1090		a.00	
ANNUAL SEVEN-DAY MINIMUM	2840		3100		1640	
INSTANTANEOUS PEAK FLOW			144000		202000	
INSTANTANEOUS PEAK HEADWATER STAGE			118.26		123.98	
INSTANTANEOUS PEAK TAILWATER STAGE			118.20			
ANNUAL RUNOFF (CFSM)	1.50		1.97		1.36	
ANNUAL RUNOFF (INCHES)	20.42		26.76		18.54	
10 PERCENT EXCEEDS	24300		29000		22200	
50 PERCENT EXCEEDS	9880		10700		8850	
90 PERCENT EXCEEDS	4520		3960		1660	

† Adjusted for change in contents in Lake Sidney Lanier, West Point Lake, Lake Harding and Walter F. George Lake.

a Except for an undetermined amount of leakage and due to non-typical operation pattern.

APALACHICOLA RIVER BASIN

02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA.

LOCATION.--Lat 30°58'39", long 85°00'19", Seminole County, Ga.-Jackson County, Fla., Hydrologic Unit 03130004, at Herman E. Talmadge Bridge on State Highway 91, 2 mi northwest of Steam Mill, and at mile 23.7.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 29...	1035	81341	92	89	7.1	7.3	20.0	16.0	8.5	93
NOV 19...	1030	81341	104	101	7.4	7.4	14.0	12.0	10.6	102
DEC 10...	1010	81341	106	101	7.2	7.3	13.5	22.5	10.6	103
JAN 26...	0940	81341	73	70	6.8	7.1	11.2	9.5	10.8	98
FEB 23...	1015	81341	65	67	7.5	6.9	12.7	14.0	10.3	99
MAR 24...	1000	81341	77	--	6.9	6.9	13.5	18.5	9.4	90
30...	0930	81341	90	85	7.4	7.1	16.8	24.0	9.4	97
MAY 27...	0900	81341	83	76	--	6.9	25.4	33.0	6.9	84
JUN 24...	0845	81341	88	90	6.8	6.9	29.2	29.0	6.6	86
JUL 01...	0800	81341	100	99	6.7	7.0	29.5	29.5	6.4	84
AUG 06...	0830	81341	105	102	--	6.9	29.3	27.0	6.6	86
SEP 02...	0900	81341	117	114	6.8	7.2	26.9	23.5	4.8	60

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
OCT 29...	81341	15	18	1.7	22	8
NOV 19...	81341	5	4.0	<1.0	6	6
DEC 10...	81341	65	12	1.9	24	5
JAN 26...	81341	55	15	<1.0	17	8
FEB 23...	81341	60	18	1.2	18	10
MAR 24...	81341	90	28	1.0	16	12
30...	81341	80	34	1.6	28	56
MAY 27...	81341	35	9.0	<1.0	22	3
JUN 24...	81341	10	7.0	1.6	25	5
JUL 01...	81341	10	5.0	1.5	26	4
AUG 06...	81341	55	19	2.1	26	15
SEP 02...	81341	35	6.0	1.3	28	5

APALACHICOLA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 29...	81341	.380	<.030	--	.30	.68	.020	3.0
NOV 19...	81341	.430	<.030	--	.20	.63	<.020	2.0
DEC 10...	81341	.510	<.030	--	.40	.91	<.020	4.0
JAN 26...	81341	.500	.060	.24	.30	.80	<.020	4.0
FEB 23...	81341	.560	.040	.26	.30	.86	.060	3.0
MAR 24...	81341	.780	.130	.17	.30	1.1	.020	3.0
30...	81341	.800	.040	.46	.50	1.3	.080	3.0
MAY 27...	81341	.500	.040	.26	.30	.80	.030	3.0
JUN 24...	81341	.380	<.030	--	.40	.78	.030	3.0
JUL 01...	81341	.310	.040	.26	.30	.61	.030	4.0
AUG 06...	81341	.340	.030	.57	.60	.94	.050	5.0
SEP 02...	81341	.210	.040	.36	.40	.61	.040	5.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 29...	1035	81341	92	7.1	20.0	16.0	8.5	93	230
NOV 04...	1010	81213	147	7.3	19.5	12.0	6.9	75	<20
12...	1040	81213	132	7.3	16.0	13.5	9.4	95	20
19...	1030	81341	104	7.4	14.0	12.0	10.6	102	20
DEC 10...	1010	81341	106	7.2	13.5	22.5	10.6	103	40
FEB 23...	1015	81341	65	7.5	12.7	14.0	10.3	99	700
MAR 02...	1035	81213	84	7.0	15.0	15.0	9.4	93	80
09...	1215	81213	45	6.8	14.9	11.0	8.8	87	35000
24...	1000	81341	77	6.9	13.5	18.5	9.4	90	50
MAY 27...	0900	81341	83	--	25.4	33.0	6.9	84	40
JUN 01...	0930	81213	76	--	25.8	31.0	6.3	78	<20
08...	0925	81213	89	7.2	26.6	24.5	7.3	90	<20
24...	0845	81341	88	6.8	29.2	29.0	6.6	86	20
AUG 06...	0830	81341	105	--	29.3	27.0	6.6	86	130
10...	0900	81213	91	--	29.5	28.0	8.9	117	70
17...	0930	81213	88	6.9	29.7	28.0	7.0	91	70
SEP 02...	0900	81341	117	6.8	26.9	23.5	4.8	60	80

APALACHICOLA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 16...	0845	81213	133	7.5	24.6	18.0	6.8	82
APR 16...	0950	81213	61	7.4	18.6	30.0	9.2	99
MAY 01...	1115	81213	74	7.1	20.2	24.0	8.5	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 16...	81213	7.1	2.0	<1.0	<2.0	<.5	<1.0	<1.0
APR 16...	81213	6.0	1.0	<1.0	<2.0	<.5	<1.0	<1.0
MAY 01...	81213	7.4	1.1	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 16...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.8
APR 16...	81213	<1.0	<2.0	<.1	<1.0	2.4	7.2
MAY 01...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.1

APALACHICOLA RIVER BASIN

02344350 FLINT RIVER NEAR LOVEJOY, GA.

LOCATION.--Lat 33°24'56", long 84°23'05", Clayton County, Hydrologic Unit 03130005, at the downstream side of bridge on North Bridge Road (revised), 0.7 mi upstream from Shoal Creek, 4.4 mi southwest of Lovejoy, 4.7 mi southeast of Fayetteville, and at mile 325.7.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 758.75 ft above sea level (levels by Clayton County Water Authority).

REMARKS.--Records fair to good. Discharge affected by diversion by the Clayton County Water Authority.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0115	4,780	14.19	Feb. 4	2115	4,410	13.83
Dec. 25	0530	4,530	13.94	Mar. 9	0245	*7,740	*17.14
Jan. 8	1830	2,130	11.33	Aug. 10	0800	1,540	10.27

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	197	181	281	159	162	340	133	638	135	42	57	32
2	103	403	137	139	152	213	249	470	76	51	47	47
3	79	193	100	131	698	180	315	220	65	43	41	175
4	67	107	162	128	3540	163	1010	251	60	57	39	192
5	59	86	288	124	2790	236	681	331	190	66	35	69
6	53	82	128	123	770	850	238	170	505	46	33	40
7	49	118	87	270	382	1210	172	142	183	38	31	39
8	47	124	84	1460	285	3370	146	253	98	38	30	36
9	44	88	110	1140	239	5910	316	295	80	40	142	32
10	49	77	167	374	209	1540	785	177	72	41	1250	29
11	52	72	196	220	198	551	264	189	69	34	530	28
12	51	71	144	178	225	340	163	146	66	32	128	28
13	45	107	100	165	195	265	135	118	62	35	81	27
14	40	314	102	175	165	229	182	108	57	35	71	27
15	40	369	155	367	153	206	349	99	54	31	133	26
16	42	163	147	723	184	189	255	86	59	29	143	26
17	44	101	102	579	508	174	186	84	110	57	172	25
18	46	86	82	285	785	163	251	91	86	83	149	24
19	44	81	71	321	402	163	263	91	65	45	128	24
20	40	78	68	682	231	165	712	88	170	80	255	25
21	38	76	66	310	188	159	472	85	302	135	236	41
22	43	130	111	221	194	145	217	82	91	67	101	102
23	82	690	439	393	464	136	244	81	65	56	69	76
24	66	298	1430	428	582	135	185	81	57	60	53	43
25	165	122	3730	221	269	143	147	80	52	45	47	34
26	2670	96	1130	174	200	137	127	75	50	96	44	30
27	3650	87	447	399	429	129	117	68	46	89	41	29
28	1070	82	429	1080	845	124	111	96	43	284	39	28
29	309	84	295	456	---	121	110	87	40	654	38	42
30	152	172	216	232	---	118	247	88	38	199	35	159
31	114	---	186	185	---	114	---	238	---	73	34	---
TOTAL	9550	4738	11190	11842	15444	17918	8782	5108	3046	2681	4232	1535
MEAN	308	158	361	382	552	578	293	165	102	86.5	137	51.2
MAX	3650	690	3730	1460	3540	5910	1010	638	505	654	1250	192
MIN	38	71	66	123	152	114	110	68	38	29	30	24
CFSM	2.37	1.21	2.78	2.94	4.24	4.45	2.25	1.27	.78	.67	1.05	.39
IN.	2.73	1.36	3.20	3.39	4.42	5.13	2.51	1.46	.87	.77	1.21	.44

APALACHICOLA RIVER BASIN

02344350 FLINT RIVER NEAR LOVEJOY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	195	188	192	290	333	338	191	132	122	197	106	113
MAX	584	549	396	590	614	578	320	340	304	1147	275	300
(WY)	1996	1993	1993	1996	1990	1998	1989	1991	1989	1994	1992	1994
MIN	21.6	54.0	53.2	98.7	121	112	76.8	55.0	21.0	30.3	44.8	30.7
(WY)	1988	1988	1989	1986	1989	1988	1986	1992	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1985 - 1998			
ANNUAL TOTAL	89381				96066							
ANNUAL MEAN	245				263				200			
HIGHEST ANNUAL MEAN									294			
LOWEST ANNUAL MEAN									102			
HIGHEST DAILY MEAN	6660				5910				11000			
LOWEST DAILY MEAN	18				24				7.0			
ANNUAL SEVEN-DAY MINIMUM	21				25				10			
INSTANTANEOUS PEAK FLOW					7740				a19000			
INSTANTANEOUS PEAK STAGE					17.14				b23.60			
ANNUAL RUNOFF (CFSM)	1.88				2.02				1.54			
ANNUAL RUNOFF (INCHES)	25.58				27.49				20.88			
10 PERCENT EXCEEDS	483				485				394			
50 PERCENT EXCEEDS	108				128				96			
90 PERCENT EXCEEDS	39				39				32			

- a From rating curve extended above 7000 ft³/s on basis of slope-conveyance study.
b From floodmarks.

APALACHICOLA RIVER BASIN

02344400 FLINT RIVER ABOVE GRIFFIN, GA.

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

DRAINAGE AREA.--194 mi².

PERIOD OF RECORD.--July 1975 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE NUMBER (CODE 00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 08...	0400	81341	66	81	78	6.9	7.0	19.0	15.0	8.4	93
NOV 25...	0740	81341	420	59	59	6.7	6.5	8.5	-2.5	7.6	66
DEC 11...	0500	81341	290	73	69	6.9	6.9	8.0	4.0	10.3	90
JAN 21...	0500	81341	945	54	52	6.8	6.8	7.0	4.0	10.0	84
FEB 03...	0500	81341	550	57	56	6.8	7.0	8.0	8.0	9.0	79
MAR 05...	0500	81341	190	63	61	6.9	6.9	10.0	9.0	8.7	79
APR 21...	0400	81341	900	60	57	6.7	6.7	15.0	9.0	9.1	93
MAY 06...	0400	81341	445	64	58	6.8	6.7	17.0	12.0	8.5	91
JUN 03...	0400	81341	62	82	79	6.8	7.0	25.0	19.0	6.2	78
JUL 15...	0400	81341	11	91	88	7.1	7.1	26.0	22.0	5.6	71
SEP 03...	0400	81341	29	94	89	6.6	7.2	25.0	23.0	6.1	77
30...	0400	81341	25	91	82	6.7	7.0	22.5	21.0	6.2	74

DATE	AGENCY ANALYZING SAMPLE NUMBER (CODE 00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)
OCT 08...	81341	11	14	<1.0	25	6
NOV 25...	81341	22	21	1.9	17	8
DEC 11...	81341	9.0	22	<1.0	22	5
JAN 21...	81341	22	10	1.1	14	9
FEB 03...	81341	25	15	1.5	18	37
MAR 05...	81341	9.0	16	1.2	20	6
APR 21...	81341	26	23	1.6	20	15
MAY 06...	81341	18	17	<1.0	20	11
JUN 03...	81341	14	21	<1.0	25	7
JUL 15...	81341	11	24	<1.0	32	4
SEP 03...	81341	10	8	<1.0	31	5
30...	81341	12	10	<1.0	28	5

APALACHICOLA RIVER BASIN

02344400 FLINT RIVER ABOVE GRIFFIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 08...	81341	.250	<.030	--	.40	.65	.050	5.0
NOV 25...	81341	<.020	<.030	--	.40	--	.070	6.0
DEC 11...	81341	.220	<.030	--	.20	.42	.030	3.0
JAN 21...	81341	.240	<.030	--	.20	.44	.030	4.0
FEB 03...	81341	.250	.040	.36	.40	.65	.040	3.0
MAR 05...	81341	.200	.040	.16	.20	.40	.030	3.0
APR 21...	81341	.230	.090	.41	.50	.73	.070	6.0
MAY 06...	81341	.270	.070	.23	.30	.57	.060	4.0
JUN 03...	81341	.370	.060	.34	.40	.77	.070	5.0
JUL 15...	81341	.190	.040	.36	.40	.59	.050	4.0
SEP 03...	81341	.250	<.030	--	.20	.45	.050	3.0
30...	81341	.250	.060	.24	.30	.55	.060	4.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 08...	0400	81341	66	81	6.9	19.0	15.0	8.4	93	790
NOV 25...	0740	81341	420	59	6.7	8.5	-2.5	7.6	66	330
DEC 03...	0710	81213	200	70	6.9	11.0	9.5	8.0	74	20
11...	0500	81341	290	73	6.9	8.0	4.0	10.3	90	140
16...	0710	81213	220	67	7.1	5.5	-5.5	10.3	83	50
JAN 04...	0830	81213	190	70	6.9	7.0	7.0	10.5	88	50
21...	0500	81341	945	54	6.8	7.0	4.0	10.0	84	490
25...	0720	81213	560	57	6.8	6.0	-1.0	9.4	77	80
FEB 03...	0500	81341	550	57	6.8	8.0	8.0	9.0	79	7900
MAY 06...	0400	81341	445	64	6.8	17.0	12.0	8.5	91	230
11...	0400	81213	340	68	6.8	20.0	16.0	7.8	89	170
18...	0400	81213	76	80	6.9	23.0	19.0	7.1	85	140
JUN 03...	0400	81341	62	82	6.8	25.0	19.0	6.2	78	790
SEP 03...	0400	81341	29	94	6.6	25.0	23.0	6.1	77	330
15...	0500	81213	E7.0	93	6.8	22.0	19.0	6.3	74	230
22...	0400	81213	21	95	6.7	24.0	24.0	6.2	76	<20
30...	0400	81341	25	91	6.7	22.5	21.0	6.2	74	1100

APALACHICOLA RIVER BASIN

02344400 FLINT RIVER ABOVE GRIFFIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAR 04...	1315	81213	215	58	6.9	9.8	15.5	10.4	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
MAR 04...	81213	5.0	1.4	<1.0	<2.0	<.5	<1.0	7.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAR 04...	81213	1.0	<2.0	<.1	10	<2.0	7.4

APALACHICOLA RIVER BASIN

02344500 FLINT RIVER NEAR GRIFFIN, GA.

LOCATION.--Lat 33°14'39", long 84°25'45", Spalding County, Hydrologic Unit 03130005, at downstream side of bridge pier on State Highway 16, 1.5 mi downstream from Shoal Creek, 5.5 mi upstream from Line Creek, 10 mi west of Griffin, and at mile 304.4.

DRAINAGE AREA.--272 mi².

PERIOD OF RECORD.--March 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 711.44 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Aug. 25, 1938, nonrecording gage at present site at datum 3.00 ft higher. Aug. 25, 1938, to May 5, 1941, nonrecording gage, May 6, 1941, to Aug. 20, 1959, water-stage recorder, and Aug. 21, 1959 to Sept. 13, 1960, nonrecording gage, all at present site and datum.

REMARKS.--Records good. Some diurnal fluctuation at low flow. City of Griffin diverts approximately 8 ft³/s for municipal supply at pumping plant 6 mi upstream from gage. Approximately 1 ft³/s of the diversion discharged as sewage effluent into tributaries of Towaliga River, and approximately 3 ft³/s returned as sewage effluent to Flint River approximately 49 mi downstream. Records of chemical analyses for the water years 1968-69, 1971-72, are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14 or 15, 1929, reached a stage of 17.9 ft, present datum, from floodmarks located by local resident, discharge, 15,300 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	2000	5,030	13.25	Feb. 5	0500	5,390	13.39
Dec. 25	0200	5,400	13.40	Mar. 9	1900	*9,610	*15.62
Jan. 9	2400	2,300	11.00				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1340	350	433	358	382	1150	281	1210	220	44	115	41
2	577	413	451	311	338	805	330	1170	147	49	74	38
3	181	496	306	275	980	457	464	949	89	62	56	62
4	129	401	329	257	3610	376	762	916	71	66	49	197
5	106	239	389	251	5200	692	1450	624	106	94	44	200
6	89	205	430	253	3570	1930	1260	554	250	91	39	108
7	77	218	286	435	1640	2280	627	381	406	61	35	68
8	67	239	213	945	876	4930	416	547	246	48	32	56
9	61	249	310	1560	601	9180	725	793	128	42	30	48
10	56	206	344	1870	496	6850	576	622	98	37	128	43
11	54	182	370	890	456	2630	880	432	86	34	507	38
12	61	174	359	437	448	1290	632	363	76	32	812	30
13	61	307	300	385	425	839	342	294	70	31	226	28
14	55	621	287	386	381	647	697	247	62	28	125	28
15	48	621	371	542	332	554	1530	221	55	27	311	25
16	49	597	363	835	460	497	942	198	59	26	250	23
17	50	398	318	1070	899	448	658	172	79	37	227	21
18	45	259	252	1000	1020	412	492	168	103	44	234	20
19	44	223	216	841	1110	399	641	163	111	84	295	21
20	42	207	196	742	867	394	1070	152	193	111	193	24
21	38	191	191	844	492	378	997	143	219	106	275	33
22	39	205	272	705	426	354	979	134	275	128	246	45
23	47	260	378	672	708	325	555	123	123	78	132	93
24	99	522	2570	680	835	312	472	119	79	53	89	71
25	189	612	5150	696	909	318	389	119	62	60	65	42
26	708	277	4430	457	605	318	313	113	54	46	51	29
27	3590	215	2310	722	831	301	274	110	57	85	49	25
28	4020	197	1160	978	1020	284	248	101	51	165	50	29
29	1980	200	734	1300	---	279	243	120	51	269	45	42
30	919	385	589	1030	---	267	614	110	46	403	40	65
31	368	---	431	503	---	261	---	113	---	301	40	---
TOTAL	15189	9669	24738	22230	29917	40157	19859	11481	3672	2742	4864	1593
MEAN	490	322	798	717	1068	1295	662	370	122	88.5	157	53.1
MAX	4020	621	5150	1870	5200	9180	1530	1210	406	403	812	200
MIN	38	174	191	251	332	261	243	101	46	26	30	20
CFSM	1.80	1.18	2.93	2.64	3.93	4.76	2.43	1.36	.45	.33	.58	.20
IN.	2.08	1.32	3.38	3.04	4.09	5.49	2.72	1.57	.50	.38	.67	.22

APALACHICOLA RIVER BASIN

02344500 FLINT RIVER NEAR GRIFFIN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	168	252	372	524	627	714	534	303	227	252	167	123
MAX	863	1641	1009	1390	1880	1685	1466	795	928	2644	548	437
(WY)	1996	1949	1984	1946	1961	1971	1964	1978	1963	1994	1967	1994
MIN	6.01	45.6	93.2	107	163	174	105	73.7	11.9	12.4	39.0	11.2
(WY)	1955	1942	1961	1956	1941	1988	1986	1992	1988	1988	1986	1954
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1937 - 1998	
ANNUAL TOTAL	161550.2					186111						
ANNUAL MEAN	443					510					354	
HIGHEST ANNUAL MEAN											573	
LOWEST ANNUAL MEAN											145	
HIGHEST DAILY MEAN	7600					Mar 2					27000	
LOWEST DAILY MEAN	3.9					Sep 23					.79	
ANNUAL SEVEN-DAY MINIMUM	5.9					Sep 18					1.8	
INSTANTANEOUS PEAK FLOW						9180					Mar 9	
INSTANTANEOUS PEAK STAGE						20					Sep 18	
ANNUAL RUNOFF (CFSM)	1.63					23					Sep 14	
ANNUAL RUNOFF (INCHES)	22.09					9610					Mar 9	
10 PERCENT EXCEEDS	929					15.62					Mar 9	
50 PERCENT EXCEEDS	216					1.87					a32500	
90 PERCENT EXCEEDS	36					25.45					b24.22	
						998					1.30	
						269					17.67	
						43					732	
											191	
											58	

a From rating curve extended above 18,000 ft³/s on basis of velocity-area and flow-over-road measurement of peak flow.

b From floodmarks.

APALACHICOLA RIVER BASIN

02344700 LINE CREEK NEAR SENOIA, GA.

LOCATION.--Lat 33°19'10", long 84°31'25", Coweta-Fayette County line, Hydrologic Unit 03130005, on downstream side of bridge on State Highway 85, 2.2 mi northeast of Senoia, 4.1 mi upstream from Whitewater Creek, and 11.2 mi upstream from mouth.

DRAINAGE AREA.--101 mi², approximately.

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

REVISED RECORDS.--WDR GA-87-1: 1986 (m).

GAGE.--Water-stage recorder. Datum of gage is 729.5 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good to fair, except those for the periods of estimated daily discharge, which are fair. Low flow affected by withdrawals and return flow by several municipalities and by regulation of the water level of Lake Peachtree.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0400	2,240	10.46	Mar. 9	0100	*5,970	*13.27
Dec. 25	0400	2,720	11.02	May 9	0600	1,220	8.84
Feb. 4	2300	2,550	10.83				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	181	176	205	171	339	e140	467	e100	e37	71	27
2	71	204	122	192	174	281	e180	338	e80	e41	56	26
3	52	137	99	165	447	183	e220	215	e58	e50	44	27
4	42	98	154	141	1850	138	e320	325	e46	e54	39	30
5	37	79	156	132	1980	259	e520	279	e60	e60	36	28
6	34	75	117	132	861	715	e300	170	e110	e56	33	25
7	33	94	94	283	460	1050	220	149	e170	e41	31	24
8	34	92	86	628	377	2710	188	378	e110	e35	30	24
9	32	80	106	497	333	3860	272	1020	e82	e31	316	22
10	31	71	123	334	285	1380	555	429	e70	e29	640	19
11	30	66	125	281	267	589	328	291	e60	e27	289	18
12	29	65	106	262	265	358	197	203	e54	e26	104	18
13	29	100	89	201	202	280	162	148	e48	e25	73	18
14	28	225	102	209	142	245	259	124	e44	e23	73	18
15	27	219	180	288	130	223	732	110	e40	e22	126	17
16	28	136	165	388	189	207	446	100	e42	e22	110	17
17	32	102	134	358	390	193	275	95	e50	e21	115	17
18	34	86	122	288	513	184	250	88	e66	e30	132	17
19	33	80	150	316	426	e180	267	83	e82	e42	157	17
20	31	75	113	353	325	e180	506	78	e110	e56	109	19
21	29	72	93	301	231	e170	389	72	e150	e70	77	42
22	33	101	138	265	204	e170	253	66	e160	e60	62	59
23	35	190	215	349	349	e160	213	64	e88	e48	51	49
24	40	142	1080	330	375	e150	172	62	e66	e39	45	36
25	79	99	2400	270	351	e150	150	60	e52	e36	41	30
26	992	82	1130	228	310	e150	135	57	e46	e30	38	26
27	2030	74	478	374	432	e140	127	53	e44	e48	34	24
28	1010	68	346	467	469	e140	120	50	e42	e90	32	23
29	339	72	267	385	---	e130	118	51	e40	e140	31	43
30	155	169	220	345	---	e130	304	52	e38	e180	29	101
31	113	---	212	235	---	e120	---	66	---	e110	28	---
TOTAL	5638	3334	9098	9202	12508	15164	8318	5743	2208	1579	3052	861
MEAN	182	111	293	297	447	489	277	185	73.6	50.9	98.5	28.7
MAX	2030	225	2400	628	1980	3860	732	1020	170	180	640	101
MIN	27	65	86	132	130	120	118	50	38	21	28	17
CFSM	1.80	1.10	2.91	2.94	4.42	4.84	2.75	1.83	.73	.50	.97	.28
IN.	2.08	1.23	3.35	3.39	4.61	5.59	3.06	2.12	.81	.58	1.12	.32

e Estimated.

APALACHICOLA RIVER BASIN

02344700 LINE CREEK NEAR SENOIA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	71.6	108	150	220	265	278	186	115	73.9	87.4	64.8	40.9
MAX	306	465	425	460	547	597	509	281	192	933	261	138
(WY)	1990	1993	1984	1990	1995	1971	1979	1978	1989	1994	1992	1994
MIN	4.12	13.9	45.7	36.0	83.4	71.8	43.7	21.8	4.63	3.15	3.93	5.32
(WY)	1979	1982	1989	1981	1989	1988	1986	1988	1988	1988	1986	1986

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1964 - 1998

ANNUAL TOTAL	66589	76705	
ANNUAL MEAN	182	210	138
HIGHEST ANNUAL MEAN			210
LOWEST ANNUAL MEAN			55.5
HIGHEST DAILY MEAN	5830	Mar 1	3860
LOWEST DAILY MEAN	11	Sep 22	17
ANNUAL SEVEN-DAY MINIMUM	12	Sep 18	17
INSTANTANEOUS PEAK FLOW			5970
INSTANTANEOUS PEAK STAGE			13.27
ANNUAL RUNOFF (CFSM)	1.81		2.08
ANNUAL RUNOFF (INCHES)	24.53		28.25
10 PERCENT EXCEEDS	347		388
50 PERCENT EXCEEDS	90		115
90 PERCENT EXCEEDS	26		29
			15000
			1.0
			1.3
			28400
			a20.1
			1.37
			18.55
			281
			72
			17

a Observed

APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA.

LOCATION.--Lat 32°43'17", long 84°13'57", Taylor-Upson County line, Hydrologic Unit 03130005, on left bank underneath bridge on U.S. Highway 19, 4 mi upstream from Auchumpkee Creek, 5 mi downstream from Swift Creek, 13 mi southwest of Culloden, and at mile 238.4.

DRAINAGE AREA.--1,850 mi², approximately.

PERIOD OF RECORD.--July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

REVISED RECORDS.--WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 334.54 ft above sea level. July 1, 1911 to Oct. 11, 1918, nonrecording gage and Oct. 12, 1918 to May 31, 1923, water-stage recorder, at site 2.5 mi downstream at different datum. July 21, 1928 to Dec. 31, 1931, and Mar. 18, 1937 to May 3, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-79 are published in reports of the U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 25	0500	30,100	24.23	Mar. 9	0800	*52,300	*32.27
FEB. 4	2200	21,400	19.97	Apr. 15	1900	11,200	13.29
Feb. 17	1000	12,000	13.88				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5800	2010	3030	3220	3430	6530	2360	7160	1010	598	1160	444
2	3650	3790	2600	2840	2910	5340	2530	7460	1080	571	927	437
3	1940	4120	2210	2610	8390	4320	2680	5570	1100	576	791	684
4	1070	2970	2130	2450	18700	3460	4520	4780	902	616	685	968
5	828	2060	2300	2330	19400	3100	4120	4290	911	626	604	778
6	688	1560	2170	2370	16300	6440	4860	3670	1280	675	551	774
7	613	1420	1970	3140	14000	11700	4620	3070	1600	640	515	679
8	564	1370	1690	8500	9690	24700	3490	2950	1600	613	498	579
9	528	1300	2050	7970	5760	50300	4690	3730	1350	589	1160	507
10	492	1220	2560	6720	4250	40500	5110	4060	1090	538	1370	447
11	469	1110	2490	5960	3810	28800	4070	4050	961	507	1420	423
12	450	1050	2410	4360	3750	19000	3870	3000	887	507	1690	412
13	440	1550	2190	3230	3480	10300	3210	2410	836	629	1610	407
14	425	4590	2600	3190	3200	6080	3790	2050	785	552	1210	395
15	425	5120	7490	3800	2900	4920	10900	1830	738	528	1140	380
16	416	3880	4770	5390	5820	4400	10200	1660	731	549	1460	372
17	429	2810	3320	5490	11100	4060	7280	1570	989	580	1530	368
18	438	2140	2650	4990	9150	3800	5260	1470	1000	676	1360	354
19	454	1710	2200	5190	7150	3660	4340	1400	1180	662	1240	343
20	456	1510	1940	5530	5920	3510	5870	1320	2010	600	1260	363
21	451	1400	1800	4800	4820	3340	5980	1260	1950	708	1210	410
22	448	2050	2050	4310	3990	3150	5080	1200	1700	805	1240	528
23	478	1940	2630	5080	5740	2960	4250	1160	1460	749	1000	537
24	533	1670	16600	4990	6240	2780	3390	1130	1120	698	830	556
25	916	1740	29300	4410	5430	2700	2920	1090	932	707	697	548
26	1630	1760	23100	3860	4740	2690	2600	1060	829	605	618	493
27	6390	1430	16800	4550	5750	2630	2340	1020	756	680	563	445
28	9190	1240	12400	6300	7330	2530	2170	980	708	1070	516	420
29	9930	1230	7410	5830	---	2440	2080	953	685	1250	485	443
30	7710	2690	4790	5170	---	2370	3120	979	637	1330	473	1050
31	3940	---	3890	4450	---	2310	---	1040	---	1250	460	---
TOTAL	62191	64440	175540	143030	203150	274820	131700	79372	32817	21684	30273	15544
MEAN	2006	2148	5663	4614	7255	8865	4390	2560	1094	699	977	518
MAX	9930	5120	29300	8500	19400	50300	10900	7460	2010	1330	1690	1050
MIN	416	1050	1690	2330	2900	2310	2080	953	637	507	460	343
CFSM	1.08	1.16	3.06	2.49	3.92	4.79	2.37	1.38	.59	.38	.53	.28
IN.	1.25	1.30	3.53	2.88	4.08	5.53	2.65	1.60	.66	.44	.61	.31

APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	983	1397	2482	3270	4173	5293	3559	2049	1413	1725	1210	864
MAX	4691	7856	8151	7256	10960	22290	11240	6350	4773	14430	4371	2908
(WY)	1930	1949	1920	1946	1961	1929	1964	1920	1922	1994	1928	1953
MIN	108	247	668	715	1049	1303	1045	524	246	165	174	170
(WY)	1955	1932	1961	1956	1938	1918	1986	1914	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1911 - 1998			
ANNUAL TOTAL	913026				1234561				2353			
ANNUAL MEAN	2501				3382				4500			
HIGHEST ANNUAL MEAN									1920			
LOWEST ANNUAL MEAN									1043			
HIGHEST DAILY MEAN	29300				50300				92000			
LOWEST DAILY MEAN	142				343				87			
ANNUAL SEVEN-DAY MINIMUM	158				368				98			
INSTANTANEOUS PEAK FLOW					52300				100000			
INSTANTANEOUS PEAK STAGE					32.27				a45.73			
INSTANTANEOUS LOW FLOW					b341				c81			
ANNUAL RUNOFF (CFSM)	1.35				1.83				1.27			
ANNUAL RUNOFF (INCHES)	18.36				24.82				17.28			
10 PERCENT EXCEEDS	5220				6480				4870			
50 PERCENT EXCEEDS	1580				1950				1360			
90 PERCENT EXCEEDS	427				503				450			

- a From floodmarks
b Gage height, 1.55 ft
c Gage height, 0.83 ft

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.

LOCATION.--Lat 32°17'53", long 84°02'38", Macon County, Hydrologic Unit 03130006, near left bank on downstream end of pier of bridge on State Highway 49, 1,000 ft upstream from Central of Georgia Railway bridge, 1,400 ft upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, just upstream from Buck Creek, 1 mi west of Montezuma and at mile 180.6.

DRAINAGE AREA.--2,900 mi², approximately; includes that of Buck Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1904 to December 1912 (published as "near Montezuma"), July 1930 to current year. Monthly discharge only for January to December 1910, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 852: 1936(M). WSP 1504: 1905-9, 1911-12, drainage area (at site used prior 1912). WDR GA-82-1: 1981(P).

GAGE.--Water-stage recorder. Datum of gage is 255.83 ft above sea level. January 1905 to December 1909, and January 1911 to December 1912, nonrecording gage at site 1.5 mi upstream at same datum. July 1, 1930 to June 30, 1933, and Oct. 1, 1934 to Dec. 12, 1941, nonrecording gage, and Dec. 13, 1941 to Oct. 25, 1955, water-station recorder at site 500 ft downstream at same datum.

REMARKS.--Records good. Records include flow of Buck Creek. Prior to Dec. 31, 1963, when operation was discontinued, moderate diurnal fluctuation at low flow caused by powerplant above station. Periods of monthly discharge only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on Mar. 2, 1897, reached a stage of 26.0 ft at former site, from National Weather Service, discharge, 97,000 ft³/s, from rating curve extended above 10,000 ft³/s on basis of peak flows passing upstream and downstream stations. Flood on Mar. 17, 1929, reached a stage of 27.4 ft, at present site, from National Weather Service discharge, 92,300 ft³/s, from rating curve extended above 65,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 27	2200	32,700	20.41	Mar. 11	1000	*54,700	*24.16
Feb. 7	1100	24,100	18.05	Apr. 19	0500	15,300	14.63
Feb. 20	1300	15,400	14.65				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5750	8990	6050	12400	7350	8240	4220	6250	2320	1460	2180	1210
2	6230	8780	6350	8380	6350	8620	4320	6970	2230	1410	2050	1200
3	6230	5800	5450	5500	6140	9070	4430	7740	2120	1420	1870	2070
4	4120	5530	4380	4720	9020	8800	4520	8710	2120	1500	1690	3730
5	2320	4970	3750	4380	11000	7450	5190	9030	2000	1660	1570	3440
6	1790	3640	3630	4170	17300	6090	5900	8120	1980	1710	1470	2850
7	1570	2960	3490	4230	23800	6610	5980	6640	2370	1620	1390	2280
8	1430	2720	3260	5850	21900	9730	6330	5520	2730	1510	1350	1850
9	1340	2560	3060	7430	19200	16500	6780	4950	2810	1480	1370	1620
10	1270	2390	3510	8520	16500	36500	6860	5050	2570	1500	1560	1490
11	1220	2220	4270	9710	13100	53600	7220	5300	2260	1450	2070	1390
12	1170	2150	4520	10300	9650	45600	7250	5470	2070	1390	2160	1330
13	1140	3040	4420	9650	6890	33900	6470	5070	1940	1400	2280	1300
14	1110	4230	4610	7880	5860	24900	5800	4170	1840	1630	2480	1280
15	1080	5650	6730	5940	5330	18400	6760	3620	1770	1640	2350	1250
16	1100	6720	8760	6400	5010	13900	7930	3280	1720	1660	2160	1230
17	1100	6980	9240	7130	6620	10500	9490	3060	1710	1570	2330	1210
18	1100	5740	9490	7740	10000	8320	13400	2910	1740	1470	2530	1200
19	1090	3960	7900	8080	12700	7540	15000	2770	1870	1460	2440	1200
20	1090	3140	4990	7910	15200	7020	13400	2650	1980	1470	2210	1220
21	1090	2770	3960	7620	13800	6520	11100	2570	2560	1430	2100	1270
22	1080	3230	3830	7710	11600	6070	9540	2470	2890	1430	2010	1330
23	1080	4280	4220	7820	9970	5650	8890	2390	2650	1550	1970	1370
24	1180	4510	5850	7370	8560	5290	8320	2330	2400	1590	1870	1400
25	1540	3840	8950	7280	8240	5010	7030	2270	2080	1560	1700	1370
26	2810	3320	13300	7150	8550	4820	5500	2220	1850	1530	1550	1340
27	5380	3060	29200	6750	8780	4720	4730	2170	1740	1500	1440	1310
28	5910	2790	30700	6320	8520	4640	4290	2120	1650	1470	1360	1270
29	6560	2710	25100	6710	---	4520	4060	2080	1580	1610	1310	1320
30	7140	4730	20300	7360	---	4390	5230	2120	1510	1920	1260	1970
31	7880	---	16500	7640	---	4270	---	2240	---	2200	1230	---
TOTAL	84900	127410	269770	226050	306940	397190	215940	132260	63060	48200	57310	48300
MEAN	2739	4247	8702	7292	10960	12810	7198	4266	2102	1555	1849	1610
MAX	7880	8990	30700	12400	23800	53600	15000	9030	2890	2200	2530	3730
MIN	1080	2150	3060	4170	5010	4270	4060	2080	1510	1390	1230	1200
CFSM	.94	1.46	3.00	2.51	3.78	4.42	2.48	1.47	.72	.54	.64	.56
IN.	1.09	1.63	3.46	2.90	3.94	5.09	2.77	1.70	.81	.62	.74	.62

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1715	2137	3630	4913	6042	6843	5601	3309	2377	2614	2104	1568
MAX	6339	7272	11490	12350	11380	14980	15030	9758	6122	23990	4854	4105
(WY)	1965	1993	1949	1936	1974	1971	1936	1953	1959	1994	1936	1953
MIN	639	838	1306	1443	1962	1953	1736	1106	729	579	623	702
(WY)	1955	1932	1934	1956	1989	1911	1986	1986	1988	1986	1988	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR			FOR 1998 WATER YEAR			WATER YEARS 1905 - 1998		
ANNUAL TOTAL	1381763			1977330					
ANNUAL MEAN	3786			5417			3583		
HIGHEST ANNUAL MEAN							5593		
LOWEST ANNUAL MEAN							1752		
HIGHEST DAILY MEAN	30700			Dec 28			53600		
LOWEST DAILY MEAN	646			Sep 23			Mar 11		
ANNUAL SEVEN-DAY MINIMUM	663			Sep 18			Oct 15,22,23		
INSTANTANEOUS PEAK FLOW							Oct 17		
INSTANTANEOUS PEAK STAGE							Mar 11		
INSTANTANEOUS LOW FLOW							Mar 11		
ANNUAL RUNOFF (CFSM)	1.31			1.87			Oct 15		
ANNUAL RUNOFF (INCHES)	17.72			25.36			130000		
10 PERCENT EXCEEDS	7900			9670			Jul 7 1994		
50 PERCENT EXCEEDS	2630			3830			448		
90 PERCENT EXCEEDS	1080			1350			477		
							136000		
							a34.11		
							440		
							1.24		
							16.79		
							7110		
							2360		
							1060		

a From floodmarks.

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 30...	1135	81341	7130	38	39	6.5	6.4	14.5	19.0	8.8	87
NOV 20...	1215	81341	3130	46	45	6.8	6.7	9.5	17.5	10.8	95
DEC 11...	1050	81341	4270	44	43	6.7	6.7	9.5	9.5	10.0	88
FEB 12...	1015	81341	9930	38	37	6.7	6.4	9.5	12.0	10.0	88
19...	1030	81341	12400	33	29	6.7	6.5	12.0	14.0	9.0	84
MAR 18...	0950	81341	8390	38	38	6.7	6.5	12.5	12.0	9.2	87
APR 01...	1000	81341	4200	44	43	6.9	6.7	12.0	15.5	7.7	72
MAY 13...	0900	81341	5210	45	45	6.8	6.9	21.5	25.0	7.2	82
JUN 11...	0700	81341	2310	53	52	7.0	6.7	25.0	25.0	6.9	84
JUL 08...	0730	81341	1510	43	42	6.9	6.7	28.0	28.5	6.4	83
AUG 26...	0845	81341	1580	61	61	6.6	6.7	26.0	28.0	6.6	83
SEP 08...	0750	81341	1880	47	47	6.8	6.7	25.5	25.0	6.4	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CaCO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 30...	81341	100	50	1.5	9	49	.160	.040	.040	6.0
NOV 20...	81341	65	12	<1.0	10	13	.250	<.030	<.020	3.0
DEC 11...	81341	45	14	<1.0	10	13	.260	.040	.040	4.0
FEB 12...	81341	90	22	<1.0	8	17	.200	<.030	.020	3.0
19...	81341	170	56	1.4	6	34	.120	.060	.030	4.0
MAR 18...	81341	75	23	<1.0	10	24	.210	<.030	.020	3.0
APR 01...	81341	45	11	<1.0	13	19	<.020	<.030	.020	3.0
MAY 13...	81341	50	23	1.2	14	27	.230	1.43	.060	6.0
JUN 11...	81341	60	12	<1.0	15	19	.280	<.030	.040	4.0
JUL 08...	81341	25	9.0	<1.0	11	11	.120	<.030	.120	3.0
AUG 26...	81341	60	13	<1.0	18	13	.260	<.030	.030	3.0
SEP 08...	81341	65	14	<1.0	11	20	.160	.040	.040	5.0

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 30...	1135	81341	7130	38	6.5	14.5	19.0	8.8	87	490
NOV 05...	1050	81213	5090	41	6.6	12.5	15.0	8.2	77	490
09...	0840	81213	2570	50	6.8	12.5	8.5	8.7	83	50
20...	1215	81341	3130	46	6.8	9.5	17.5	10.8	95	80
DEC 11...	1050	81341	4270	44	6.7	9.5	9.5	10.0	88	170
JAN 28...	1045	81213	6280	35	6.9	8.8	11.6	10.6	91	20
FEB 12...	1015	81341	9930	38	6.7	9.5	12.0	10.0	88	80
17...	1830	81341	7350	41	6.9	12.0	18.0	9.9	94	940
19...	1030	81341	12400	33	6.7	12.0	14.0	9.0	84	490
MAY 13...	0900	81341	5210	45	6.8	21.5	25.0	7.2	82	70
25...	0900	81213	2280	52	6.9	25.5	30.0	6.7	82	<20
27...	1200	81213	2170	49	7.0	27.0	31.0	6.7	85	40
AUG 26...	0845	81341	1580	61	6.6	26.0	28.0	6.6	83	50
SEP 08...	0750	81341	1880	47	6.8	25.5	25.0	6.4	79	80
15...	0830	81341	1260	55	6.9	23.5	26.5	7.2	85	20
23...	0815	81213	1360	52	6.9	25.0	25.0	6.9	84	130

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 15...	1600	81213	1060	62	7.4	21.5	24.0	7.6	87
APR 16...	1840	81213	8280	35	7.0	16.8	29.0	8.2	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 15...	81213	2.7	1.0	<1.0	<2.0	<.5	<1.0	<1.0
APR 16...	81213	2.6	1.1	<1.0	<2.0	<.5	1.3	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 15...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.9
APR 16...	81213	2.2	<2.0	<.1	<1.0	<2.0	8.5

APALACHICOLA RIVER BASIN

02349900 TURKEY CREEK AT BYROMVILLE, GA.

LOCATION.--Lat 32°11'44", long 83°54'03", Dooly County, Hydrologic Unit 03130006, on downstream side of bridge pier on State Highway 90, 0.5 mi southwest of Byromville, 1.1 mi downstream from Rogers Branch, and 11 mi upstream from mouth.

DRAINAGE AREA.--45 mi², approximately.

PERIOD OF RECORD.--Water years 1951-58 (annual maximum), June 1958 to current year.

REVISED RECORDS.--WDR GA-90-1: 1967, 1969, WDR GA-92-1: 1968.

GAGE.--Water-stage recorder. Elevation of gage is 286 ft above sea level (from topographic map). Prior to June 19, 1958, crest-stage gage at site 50 ft upstream at same datum.

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 14	0600	442	9.50	Feb. 17	2100	492	9.66
Nov. 30	1800	682	10.17	Mar. 9	unknown	*3,800	*12.78
Dec. 15	1200	1,110	10.96	Apr. 15	1200	996	10.79
Dec. 25	unknown	1,400	11.34	Apr. 18	1100	2,090	12.06
Jan. 16	1200	492	9.66	Mar. 1	1400	492	9.66
Feb. 4	unknown	1,450	11.40	Sept. 4	0300	1,250	11.16

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	48	369	113	81	114	72	440	32	4.7	43	4.1
2	7.8	166	196	104	78	96	88	212	23	4.7	18	4.2
3	6.7	167	133	100	359	86	66	142	18	6.4	10	459
4	6.0	72	112	96	1130	78	59	245	15	6.2	7.2	834
5	5.7	55	101	92	523	81	52	191	18	5.4	5.9	236
6	5.4	47	89	88	288	132	48	121	66	4.7	5.2	95
7	5.1	51	77	96	196	251	46	105	55	4.5	4.8	53
8	5.0	49	72	193	160	1290	120	93	32	4.7	34	38
9	4.9	41	70	153	133	2210	314	78	24	7.0	223	29
10	4.9	37	70	107	116	636	232	69	21	5.8	80	22
11	4.7	34	74	92	108	322	120	70	18	4.7	22	19
12	4.6	42	115	83	105	211	85	58	15	5.3	14	18
13	4.8	226	156	78	95	161	70	51	13	5.5	10	16
14	4.8	404	230	77	87	141	124	46	12	34	8.9	15
15	4.8	249	884	144	80	127	760	43	11	19	11	13
16	7.0	139	438	387	87	115	431	40	10	13	37	12
17	7.1	102	247	227	312	108	247	37	9.3	9.6	97	11
18	7.4	86	172	142	276	107	1390	34	8.8	7.6	36	11
19	6.8	78	137	124	147	220	621	31	8.7	7.6	20	12
20	6.2	71	117	118	116	207	332	29	9.2	5.1	14	12
21	5.7	67	106	97	104	138	215	25	8.2	4.6	11	13
22	5.5	122	193	102	126	108	150	24	7.4	4.6	8.2	14
23	5.3	150	390	214	265	95	121	23	7.0	4.6	6.9	13
24	12	91	734	180	180	87	104	22	6.6	32	6.3	10
25	35	72	981	123	123	81	90	20	6.3	56	5.7	8.9
26	88	66	408	101	104	76	79	21	6.2	12	5.2	8.4
27	258	63	288	148	134	71	73	19	5.8	7.9	4.8	7.9
28	115	59	252	177	146	70	68	17	5.4	8.1	4.5	7.8
29	62	76	186	120	---	67	75	23	5.1	6.4	4.3	15
30	46	514	155	102	---	64	291	52	4.9	11	4.2	84
31	38	---	132	90	---	61	---	41	---	46	4.1	---
TOTAL	790.2	3444	7684	4068	5659	7611	6543	2422	481.9	408.2	766.2	2095.3
MEAN	25.5	115	248	131	202	246	218	78.1	16.1	13.2	24.7	69.8
MAX	258	514	981	387	1130	2210	1390	440	66	56	223	834
MIN	4.6	34	70	77	78	61	46	17	4.9	4.5	4.1	4.1
CFSM	.57	2.55	5.51	2.92	4.49	5.46	4.85	1.74	.36	.29	.55	1.55
IN.	.65	2.85	6.35	3.36	4.68	6.29	5.41	2.00	.40	.34	.63	1.73

APALACHICOLA RIVER BASIN

02349900 TURKEY CREEK AT BYROMVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	12.4	18.7	41.6	79.7	113	109	72.5	34.9	26.9	36.1	20.8	11.4
MAX	95.1	115	248	235	223	260	218	166	142	297	76.3	69.8
(WY)	1995	1998	1998	1964	1983	1966	1998	1976	1973	1994	1969	1998
MIN	3.45	4.16	3.96	5.29	7.74	15.6	10.6	5.45	3.69	2.62	3.36	2.86
(WY)	1969	1989	1989	1989	1989	1989	1968	1988	1988	1988	1988	1990

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1958 - 1998

ANNUAL TOTAL	24488.4	41972.8	
ANNUAL MEAN	67.1	115	47.8
HIGHEST ANNUAL MEAN			115
LOWEST ANNUAL MEAN			9.87
HIGHEST DAILY MEAN	1070	Feb 22	2210
LOWEST DAILY MEAN	3.7	Sep 21	4.1
ANNUAL SEVEN-DAY MINIMUM	3.8	Sep 17	4.3
INSTANTANEOUS PEAK FLOW			3800
INSTANTANEOUS PEAK STAGE			12.78
INSTANTANEOUS LOW FLOW			4.0
ANNUAL RUNOFF (CFSM)	1.49		2.56
ANNUAL RUNOFF (INCHES)	20.24		34.70
10 PERCENT EXCEEDS	152		248
50 PERCENT EXCEEDS	28		67
90 PERCENT EXCEEDS	4.9		5.5

a Oct 5, 1968, June 1, 1974, and July 11-15, 1986

APALACHICOLA RIVER BASIN

02350512 FLINT RIVER AT STATE HIGHWAY 32 NEAR OAKFIELD, GA.

LOCATION.--Lat 31°43'30", long 84°01'07", Worth-Lee County line. Hydrologic Unit 03130006, on downstream end of pier of bridge on State Highway 32, 5 mi southwest of Oakfield, 3.2 mi downstream from Jones Creek, 13.9 mi downstream from Crisp County damsite, and at river mile 120.8.

DRAINAGE AREA.--3,880 mi², approximately.

PERIOD OF RECORD.--October 1929 to December 1958, May 1987 to current year. Monthly discharge only, October 1929 to January 1930 and June 1933 to October 1934 (published in WSP 1304). Prior to May 1987, published as "at Oakfield" (station 02350500).

GAGE.--Water-stage recorder. Datum of gage is 185.87 ft above sea level (levels by Georgia Department of Transportation). January 9, 1930 to June 23, 1933 and October 1, 1934 to December 31, 1958, recording gage at site 4.2 mi upstream at datum 193.29 ft above sea level, supplementary adjustment of 1936.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Flow regulated by powerplant at Warwick Reservoir since 1930, capacity about 35,000 acre-ft. Normal operation of powerplant does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1898, 35.1 ft, Jan. 20, 1925, from floodmarks, 90,000 ft³/s. Flood in March 1929 reached a stage of 34.0 ft, from floodmarks, 85,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5790	7910	13000	22800	9490	12300	6410	8700	3530	1350	3500	1980
2	7710	9530	11700	11300	9610	12000	5450	11700	3180	1310	2900	2030
3	7690	8530	10500	8050	12400	10900	6010	11100	2830	1290	2180	7650
4	7220	8520	8860	7490	22700	11500	6290	12200	2800	1760	2230	6370
5	3500	7590	7790	6000	33600	12800	6620	15100	2760	1790	2100	5330
6	2280	5820	5550	6040	24100	11400	5340	12900	2620	2010	2170	7320
7	2030	5620	5870	7000	19800	11700	6640	12500	2940	2040	1810	6560
8	1930	3520	4970	14500	22700	25000	8960	9500	3490	1700	1360	2920
9	1720	3800	6090	10800	27200	46900	15300	9600	3970	1770	1260	2910
10	1970	3860	5740	8920	25300	49800	12800	6940	3950	2650	1680	1870
11	1330	3240	6750	8730	20800	41000	11400	6480	2480	1640	2180	2170
12	1330	3290	7160	10600	11700	46000	10000	7340	2940	1600	2310	1700
13	1440	6550	8460	12500	9000	50400	8690	7640	2330	1680	2520	1550
14	1370	6560	11100	11200	12500	47000	9780	6720	2100	1860	2920	1590
15	1290	8900	15200	12200	8980	38500	13900	6450	2170	2090	3130	1730
16	1810	9010	19400	10600	7990	e2800	17800	4750	2100	2030	2440	1440
17	1480	8810	18500	10300	8050	22700	21000	4950	1870	2270	1560	1380
18	1260	8600	12100	12600	17700	13400	16000	5060	2090	1800	4440	1260
19	1110	8510	10300	11500	13100	14000	20700	4520	1970	2020	3090	e1200
20	1340	6340	12100	10400	13700	13700	21600	3250	2380	2000	3050	e1300
21	1350	4200	8820	9440	15900	12700	16400	3050	2560	2210	2660	e2400
22	1350	5920	7790	11300	18000	9010	15300	2560	3710	1920	2660	2150
23	1280	5920	8120	13300	17200	9190	12600	2060	3510	1730	1970	1660
24	1330	5520	16000	14000	14900	8270	11000	3010	3340	1660	1840	1390
25	2490	6230	27000	11600	12100	7190	9770	2850	3260	1460	2020	1460
26	6100	5410	24500	9680	10300	7420	9770	2570	2610	1580	2550	1880
27	8240	5090	21600	11000	12800	6950	8230	2860	2000	1520	2340	1800
28	7270	4460	22800	11600	13400	6650	7730	3290	1750	1630	2210	1410
29	8050	4630	36900	9900	---	6930	5850	3090	2110	1750	929	2360
30	8250	9380	36500	10800	---	5640	7200	3190	982	1810	723	5670
31	7940	---	29800	9720	---	5110	---	3470	---	2310	2000	---
TOTAL	109250	191270	440970	335870	445020	578860	334540	199400	80332	56240	70732	82440
MEAN	3524	6376	14220	10830	15890	18670	11150	6432	2678	1814	2282	2748
MAX	8250	9530	36900	22800	33600	50400	21600	15100	3970	2650	4440	7650
MIN	1110	3240	4970	6000	7990	2800	5340	2060	982	1290	723	1200
CFSM	.91	1.64	3.67	2.79	4.10	4.81	2.87	1.66	.69	.47	.59	.71
IN.	1.05	1.83	4.23	3.22	4.27	5.55	3.21	1.91	.77	.54	.68	.79

e Estimated

APALACHICOLA RIVER BASIN

02350512 FLINT RIVER AT STATE HIGHWAY 32 NEAR OAKFIELD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2437	2818	4707	6142	7229	8643	6878	3958	2766	3688	2601	2043
MAX	10690	7848	17020	14120	15890	18670	18890	11000	5543	29160	6360	4501
(WY)	1930	1931	1949	1936	1998	1998	1936	1953	1934	1994	1994	1953
MIN	858	1105	1568	1705	2524	3048	3331	1825	1111	774	683	933
(WY)	1956	1934	1991	1956	1989	1955	1997	1941	1988	1988	1988	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1930 - 1998			
ANNUAL TOTAL	1987440				2924924							
ANNUAL MEAN	5445				8013				4498			
HIGHEST ANNUAL MEAN									8013			
LOWEST ANNUAL MEAN									2456			
HIGHEST DAILY MEAN	36900				50400				109000			
LOWEST DAILY MEAN	718				723				152			
ANNUAL SEVEN-DAY MINIMUM	740				1290				589			
INSTANTANEOUS PEAK FLOW					52400				112000			
INSTANTANEOUS PEAK STAGE					28.11				a40.1			
ANNUAL RUNOFF (CFSM)	1.40				2.07				1.16			
ANNUAL RUNOFF (INCHES)	19.05				28.04				15.75			
10 PERCENT EXCEEDS	11600				16000				9000			
50 PERCENT EXCEEDS	4010				6010				3100			
90 PERCENT EXCEEDS	1290				1620				1210			

a From floodmarks

APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.

LOCATION.--Lat 31°45'52", long 84°15'12", Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on Prison Farm Road, 3.6 mi west of U.S. Highway 19, 11.3 mi east of Dawson, and 5.2 mi northwest of Leesburg.

DRAINAGE AREA.--527 mi², approximately.

PERIOD OF RECORD.--Water years 1949-65 (annual maximum), March 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 211.74 ft above sea level (Georgia State Highway Commission benchmark). April 6, 1949 to September 30, 1965, crest-stage gage at site 1,500 ft upstream at same datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1943 or 1944 is believed to have reached an elevation of about 23 ft from information by local resident. Maximum stage of 20.46 was reached March 5, 1966.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 30	0300	2,040	11.02	Feb. 19	1600	5,380	16.10
Dec. 4	0100	2,830	12.78	Mar. 10	0800	*12,800	*21.59
Dec. 19	0400	2,170	11.35	Mar. 20	1300	2,290	11.65
Dec. 27	2000	4,460	15.12	Apr. 10	0200	2,860	12.85
Jan. 9	1600	2,420	11.98	Apr. 20	1000	7,230	17.78
Jan. 18	2300	1,660	9.93	May 7	1500	2,570	12.27
Feb. 6	1600	4,380	15.04	Sept. 4	2100	3,240	13.57

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	231	590	1980	1520	1100	1620	1030	1210	744	202	542	154
2	193	534	2060	1310	974	1520	1040	1110	574	174	556	161
3	171	561	2590	1140	1320	1460	1080	1130	535	159	571	1130
4	156	562	2570	1040	2350	1310	1090	1720	459	155	455	2830
5	146	534	1820	972	3320	1150	1100	2090	377	183	339	2670
6	141	463	1270	943	4290	1220	1040	2260	359	203	284	1780
7	137	409	914	1040	3710	1600	967	2510	397	184	249	1680
8	133	433	787	1910	2630	5140	1180	2260	468	162	224	1190
9	131	437	709	2350	1980	11500	2460	1860	515	191	212	648
10	129	416	764	2340	1620	12400	2670	1580	485	256	216	476
11	126	377	908	2250	1400	8980	2290	1400	392	201	234	426
12	124	366	953	1990	1290	5020	2010	1170	343	189	261	380
13	121	858	1090	1620	1220	3160	1720	958	316	582	267	354
14	117	1320	1260	1290	1170	2490	1330	842	297	967	387	339
15	116	1370	1610	1160	1120	2150	1260	764	276	919	388	323
16	116	1410	1680	1340	1100	1940	1410	713	265	929	383	316
17	123	1460	1560	1580	1700	1800	2700	666	250	969	503	321
18	145	1270	1870	1640	2310	1720	4220	622	239	868	569	300
19	155	912	2070	1630	5070	1930	4460	583	243	687	618	292
20	151	611	1580	1550	4100	2210	6870	544	264	463	545	359
21	143	540	1170	1430	2700	1970	4910	506	282	367	401	652
22	137	514	979	1320	2020	1790	3540	460	305	310	335	679
23	134	535	951	1500	1860	1660	2770	434	294	273	281	635
24	137	615	1580	1490	1770	1520	2150	419	251	260	249	612
25	218	712	3110	1370	1690	1390	1770	409	222	539	221	551
26	636	845	3560	1350	1670	1290	1540	399	208	443	200	443
27	886	980	4250	1400	1780	1230	1370	384	225	335	183	401
28	1030	744	3890	1360	1740	1180	1260	375	252	318	168	373
29	1580	610	2760	1250	---	1140	1180	365	279	298	163	425
30	1880	1650	2110	1190	---	1100	1160	385	257	305	157	1210
31	1230	---	1750	1170	---	1070	---	725	---	362	153	---
TOTAL	10873	22638	56155	45445	59004	85660	63577	30853	10373	12453	10314	22110
MEAN	351	755	1811	1466	2107	2763	2119	995	346	402	333	737
MAX	1880	1650	4250	2350	5070	12400	6870	2510	744	969	618	2830
MIN	116	366	709	943	974	1070	967	365	208	155	153	154
CFSM	.67	1.43	3.44	2.78	4.00	5.24	4.02	1.89	.66	.76	.63	1.40
IN.	.77	1.60	3.96	3.21	4.16	6.05	4.49	2.18	.73	.88	.73	1.56

APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	260	419	660	841	1052	1179	703	428	304	518	242	239
MAX	773	755	1811	1502	2107	2763	2119	1176	589	3413	675	737
(WY)	1995	1998	1998	1990	1998	1998	1998	1991	1991	1994	1994	1998
MIN	103	160	208	277	323	506	257	139	97.1	62.4	70.2	73.9
(WY)	1991	1991	1989	1989	1989	1989	1986	1986	1988	1986	1988	1990

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1985 - 1998			
ANNUAL TOTAL	228084				429455							
ANNUAL MEAN	625				1177				573			
HIGHEST ANNUAL MEAN									1177			
LOWEST ANNUAL MEAN									294			
HIGHEST DAILY MEAN	4250				12400				25000			
LOWEST DAILY MEAN	71				116				39			
ANNUAL SEVEN-DAY MINIMUM	74				120				41			
INSTANTANEOUS PEAK FLOW					12800				a29500			
INSTANTANEOUS PEAK STAGE					21.59				26.56			
INSTANTANEOUS LOW FLOW					115				38			
ANNUAL RUNOFF (CFSM)	1.19				2.23				1.09			
ANNUAL RUNOFF (INCHES)	16.10				30.31				14.78			
10 PERCENT EXCEEDS	1580				2320				1170			
50 PERCENT EXCEEDS	423				912				365			
90 PERCENT EXCEEDS	119				190				121			

a From rating curve extended above 16,000 ft³/s on basis of flow-over-road measurement of peak flow.

APALACHICOLA RIVER BASIN

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.

LOCATION.--Lat 31°46'34", long 84°08'22", Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on State Highway 195, 75 ft downstream from White Oak Branch, 3.3 mi downstream from Muckaloochee Creek, and 4.0 mi northeast of Leesburg.

DRAINAGE AREA.--362 mi².

PERIOD OF RECORD.--December 1979 to current year.

REVISED RECORDS.--WRD GA-82-1: 1980(P), 1981(P).

GAGE.--Water-stage recorder. Elevation of gage is 220 ft above sea level (from topographic map).

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 29	1300	2,430	11.65	Feb. 6	0200	3,260	12.37
Nov. 15	2000	1,550	10.58	Feb. 19	2200	2,430	11.74
Dec. 3	0100	2,700	11.88	Mar. 9	1100	*12,900	*17.06
Dec. 17	1700	2,960	12.09	Mar. 20	2000	1,400	10.50
Dec. 25	2100	4,010	12.83	Apr. 9	1600	2,320	11.65
Jan. 9	2400	2,170	11.39	Apr. 19	2200	5,110	13.41
Jan. 18	1600	1,620	10.70	May 6	0800	1,790	11.10
Jan. 24	0400	1,430	10.36	Sept. 5	0700	4,100	12.89

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	623	1720	1130	794	1170	639	1070	468	212	351	103
2	226	454	2500	961	748	1090	623	853	463	168	355	160
3	164	379	2490	862	945	1010	633	774	549	144	345	579
4	143	403	1770	811	2030	881	634	1230	519	146	257	1900
5	138	451	1190	799	3040	743	629	1600	323	195	204	3780
6	136	441	881	783	3040	802	608	1740	281	255	180	2650
7	128	395	722	810	2280	1260	557	1610	286	269	167	1760
8	135	329	638	1270	1660	4480	739	1330	304	218	184	1130
9	136	315	580	1970	1260	11900	2030	1040	360	170	191	678
10	123	318	601	2100	1090	8760	2250	876	397	178	211	402
11	113	306	651	1890	997	4510	2080	785	333	158	211	303
12	109	310	907	1530	916	2610	1470	681	270	145	240	271
13	107	650	1010	1120	780	1890	1110	586	238	173	229	257
14	105	919	1270	942	741	1530	848	535	216	297	266	245
15	104	1430	1710	955	737	1300	860	495	196	387	244	236
16	106	1490	2340	1110	730	1160	1880	448	181	412	209	226
17	108	1350	2810	1290	983	1060	3300	419	175	451	220	218
18	121	1050	2480	1590	1340	1010	2500	395	172	425	252	220
19	129	747	1720	1550	2000	1130	3460	376	168	365	319	211
20	132	553	1250	1370	2060	1330	4350	359	178	288	279	231
21	128	474	978	1140	1460	1350	2680	334	188	218	229	344
22	123	445	882	1090	1170	1220	1960	315	201	184	196	383
23	118	458	855	1340	1210	1060	1620	304	198	165	174	413
24	121	442	1380	1390	1250	878	1250	286	181	157	159	431
25	171	492	3340	1220	1220	755	1010	277	166	201	145	400
26	524	663	3820	1050	1130	738	870	270	161	233	136	377
27	635	761	3600	1030	1210	734	770	266	157	199	130	327
28	878	596	2660	1050	1250	710	723	251	171	180	118	274
29	2120	506	1980	1010	---	682	690	244	199	178	105	295
30	1710	1130	1590	948	---	671	740	266	227	176	101	514
31	1010	---	1360	891	---	657	---	379	---	191	95	---
TOTAL	10377	18880	51685	37002	38071	59081	43513	20394	7926	7138	6502	19318
MEAN	335	629	1667	1194	1360	1906	1450	658	264	230	210	644
MAX	2120	1490	3820	2100	3040	11900	4350	1740	549	451	355	3780
MIN	104	306	580	783	730	657	557	244	157	144	95	103
CFSM	.92	1.74	4.61	3.30	3.76	5.26	4.01	1.82	.73	.64	.58	1.78
IN.	1.07	1.94	5.31	3.80	3.91	6.07	4.47	2.10	.81	.73	.67	1.99

APALACHICOLA RIVER BASIN

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	177	281	463	599	781	794	506	325	227	387	205	169
MAX	566	629	1667	1194	1360	1906	1450	957	475	3296	552	644
(WY)	1995	1998	1998	1998	1998	1998	1998	1991	1991	1994	1984	1998
MIN	83.5	129	145	183	196	281	169	87.2	65.3	35.1	49.8	57.7
(WY)	1988	1991	1989	1989	1989	1989	1986	1986	1988	1986	1990	1990
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1980 - 1998	
ANNUAL TOTAL	184622					319887						
ANNUAL MEAN	506					876					410	
HIGHEST ANNUAL MEAN											876	
LOWEST ANNUAL MEAN											211	
HIGHEST DAILY MEAN	3820					Dec 26					36000	
LOWEST DAILY MEAN	44					Sep 9					12	
ANNUAL SEVEN-DAY MINIMUM	50					Sep 3					16	
INSTANTANEOUS PEAK FLOW						12900					Mar 9	
INSTANTANEOUS PEAK STAGE						17.06					Mar 9	
INSTANTANEOUS LOW FLOW						93					Aug 31, Sep 1	
ANNUAL RUNOFF (CFSM)	1.40					2.42					1.13	
ANNUAL RUNOFF (INCHES)	18.97					32.87					15.40	
10 PERCENT EXCEEDS	1240					1890					846	
50 PERCENT EXCEEDS	329					601					244	
90 PERCENT EXCEEDS	101					160					87	

a From rating curve extended above 13,000 ft³/s on basis of slope conveyance study.

b From floodmarks

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.

LOCATION.--Lat 31°35'39", long 84° 08'39", Dougherty County, Hydrologic Unit 03130008, on right bank at downstream side of Georgia Northern

Railway bridge in Albany, 0.5 mi downstream from Muckafoonee Creek, and at mile 103.4.

DRAINAGE AREA.--5,310 mi², approximately.

PERIOD OF RECORD.--February 1897 to September 1901 (gage heights only), October 1901 to June 1921, October 1929 to current year. Gage-height records collected at site 1 mi downstream since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1902, 1913(M), 1916-17, 1919- 21, 1930(m), 1934(m), drainage area; WDR GA-95-1:1994.

GAGE.--Water-stage recorder. Datum of gage is 150.03 ft above sea level. Prior to Jan. 1, 1902, nonrecording gage at site 1 mi downstream at datum 1.3 ft lower. Jan. 1, 1902 to June 30, 1921, nonrecording gage at site 1 mi downstream at datum 2.0 ft lower.

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1925 reached a stage of 37.84 ft, from floodmarks, present site and datum, discharge, 92,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 1	1315	21,600	16.32	Feb. 22	1515	22,600	16.98
Dec. 17	0915	24,400	18.23	Mar. 10	1600	*86,100	*36.92
Dec. 30	0945	43,300	26.72	Apr. 10	0745	21,700	16.35
Jan. 24	1115	21,300	16.10	Apr. 21	0100	31,000	21.74
Feb. 6	0230	39,100	25.12				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6170	10400	19300	30300	12700	17000	8020	11800	4700	1700	3860	2360
2	8000	10500	17200	20000	12300	15400	7820	14200	4720	1720	4420	3020
3	7830	9030	15500	12200	15200	14000	7840	14600	3800	1600	3200	10900
4	7670	9400	15000	10400	22100	14800	8020	14700	3990	1890	3020	11100
5	3880	8590	13800	8400	34900	14600	8710	18300	3440	2190	2740	11800
6	2120	6470	9010	8520	35800	14900	8190	17800	3530	2110	2550	14600
7	2280	6800	7690	11300	28200	13500	7580	17500	3410	2470	2600	12200
8	2140	4160	6960	15700	27500	26000	11300	14900	3740	2320	1890	5920
9	2000	4660	7400	17600	30100	54700	17600	14600	4630	2060	1750	5350
10	1880	4350	7860	14700	29900	84300	20100	9710	4800	2880	2090	4080
11	1960	4000	9420	14000	26600	78900	18300	10300	4020	2380	2110	3010
12	1530	3840	10600	15100	18300	67500	16000	8660	3010	1900	2470	3170
13	1450	9990	11800	16600	13000	65800	13700	9980	3430	2650	2970	2500
14	1380	8110	13600	15400	13300	62300	13600	7980	2670	2990	3660	2490
15	1250	13300	18800	15800	13900	52600	14700	9430	2610	3510	3770	2470
16	1810	13000	22900	13900	9980	40100	19500	5650	2540	3610	3540	2510
17	1810	12700	23400	14900	11300	30200	23100	5810	2440	3530	2760	2180
18	1450	11400	19400	16100	19800	22900	23400	6330	2290	3650	4250	2100
19	1450	11400	16100	14200	18700	18600	24800	4760	2410	3360	4220	2150
20	1430	8220	16300	15800	19400	19300	28700	4500	2560	2930	4160	2350
21	1580	5290	12700	13500	21600	19600	28800	3790	2800	2770	3800	2900
22	1370	7000	11800	14800	21900	14600	23500	3960	3130	2850	3360	3960
23	1680	6890	10100	16600	21700	13800	20400	2870	4290	2200	3120	3050
24	1430	6440	17900	19700	20000	12400	16500	3410	3310	2250	2260	2840
25	2900	7470	27500	16900	16800	10800	14400	3640	3700	2110	2510	2600
26	7170	6660	34200	13700	13600	9920	13200	3100	3220	2180	2790	2590
27	9930	6900	32700	14500	16700	9880	11100	3500	2450	2700	2820	3060
28	9260	5960	30500	16200	16900	8990	10600	3530	2500	2270	2580	2520
29	9600	6340	39100	12700	---	9480	7990	3490	2080	2360	1880	3960
30	11900	13600	42900	15100	---	8610	9240	3760	2080	2140	1140	7850
31	11200	---	37700	13200	---	6630	---	4420	---	2480	1930	---
TOTAL	127510	242870	579140	467820	562180	852110	456710	260980	98300	77760	90220	141590
MEAN	4113	8096	18680	15090	20080	27490	15220	8419	3277	2508	2910	4720
MAX	11900	13600	42900	30300	35800	84300	28800	18300	4800	3650	4420	14600
MIN	1250	3840	6960	8400	9980	6630	7580	2870	2080	1600	1140	2100
CFSM	.77	1.52	3.52	2.84	3.78	5.18	2.87	1.59	.62	.47	.55	.89
IN.	.89	1.70	4.06	3.28	3.94	5.97	3.20	1.83	.69	.54	.63	.99

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3121	3456	6197	8533	10630	11940	9491	5720	4025	4755	4111	2861
MAX	13970	10520	22210	18590	20680	27490	25500	15410	9722	38480	18950	8710
(WY)	1930	1931	1949	1964	1908	1998	1944	1920	1973	1994	1919	1903
MIN	1175	1428	1993	2306	3252	3053	2984	1683	1482	814	907	1111
(WY)	1955	1932	1989	1956	1989	1911	1986	1986	1988	1986	1988	1968
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1902 - 1998	
ANNUAL TOTAL	2473581					3957190						
ANNUAL MEAN	6777					10840					6232	
HIGHEST ANNUAL MEAN											10910	
LOWEST ANNUAL MEAN											2894	
HIGHEST DAILY MEAN	42900					84300					119000	
LOWEST DAILY MEAN	703					1140					327	
ANNUAL SEVEN-DAY MINIMUM	852					1480					735	
INSTANTANEOUS PEAK FLOW						86100					120000	
INSTANTANEOUS PEAK STAGE						36.92					a43.0	
ANNUAL RUNOFF (CFSM)						1.28					2.04	
ANNUAL RUNOFF (INCHES)	17.33					27.72					15.95	
10 PERCENT EXCEEDS	14700					21800					13300	
50 PERCENT EXCEEDS	4690					7980					4190	
90 PERCENT EXCEEDS	1390					2140					1760	

a From floodmarks

APALACHICOLA RIVER BASIN

02352790 FLINT RIVER NEAR PUTNEY, GA.

LOCATION.--Lat 31°26'39", long 84°08'16", Dougherty County, Hydrologic Unit 03130008, at Plant Mitchell intake, 2.5 mi south of Putney, and at mile 90.8.

DRAINAGE AREA.--5,340 mi², approximately.

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1979 to June 1984.

REMARKS.--Flow regulated by powerplants at Flint River and Warwick Reservoirs (see remarks for station 02352500). Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded, 31.0°C July 15-18, 1980, July 26-29, 1981; minimum, 4.5°C Jan. 1-3, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 29...	1240	81341	8190	88	85	7.2	7.2	18.0	17.0	8.5	90
NOV 19...	1235	81341	10700	84	83	7.3	6.9	11.5	15.0	11.5	105
DEC 10...	1210	81341	7800	88	85	7.2	7.2	13.0	22.0	9.9	95
JAN 27...	1345	81341	14300	76	72	7.0	7.2	10.9	9.0	11.0	100
FEB 26...	1240	81341	12600	81	80	7.0	6.9	13.9	24.5	9.8	96
MAR 26...	0810	81341	10800	94	90	6.9	7.2	15.6	20.0	8.4	83
APR 09...	1230	81341	11200	50	51	6.7	6.7	20.8	27.0	7.1	81
MAY 28...	1025	81341	4370	110	107	7.1	7.4	27.6	27.0	6.2	79
JUN 25...	1100	81341	4840	99	98	7.2	7.2	30.6	31.0	6.1	81
JUL 23...	1030	81341	--	117	125	7.2	7.1	29.8	29.5	6.1	80
AUG 13...	1025	81341	4180	112	111	7.3	7.1	29.0	27.0	5.7	74
SEP 17...	1020	81341	2280	132	128	7.2	7.5	26.0	25.0	6.0	75

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)
OCT 29...	81341	60	11	19	1.1	21
NOV 19...	81341	70	10	17	<1.0	21
DEC 10...	81341	120	36	31	1.5	25
JAN 27...	81341	65	20	19	1.0	23
FEB 26...	81341	80	50	20	1.6	29
MAR 26...	81341	60	15	19	1.0	35
APR 09...	81341	180	50	33	3.6	16
MAY 28...	81341	50	9.0	17	<1.0	38
JUN 25...	81341	20	5.0	<5	<1.0	30
JUL 23...	81341	70	7.0	29	1.0	40
AUG 13...	81341	40	9.0	17	1.1	35
SEP 17...	81341	50	7.0	20	<1.0	43

APALACHICOLA RIVER BASIN

02352790 FLINT RIVER NEAR PUTNEY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	
OCT 29...		81341	.290	<.030	--	.20	.49	.040	5.0	
NOV 19...		81341	.390	<.030	--	.30	.69	.030	5.0	
DEC 10...		81341	.480	.050	.45	.50	.98	.070	5.0	
JAN 27...		81341	.520	.070	.33	.40	.92	.030	4.0	
FEB 26...		81341	.460	.070	.63	.70	1.2	.160	5.0	
MAR 26...		81341	.640	.090	.31	.40	1.0	.040	4.0	
APR 09...		81341	.160	.080	.92	1.0	1.2	.150	9.0	
MAY 28...		81341	.660	.140	.26	.40	1.1	.060	4.0	
JUN 25...		81341	.360	.080	.32	.40	.76	.040	4.0	
JUL 23...		81341	.470	.090	.31	.40	.87	.070	4.0	
AUG 13...		81341	.480	.090	.41	.50	.98	.060	4.0	
SEP 17...		81341	.660	.090	.31	.40	1.1	.060	4.0	

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00061)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00095)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00400)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00010)	TEMPER- ATURE WATER (DEG C) (00020)	TEMPER- ATURE AIR (DEG C) (00300)	OXYGEN, DIS- SOLVED (MG/L) (00301)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (31615)	COLI- FORM. FECAL, EC BROTH (MPN)
OCT 29...	1240	81341	8190	88	7.2	18.0	17.0	8.5	90	50
NOV 04...	1140	81213	8670	80	7.2	16.5	13.5	9.0	92	110
12...	1220	81213	3830	93	7.2	14.5	11.5	8.3	82	<20
19...	1235	81341	10700	84	7.3	11.5	15.0	11.5	105	490
DEC 10...	1210	81341	7800	88	7.2	13.0	22.0	9.9	95	7900
FEB 26...	1240	81341	12600	81	7.0	13.9	24.5	9.8	96	330
MAR 05...	1130	81213	13800	70	7.1	14.1	16.0	9.8	95	50
19...	1320	81213	20700	73	6.5	15.9	23.0	7.5	77	1100
26...	0810	81341	10800	94	6.9	15.6	20.0	8.4	83	270
MAY 28...	1025	81341	4370	110	7.1	27.6	27.0	6.2	79	7900
JUN 11...	0945	81213	5540	100	7.4	27.4	28.5	6.6	84	170
17...	1005	81213	2700	115	7.4	28.5	29.5	6.3	80	40
25...	1100	81341	4840	99	7.2	30.6	31.0	6.1	81	50
JUL 23...	1030	81341	--	117	7.2	29.8	29.5	6.1	80	80
30...	1000	81213	--	114	7.3	28.8	27.0	6.0	77	490
AUG 05...	1015	81213	3080	105	7.3	28.6	30.0	6.3	81	<20
13...	1025	81341	4180	112	7.3	29.0	27.0	5.7	74	7900

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.

LOCATION.--Lat 31°18'34", long 84°20'06", Baker-Mitchell County line, Hydrologic Unit 03130008, on downstream side of pier of bridge on State Highway 37 at Newton, 1 mi downstream from Coolewahee Creek, and at mile 69.5.

DRAINAGE AREA.--5,740 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1938 to September 1950 (monthly discharge only for October 1945 to September 1946, October 1947 to December 1948, published in WSP 1304), October 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 110.20 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Nov. 12, 1956, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	0400	22,900	18.09	Feb. 23	2000	22,800	18.07
Dec. 31	1500	41,800	26.38	Mar. 12	1200	*70,900	*36.54
Jan. 25	0200	20,200	16.69	Apr. 10	2100	20,600	16.90
Feb. 7	0800	34,400	23.39	Apr. 21	2400	28,500	20.82

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6180	10300	14900	40100	13300	17900	9650	11400	5690	2340	3500	2780
2	6910	9770	18000	34800	12900	16800	10200	12700	5750	2620	5250	3120
3	7750	9700	16000	22300	14000	15700	9000	14500	5240	2520	4380	6640
4	7710	9040	15000	13900	17700	14800	9580	13800	4960	2440	3870	10400
5	6130	9070	14300	11800	23900	14800	9970	16100	5020	2880	3710	10600
6	4100	8020	11800	11000	30500	15500	9830	17600	4490	2820	3430	12300
7	3190	7380	9720	11400	33900	14000	8580	17200	4690	3090	3370	12600
8	2920	6420	8680	14100	31500	18100	10600	16500	4610	3110	2970	9450
9	2880	5520	8190	18300	29900	29700	14300	14900	5320	2820	2580	7080
10	2580	5230	9260	16800	30600	47000	19500	12300	5740	3340	2450	5830
11	2610	5040	10300	15100	30900	64400	19400	11500	5470	3600	2760	4510
12	2240	4740	11200	15200	28000	70400	17700	9920	4390	2850	3190	4310
13	2070	7670	11400	16500	18800	68700	15100	10500	4420	3060	3520	3760
14	2130	8920	12600	16500	14300	66000	14000	9600	4040	3670	3880	3500
15	1690	11300	16100	15800	15700	62900	13800	9390	3680	4080	4280	3390
16	1950	12200	19700	15500	12800	57200	17000	8010	3610	4350	4490	3410
17	2400	12100	22200	14900	12100	48300	19900	7990	3520	4350	3990	3070
18	2010	11600	22300	15300	15900	38600	22700	7140	3220	4500	3730	3000
19	1900	11200	18100	15800	20000	29200	23200	7840	3380	4290	5150	2820
20	1880	10100	16100	16000	19200	23900	24900	6460	3340	4030	4740	2990
21	1920	7790	15200	14600	20600	22700	27300	5230	3620	3700	4650	3430
22	1920	7430	13000	14400	21700	19700	27800	5430	3850	3660	4150	4260
23	2010	7930	11200	16200	22500	16300	24900	4770	4630	3270	3980	4180
24	1890	7270	15000	18700	22400	14700	20300	4620	4560	3050	3290	3690
25	2220	8100	21300	19200	20100	13300	16600	4780	4530	2910	3040	3400
26	5840	7720	27000	16000	16000	12300	14300	4850	4260	2960	3100	3380
27	8110	7600	31700	14900	16100	11800	13100	4370	3820	3110	3410	3720
28	9000	7210	33600	16000	17600	11100	11500	4900	3390	3200	3270	3430
29	8740	6970	33900	14800	---	11300	10400	4750	2990	3140	3160	3630
30	9900	10500	37500	15000	---	10700	10100	4860	3350	3070	1970	7430
31	10700	---	41300	14200	---	9310	---	5390	---	3100	1730	---
TOTAL	133480	253840	566550	525100	582900	887110	475210	289300	129580	101930	110990	156110
MEAN	4306	8461	18280	16940	20820	28620	15840	9332	4319	3288	3580	5204
MAX	10700	12200	41300	40100	33900	70400	27800	17600	5750	4500	5250	12600
MIN	1690	4740	8190	11000	12100	9310	8580	4370	2990	2340	1730	2780
CFSM	.75	1.47	3.18	2.95	3.63	4.99	2.76	1.63	.75	.57	.62	.91
IN.	.87	1.65	3.67	3.40	3.78	5.75	3.08	1.87	.84	.66	.72	1.01

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3337	3680	5902	9023	11290	13300	10850	6452	4803	5161	4141	3149
MAX	10440	8461	18280	18990	20820	28620	28750	14770	10300	37690	9841	6557
(WY)	1965	1998	1998	1964	1998	1998	1944	1964	1973	1994	1994	1994
MIN	1566	1881	2243	2768	3457	5322	3943	2222	2064	1144	1173	1611
(WY)	1988	1991	1991	1981	1989	1981	1986	1986	1988	1986	1986	1990

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1938 - 1998

ANNUAL TOTAL	2647540	4212100	
ANNUAL MEAN	7254	11540	6697
HIGHEST ANNUAL MEAN			11540
LOWEST ANNUAL MEAN			3647
HIGHEST DAILY MEAN	41300	Dec 31	70400
LOWEST DAILY MEAN	1360	Sep 23	1690
ANNUAL SEVEN-DAY MINIMUM	1370	Sep 19	1930
INSTANTANEOUS PEAK FLOW			70900
INSTANTANEOUS PEAK STAGE			36.54
INSTANTANEOUS LOW FLOW			1620
ANNUAL RUNOFF (CFSM)	1.26		2.01
ANNUAL RUNOFF (INCHES)	17.16		27.30
10 PERCENT EXCEEDS	14700		22400
50 PERCENT EXCEEDS	5540		9000
90 PERCENT EXCEEDS	1960		2980
			790
			1.17
			15.85
			13500
			4750
			2180

a Oct 20 and Nov 10, 1940, due to regulation.

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT						
30...	1155	82213	9870	17.0	27	720
30...	1200	82213	9870	17.0	24	640
FEB						
26...	1253	82213	15400	14.0	13	541
26...	1258	82213	15400	14.0	14	582
MAY						
14...	1042	82213	10600	23.0	16	458
14...	1047	82213	10600	23.0	15	429
JUL						
09...	0952	82213	3330	30.0	5	45
09...	0957	82213	3330	30.0	6	54
AUG						
21...	1057	1028	4830	28.0	12	156
21...	1102	1028	4830	28.0	13	170

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
FEB												
26...	1345	82213	15300	4	8	12	19	35	77	100	100	100
26...	1346	82213	15300	--	--	--	1	6	49	95	100	100
26...	1347	82213	15300	--	--	1	11	27	55	87	100	100
26...	1348	82213	15300	--	--	1	30	82	97	100	100	100

APALACHICOLA RIVER BASIN

02353400 PACHITLA CREEK NEAR EDISON, GA.

LOCATION.--Lat 31°33'17", long 84°40'43", Calhoun County, Hydrologic Unit 03130009, on downstream side of bridge pier on State Highway 37, 2.2 mi upstream from Neals Creek, 3.6 mi east of Edison, and 8.5 mi upstream from mouth.

DRAINAGE AREA.--188 mi².

PERIOD OF RECORD.--Annual maximum, water years 1950-59 and occasional low-flow measurements, 1951-58, 1972-81. June 1959 to September 1971, March 1988 to current year.

REVISED RECORDS.--WDR GA-71-1: 1960 (M).

GAGE.--Water-stage recorder. Datum of gage is 212.64 ft above sea level. Mar. 17, 1949 to Mar. 16, 1955, crest-stage at same site and datum. Mar. 17, 1955 to June 9, 1959, crest-stage gage at site 200 ft downstream at same datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on July 10, 1916 reached a stage of 11.88 ft (from Georgia Department of Transportation), discharge, 11,800 ft³/s, from rating curve extended above 3,400 ft³/s on basis of slope-conveyance studies.

PEAK DISCHARGES FOR CURRENT YEAR--Peak discharges greater than base discharge of 1,100 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 1	0100	1,870	7.05	Feb. 18	0300	2,240	7.36
Dec. 25	2100	1,890	7.07	Mar. 9	0400	*17,500	*11.85
Jan. 8	2300	1,320	6.56	Apr. 10	0100	1,140	6.36
Feb. 4	1800	1,350	6.54	Sept. 4	1500	1,270	6.50

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	169	1610	303	281	613	366	282	208	76	804	69
2	92	247	913	278	288	426	379	274	150	64	787	89
3	84	289	487	267	559	364	408	256	123	69	539	525
4	81	195	342	262	1200	344	366	365	102	106	271	1170
5	78	155	302	260	1150	334	343	560	91	76	199	1070
6	76	139	268	345	712	410	322	424	110	65	164	557
7	74	156	236	576	485	681	313	295	202	61	140	285
8	73	182	221	1110	405	4300	440	308	169	60	121	211
9	72	158	218	1140	367	10200	920	318	130	110	116	182
10	71	138	314	699	346	1980	1010	250	122	466	130	159
11	71	128	403	445	338	1200	596	228	104	537	120	147
12	72	161	427	368	360	860	406	211	97	240	110	143
13	71	497	495	341	357	699	352	196	87	203	163	141
14	70	844	491	330	328	628	328	183	81	506	221	137
15	72	750	530	372	309	580	346	167	77	493	202	131
16	88	412	487	600	335	549	364	141	73	277	195	128
17	95	257	351	792	992	523	350	140	73	325	196	124
18	96	208	297	506	1830	534	362	140	69	326	226	126
19	101	189	267	383	934	872	598	137	64	221	194	137
20	101	181	248	373	588	991	650	132	63	160	168	143
21	96	174	237	354	456	737	550	129	70	136	143	190
22	94	184	246	336	438	566	416	118	71	132	123	310
23	87	214	279	442	608	498	334	115	72	133	109	322
24	95	206	482	553	713	466	295	117	62	145	103	222
25	211	183	1300	413	525	446	276	116	78	167	100	181
26	515	169	1370	341	407	428	264	114	289	319	89	163
27	483	162	784	362	455	414	251	109	255	281	74	177
28	545	162	598	439	732	402	246	112	164	168	69	180
29	348	238	485	374	---	394	247	106	119	175	66	306
30	200	1110	378	321	---	380	253	142	99	299	68	1320
31	166	---	335	299	---	373	---	180	---	497	72	---
TOTAL	4485	8257	15401	13984	16498	32192	12351	6365	3474	6893	6082	9045
MEAN	145	275	497	451	589	1038	412	205	116	222	196	302
MAX	545	1110	1610	1140	1830	10200	1010	560	289	537	804	1320
MIN	70	128	218	260	281	334	246	106	62	60	66	69
CFSM	.77	1.46	2.64	2.40	3.13	5.52	2.19	1.09	.62	1.18	1.04	1.60
IN.	.89	1.63	3.05	2.77	3.26	6.37	2.44	1.26	.69	1.36	1.20	1.79

APALACHICOLA RIVER BASIN

02353400 PACHITLA CREEK NEAR EDISON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	169	193	267	378	403	437	315	193	193	263	160	143
MAX	484	372	706	708	663	1038	679	533	445	1725	358	329
(WY)	1995	1995	1965	1962	1995	1998	1960	1971	1965	1994	1994	1994
MIN	48.1	111	114	128	157	205	127	92.1	53.3	98.8	62.0	52.4
(WY)	1969	1991	1989	1989	1968	1989	1968	1968	1988	1996	1988	1968
SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR					FOR 1998 WATER YEAR					WATER YEARS 1959 - 1998	
ANNUAL TOTAL	87606					135027						
ANNUAL MEAN	240					370					261	
HIGHEST ANNUAL MEAN											396	
LOWEST ANNUAL MEAN											139	
HIGHEST DAILY MEAN	1670					Feb 23					13500	
LOWEST DAILY MEAN	36					Sep 4					33	
ANNUAL SEVEN-DAY MINIMUM	37					Sep 16					36	
INSTANTANEOUS PEAK FLOW						17500					Mar 9	
INSTANTANEOUS PEAK STAGE						11.85					Mar 9	
INSTANTANEOUS LOW FLOW						57					Jul 3	
ANNUAL RUNOFF (CFSM)	1.28					1.97					1.39	
ANNUAL RUNOFF (INCHES)	17.33					26.72					18.88	
10 PERCENT EXCEEDS	487					688					485	
50 PERCENT EXCEEDS	177					262					173	
90 PERCENT EXCEEDS	64					81					82	

a From rating extended above 7,600 ft³/s based on slope-conveyance study

b From floodmarks

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.

LOCATION.--Lat 31°22'58", long 84°32'52", Baker County, Hydrologic Unit 03130009, on downstream end of left bank pier of bridge on State Highway 216 at Milford, 2.2 mi upstream from Alligator Creek, and 5.5 mi upstream from Chickasawhatchee Creek.

DRAINAGE AREA.--620 mi², approximately.

PERIOD OF RECORD.--September 1905 to December 1907, October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.3 ft above sea level (levels by Georgia Department of Transportation). Aug. 29, 1905 to Dec. 31, 1907, nonrecording gage at several sites within 450 ft of present site at various datums. Oct. 1, 1939 to Nov. 10, 1941, nonrecording gage at site 100 ft downstream at present datum.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.2 ft, from information by local resident; discharge, 15,500 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 2	1900	3,490	6.76	Feb. 6	2200	3,920	7.36
Dec. 27	2400	4,660	8.30	Feb. 20	1300	3,670	7.03
Jan. 10	0100	4,290	7.84	Mar. 9	2100	*22,800	*19.59

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	384	767	2340	1610	1210	1960	1120	831	487	218	767	189
2	314	636	3290	1420	1130	1930	1090	868	512	180	1030	204
3	277	675	3290	1270	1400	1750	1060	841	460	155	1290	423
4	252	712	2830	1100	2050	1530	1090	863	396	141	1200	914
5	241	613	2000	1100	3100	1350	1060	972	340	178	752	1510
6	230	532	1420	1100	3810	1300	1030	1170	324	155	458	1830
7	218	500	1140	1330	3570	1440	972	1430	377	129	376	1870
8	212	506	982	2340	2670	3410	1090	1480	443	121	334	1560
9	208	510	899	3800	1990	17200	1780	1160	424	120	306	999
10	206	493	1100	4060	1550	18800	2350	1000	392	208	289	689
11	206	471	1530	3370	1460	12200	2630	883	363	464	273	574
12	206	479	1660	2640	1410	7440	2720	791	327	625	268	522
13	206	984	1710	1900	1370	4250	1930	704	301	464	302	495
14	202	1570	1800	1620	1320	3030	1420	639	271	460	378	479
15	201	1790	1920	1540	1250	2450	1210	587	242	646	425	462
16	203	1850	1880	1700	1240	1910	1140	537	232	729	465	441
17	218	1770	1770	1810	1580	1640	1130	500	218	628	546	429
18	232	1490	1610	1920	2030	1620	1230	482	204	731	556	428
19	238	1130	1440	1980	3080	1560	1380	452	197	657	565	439
20	247	858	1260	1830	3570	1310	1460	434	186	502	535	447
21	248	739	1090	1600	2810	e1330	1750	408	177	389	508	480
22	243	697	1040	1440	2050	e1600	1900	399	182	326	443	565
23	238	730	1110	1570	1830	e1550	1610	389	187	300	362	729
24	238	730	1570	1690	1920	e1500	1360	375	193	284	319	816
25	286	703	2290	1690	1930	e1450	1100	367	179	306	270	731
26	619	649	3290	1600	1850	e1400	958	360	196	294	249	629
27	1320	606	4320	1480	1880	e1400	882	348	378	396	223	557
28	1530	589	4340	1440	2030	e1350	837	348	391	437	188	530
29	1140	658	3160	1420	---	e1300	814	350	330	344	178	614
30	1150	1490	2320	1370	---	e1250	802	377	269	387	184	1200
31	1010	---	1880	1300	---	e1200	---	445	---	568	185	---
TOTAL	12723	25927	62281	56040	57090	103410	40905	20790	9178	11542	14224	21755
MEAN	410	864	2009	1808	2039	3336	1364	671	306	372	459	725
MAX	1530	1850	4340	4060	3810	18800	2720	1480	512	731	1290	1870
MIN	201	471	899	1100	1130	1200	802	348	177	120	178	189
CFSM	.66	1.39	3.24	2.92	3.29	5.38	2.20	1.08	.49	.60	.74	1.17
IN.	.76	1.56	3.74	3.36	3.43	6.20	2.45	1.25	.55	.69	.85	1.31

e Estimated

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	451	503	831	1110	1290	1389	1102	703	559	636	499	415
MAX	1507	1461	2547	2383	2891	3336	3094	1871	1837	4382	1270	928
(WY)	1995	1948	1949	1964	1973	1998	1944	1971	1906	1994	1948	1994
MIN	141	215	241	304	414	315	374	208	147	96.6	140	145
(WY)	1969	1956	1956	1956	1989	1955	1968	1986	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1905 - 1998			
ANNUAL TOTAL	281766				435865							
ANNUAL MEAN	772				1194				786			
HIGHEST ANNUAL MEAN									1391			
LOWEST ANNUAL MEAN									340			
HIGHEST DAILY MEAN	4340				18800				30000			
LOWEST DAILY MEAN	97				120				48			
ANNUAL SEVEN-DAY MINIMUM	102				143				54			
INSTANTANEOUS PEAK FLOW					22800				a53000			
INSTANTANEOUS PEAK STAGE					19.59				b23.20			
INSTANTANEOUS LOW FLOW					111				45			
ANNUAL RUNOFF (CFSM)	1.25				1.93				1.27			
ANNUAL RUNOFF (INCHES)	16.91				26.15				17.22			
10 PERCENT EXCEEDS	1770				2030				1540			
50 PERCENT EXCEEDS	523				837				553			
90 PERCENT EXCEEDS	190				218				242			

a From rating curve extended above 13,000 ft³/s based on discharge measurement of flow in main channel and flow-over-road computation of peak flow

b From floodmarks

APALACHICOLA RIVER BASIN

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA.

LOCATION.--Lat 31°21'02", long 84°28'57", Baker County, Hydrologic Unit 03130009, at bridge on State Highway 37 at Elmodel, and 2 mi upstream from confluence with Ichawaynochaway Creek.

DRAINAGE AREA.--320 mi².

PERIOD OF RECORD.--October 1939 to December 1949, water years 1952-65 and 1970-83 (annual maximum), July 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.7 ft above sea level (levels by the Georgia Department of Transportation).

October 1, 1939 to October 30, 1941, non-recording gage at site approximately 100 ft upstream at present datum. October 31, 1941 to December 31, 1949, recording gage at present datum. September 25, 1951 to September 1965 and October 1970 to September 1983, non-recording gage at site 100 ft upstream and present datum.

REMARKS.--Records good. Discharge during growing season affected by undetermined amount of irrigation withdrawal.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1994 reached a stage of 20.0 ft, discharge 16,000 ft³/s from rating curve extended above 9,400 ft³/s. Minimum discharge observed 1.2 ft³/s, Oct. 21, 1954.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 4	1900	1,830	8.18	Feb. 8	0300	2,160	9.05
Dec. 28	1700	3,250	11.23	Feb. 23	0200	1,560	7.25
Jan. 11	2300	2,380	9.57	Mar. 11	0100	*10,400	*17.09

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	600	1060	1960	916	1390	640	281	33	8.3	11	7.3
2	80	482	1270	1710	869	1360	591	257	31	7.8	20	7.8
3	74	412	1510	1510	1050	1340	551	255	28	7.6	71	55
4	59	371	1790	1330	1320	1270	511	356	27	7.5	83	96
5	46	341	1760	1180	1470	1150	457	382	24	7.3	88	151
6	37	314	1570	1090	1710	1070	412	357	30	7.2	84	234
7	31	306	1360	1090	2050	1050	376	365	33	6.9	65	412
8	26	294	1170	1520	2110	1800	490	436	29	6.7	45	611
9	24	273	1000	1650	1900	3750	867	421	27	7.0	34	607
10	21	249	1230	1830	1680	8690	856	429	26	7.3	34	466
11	20	230	1200	2240	1480	9850	971	454	27	7.0	25	338
12	18	240	1170	2320	1320	7750	1150	415	25	6.6	21	255
13	16	511	1180	2080	1160	5550	1240	336	22	8.9	17	201
14	16	729	1280	1830	1030	4300	1140	269	18	9.7	14	160
15	15	903	1340	1700	939	3300	947	217	15	10	14	130
16	14	1040	1350	1640	892	2530	773	181	14	10	14	108
17	14	1120	1380	1530	1130	2050	658	158	13	9.9	15	93
18	15	1150	1380	1460	1190	1780	599	139	12	9.4	20	84
19	15	1070	1340	1400	1320	1730	579	123	12	8.9	30	76
20	15	927	1270	1330	1440	1640	598	109	11	8.9	43	71
21	15	780	1150	1240	1500	1590	570	94	10	8.3	49	82
22	15	673	1130	1160	1500	1610	555	79	9.9	8.1	53	97
23	15	603	1150	1270	1520	1630	539	67	9.6	7.9	44	107
24	15	555	1490	1290	1410	1540	495	54	9.3	8.1	33	113
25	23	527	1680	1290	1330	1370	447	46	9.3	7.9	24	126
26	187	502	1770	1310	1280	1190	394	40	9.6	7.8	18	147
27	398	465	2470	1330	1400	1040	346	37	9.4	7.6	14	158
28	623	431	3200	1280	1440	935	308	34	9.0	8.7	12	155
29	734	459	3080	1180	---	844	279	33	8.9	8.9	9.6	252
30	753	840	2690	1090	---	767	271	44	8.7	8.9	8.4	764
31	695	---	2280	1000	---	699	---	37	---	9.8	7.4	---
TOTAL	4103	17397	48700	45840	38356	76565	18610	6505	550.7	254.9	1020.4	6164.1
MEAN	132	580	1571	1479	1370	2470	620	210	18.4	8.22	32.9	205
MAX	753	1150	3200	2320	2110	9850	1240	454	33	10	88	764
MIN	14	230	1000	1000	869	699	271	33	8.7	6.6	7.4	7.3
CFSM	.41	1.81	4.91	4.62	4.28	7.72	1.94	.66	.06	.03	.10	.64
IN.	.48	2.02	5.66	5.33	4.46	8.90	2.16	.76	.06	.03	.12	.72

APALACHICOLA RIVER BASIN

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	107	163	426	605	699	991	659	313	129	171	166	95.4
MAX	540	714	1571	1479	1370	2470	1848	1004	401	507	472	275
(WY)	1949	1948	1998	1998	1998	1998	1944	1946	1946	1940	1946	1945
MIN	7.25	10.8	40.6	156	261	260	134	48.3	18.4	8.00	15.5	4.32
(WY)	1944	1944	1944	1945	1947	1945	1997	1941	1998	1996	1995	1995

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1940 - 1998			
ANNUAL TOTAL	146084.7				264066.1							
ANNUAL MEAN	400				723				381			
HIGHEST ANNUAL MEAN									723			
LOWEST ANNUAL MEAN									144			
HIGHEST DAILY MEAN	3200				9850				9850			
LOWEST DAILY MEAN	7.3				6.6				3.5			
ANNUAL SEVEN-DAY MINIMUM	8.3				7.0				3.7			
INSTANTANEOUS PEAK FLOW					10400				10400			
INSTANTANEOUS PEAK STAGE					17.09				17.09			
INSTANTANEOUS LOW FLOW					6.6				3.5			
ANNUAL RUNOFF (CFSM)	1.25				2.26				1.19			
ANNUAL RUNOFF (INCHES)	16.98				30.70				16.18			
10 PERCENT EXCEEDS	1190				1640				1030			
50 PERCENT EXCEEDS	169				382				161			
90 PERCENT EXCEEDS	15				9.5				26			

a Part or all of each day, July 7-9 and 11-13, 1998.

b Part or all of each day, September 8,10-13, 1995.

APALACHICOLA RIVER BASIN

02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA.

LOCATION.--Lat 31°17'42", long 84°29'17", Baker County, Hydrologic Unit 0313009, on right bank 50 ft below sampling dock, approximately 0.6 mi downstream of old dam site, 1.6 mi north of State Highway 200, 9 mi west-southwest of Newton, and 3.7 mi south of Elmodel.

DRAINAGE AREA.--1,000 mi², approximately.

PERIOD OF RECORD.--April 1995 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is 140 ft above sea level (from topographic map).

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Discharge during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base of 3500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 4	0900	4,960	13.14	Feb. 20	2100	5,190	13.45
Dec. 28	1800	9,120	17.79	Mar. 10	2000	*29,200	*31.19
Jan. 10	1600	6,380	14.93	Apr. 12	1000	4,070	11.83
Feb. 7	1500	6,210	14.73				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	491	1460	3140	3900	2150	3460	1850	1190	546	271	749	208
2	421	1170	4160	3310	2040	3350	1790	1200	574	224	978	222
3	380	1110	4820	2880	2410	3170	1720	1180	536	193	1260	467
4	343	1120	4870	2510	3310	2860	1700	1280	476	169	1300	1010
5	317	1020	4090	2330	4280	2590	1640	1400	424	201	975	1600
6	299	897	3120	2220	5460	e2500	1570	1540	402	189	615	2020
7	278	840	2550	2380	6120	e2600	1490	1750	437	161	492	2250
8	264	827	2200	3890	5530	e4000	1620	1950	495	148	423	2270
9	255	813	1950	5270	4350	e11000	2600	1700	492	143	392	1780
10	247	770	2390	6310	3410	e28000	3170	1530	458	189	368	1270
11	244	720	2780	6310	2970	e27000	3550	1440	434	411	337	976
12	240	725	2910	5760	2740	e22000	3980	1300	404	622	332	810
13	237	1370	2950	4550	2530	e16000	3440	1140	370	548	340	701
14	232	2130	3100	3690	2350	e10000	2660	995	343	474	412	631
15	228	2520	3290	3340	2200	e7600	2230	878	309	626	460	578
16	227	2750	3280	3460	2130	e6000	1980	781	290	757	501	531
17	238	2800	3180	3430	2780	e4800	1870	702	274	677	568	499
18	256	2600	3020	3410	3240	3910	1850	656	254	732	608	484
19	262	2230	2790	3420	4050	3840	1970	607	249	721	624	484
20	271	1860	2540	3250	5040	3980	2060	570	237	576	609	488
21	275	1600	2280	2910	4760	4300	2260	534	223	458	591	516
22	267	1440	2230	2630	3830	4480	2510	509	221	384	542	601
23	261	1390	2310	2830	3470	4030	2270	489	226	353	459	776
24	256	1340	3210	3010	3390	3370	1960	467	232	322	407	914
25	293	1290	4100	3000	3300	2980	1700	449	229	353	344	874
26	653	1220	5070	2920	3170	2690	1500	438	220	329	311	781
27	1470	1140	6910	2810	3310	2460	1350	426	370	399	277	703
28	2030	1080	8850	2710	3570	2300	1250	420	437	484	238	658
29	1840	1140	8230	2580	---	2160	1190	421	392	413	212	805
30	1830	2190	6230	2460	---	2050	1170	454	328	413	214	1810
31	1740	---	4790	2310	---	1950	---	495	---	547	206	---
TOTAL	16645	43562	117340	105790	97890	201430	61900	28891	10882	12487	16144	27717
MEAN	537	1452	3785	3413	3496	6498	2063	932	363	403	521	924
MAX	2030	2800	8850	6310	6120	28000	3980	1950	574	757	1300	2270
MIN	227	720	1950	2220	2040	1950	1170	420	220	143	206	208
CFSM	.54	1.45	3.79	3.41	3.50	6.50	2.06	.93	.36	.40	.52	.92
IN.	.62	1.62	4.37	3.94	3.64	7.49	2.30	1.07	.40	.46	.60	1.03

e Estimated

APALACHICOLA RIVER BASIN

02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	551	900	1824	2083	2645	3338	1500	773	580	400	419	493
MAX	657	1452	3785	3413	3496	6498	2063	932	900	467	521	924
(WY)	1997	1998	1998	1998	1998	1998	1998	1998	1995	1997	1998	1998
MIN	460	599	794	991	1812	1424	716	572	363	303	338	202
(WY)	1996	1997	1996	1996	1996	1997	1997	1995	1998	1996	1995	1997

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1995 - 1998			
ANNUAL TOTAL	449662				740678							
ANNUAL MEAN	1232				2029				1290			
HIGHEST ANNUAL MEAN									2029			
LOWEST ANNUAL MEAN									915			
HIGHEST DAILY MEAN	8850				28000				28000			
LOWEST DAILY MEAN	128				143				128			
ANNUAL SEVEN-DAY MINIMUM	132				171				132			
INSTANTANEOUS PEAK FLOW					29200				29200			
INSTANTANEOUS PEAK STAGE					a31.19				a31.19			
INSTANTANEOUS LOW FLOW					140				127			
ANNUAL RUNOFF (CFSM)	1.23				2.03				1.29			
ANNUAL RUNOFF (INCHES)	16.73				27.55				17.52			
10 PERCENT EXCEEDS	2910				4010				2750			
50 PERCENT EXCEEDS	740				1290				669			
90 PERCENT EXCEEDS	231				262				272			

a From floodmarks

b Part of each day September 2 and 5-8, 1997

APALACHICOLA RIVER BASIN

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA.

LOCATION.--Lat 31°12'48", long 84°28'24", Baker County, Hydrologic Unit 03130009, on right bank 75 ft below steel truss bridge, approximately 1600 ft upstream from bridge on State Highway 91, 11 mi southwest of Newton.

DRAINAGE AREA.--1040 mi², approximately.

PERIOD OF RECORD.--October 1920 to June 1921 (discharge measurements and fragmentary gage-height record), October 1937 to September 1947 (published as 02355000 Ichawaynochaway Creek "near Newton"), monthly discharge only for April to September 1939 published in WSP 1301. April 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 98.67 ft above sea level. October 9, 1920 to June 30, 1921, non-recording gage at site 5 mi upstream at datum 15.1 ft higher. August 10, 1937 to April 1, 1939, non-recording gage at present site and approximately same datum. September 21, 1939 to November 24, 1941, non-recording gage at site 5 mi upstream at datum 15.1 ft higher. November 25, 1941 to September 30 1947, recording gage at site 5 mi upstream at datum 15.1 ft higher.

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow. Periods of monthly discharge only and fragmentary records are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since 1916, 36.50 ft, July 9, 1994, in backwater from the Flint River.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	554	1520	e3200	e5200	2420	e4000	2080	1280	611	328	733	256
2	474	1240	e4300	e4000	2260	e3800	1990	1290	641	289	915	266
3	427	1140	e5300	e3500	2540	e3600	1900	1260	618	260	1180	423
4	388	1140	e5700	3020	e3500	3270	1860	1330	554	238	1300	888
5	356	1070	e4800	2670	e4700	2930	1790	1450	494	247	1060	1410
6	335	960	e3800	2510	e5900	2710	1720	1590	462	251	729	1900
7	316	897	2830	2560	e7200	2700	1630	1780	480	230	575	2210
8	302	874	2440	e4100	e6400	e4000	1660	2060	540	213	488	2340
9	291	861	2130	e5500	e5400	e13000	2680	1840	560	207	447	1880
10	283	828	2440	e6600	e4200	e30000	e3400	1620	523	224	418	1390
11	278	786	2930	e6900	e3700	e31000	e3900	1530	493	371	386	1070
12	273	774	3110	e6500	e3300	e29000	e4400	1410	465	616	375	895
13	270	1200	3160	e5400	e3000	e23000	e4020	1250	428	618	366	788
14	267	2000	3270	e4500	2740	e17000	3110	1100	401	512	429	716
15	261	2520	e3500	e3800	2520	e12000	2570	984	367	622	484	658
16	260	2830	e3600	e3900	2390	e8800	2250	889	345	768	529	604
17	264	2950	e3700	e3800	2900	e7000	2140	817	332	738	585	564
18	283	2820	e3600	e3800	e3600	e5600	2200	770	315	738	648	542
19	288	2450	3260	e3800	e4400	e5000	2440	718	308	773	674	536
20	294	2030	2890	e3600	e5300	e5200	2650	676	299	660	661	536
21	301	1710	2600	3340	e5800	e5600	3100	638	285	527	643	555
22	296	1530	2440	3000	e5000	e5500	e3440	603	278	444	602	628
23	290	1460	2490	3120	e4300	e5000	e3010	580	282	402	521	764
24	286	1410	e3300	3400	e4100	e4300	2510	555	287	368	456	900
25	304	1360	e4300	3490	e3900	e3800	1920	530	282	385	397	902
26	544	1290	e5200	3340	e3600	3160	1650	515	278	368	357	825
27	1260	1210	e6900	3160	e3600	2880	1490	499	358	405	329	760
28	1900	1140	e9000	3070	e4000	2670	1370	489	471	512	299	714
29	1830	1140	e9500	2940	---	2500	1300	488	440	461	271	783
30	1790	2010	e8000	2780	---	2350	1260	514	379	443	266	1580
31	1740	---	e6500	2610	---	2220	---	546	---	541	259	---
TOTAL	17005	45150	130190	119910	112670	253590	71440	31601	12576	13759	17382	28283
MEAN	549	1505	4200	3868	4024	8180	2381	1019	419	444	561	943
MAX	1900	2950	9500	6900	7200	31000	4400	2060	641	773	1300	2340
MIN	260	774	2130	2510	2260	2220	1260	488	278	207	259	256
CFSM	.53	1.45	4.04	3.72	3.87	7.87	2.29	.98	.40	.43	.54	.91
IN.	.61	1.61	4.66	4.29	4.03	9.07	2.56	1.13	.45	.49	.62	1.01

e Estimated

APALACHICOLA RIVER BASIN

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	529	666	1084	1665	1920	2755	1922	1129	763	803	753	602
MAX	712	1505	4200	3868	4024	8180	5420	2949	1733	1765	1656	1076
(WY)	1947	1998	1998	1998	1998	1998	1944	1946	1946	1946	1946	1946
MIN	256	340	476	565	830	830	794	437	308	344	378	235
(WY)	1944	1939	1939	1939	1938	1938	1997	1941	1941	1996	1995	1997

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1937 - 1998			
ANNUAL TOTAL	488835				853556							
ANNUAL MEAN	1339				2339				1238			
HIGHEST ANNUAL MEAN									2339			
LOWEST ANNUAL MEAN									690			
HIGHEST DAILY MEAN	9500				Dec 29				31000			
LOWEST DAILY MEAN	169				Sep 8				207			
ANNUAL SEVEN-DAY MINIMUM	174				Sep 3				230			
INSTANTANEOUS PEAK FLOW					Unkown				Mar 11			
INSTANTANEOUS PEAK STAGE					a33.30				Mar 11			
INSTANTANEOUS LOW FLOW					b205				Jul 9			
ANNUAL RUNOFF (CFSM)	1.29				2.25				c168			
ANNUAL RUNOFF (INCHES)	17.49				30.53				16.18			
10 PERCENT EXCEEDS	3200				4880				2520			
50 PERCENT EXCEEDS	820				1330				780			
90 PERCENT EXCEEDS	272				299				353			

- a Backwater from Flint River
b Gage height, 2.21 ft.
c Gage height, 2.09 ft.

APALACHICOLA RIVER BASIN

02356000 FLINT RIVER AT BAINBRIDGE, GA.

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

DRAINAGE AREA.--7,570 mi², approximately.

PERIOD OF RECORD.--

Discharge: October 1907 to December 1913, October 1928 to September 1971. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to September 1973.

Annual peaks: Water years 1972-76, 1978 to current year.

Continuous gage-height record: August 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 58.06 ft above sea level. Prior to Dec. 31, 1913, nonrecording gage at same site at datum 0.3 ft higher. Oct. 1, 1928 to Jan. 14, 1929, nonrecording gage at present site and datum. Auxiliary water-stage recorder at site 6.4 mi upstream Jan. 15, 1957 to September 1971.

REMARKS.--Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff.

AVERAGE DISCHARGE.--49 years (water years 1908-13, 1929-71), 8,740 ft³/s, 15.68 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108,000 ft³/s July 14, 1994; gage height, 37.20 ft; minimum daily, 1,340 ft³/s Sept. 25, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 40.9 ft, present datum, Jan. 24, 1925, discharge 101,000 ft³/s, from rating curve extended above 70,000 ft³/s on basis of slope-conveyance studies.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 90,200 ft³/s, Mar. 13, gage height, 34.65 ft.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.80	19.89	20.82	26.80	21.15	22.34	20.41	20.61	19.15	19.05	19.14	18.19
2	18.99	19.99	21.59	26.32	20.92	22.42	20.45	20.77	19.21	19.11	19.20	18.36
3	19.22	19.98	21.77	25.01	20.92	22.14	20.35	21.03	19.19	19.17	19.10	19.18
4	19.34	19.94	21.54	22.29	21.52	21.78	---	21.22	19.08	19.18	19.07	19.90
5	19.33	20.00	21.48	21.08	22.76	21.69	---	21.51	19.21	19.00	18.94	20.13
6	19.09	19.97	21.08	20.68	24.05	21.60	---	21.92	19.21	18.92	18.86	20.29
7	19.02	19.96	20.14	20.77	25.22	21.68	---	21.90	18.94	18.88	18.86	20.71
8	18.95	19.70	19.62	21.20	25.53	21.66	---	21.84	18.83	18.89	18.89	20.71
9	18.93	19.27	19.42	22.09	25.09	24.05	---	21.50	18.93	18.99	18.88	20.12
10	18.88	19.01	19.56	22.62	24.82	27.21	---	21.44	19.05	19.18	18.80	19.62
11	18.70	19.00	20.07	22.37	24.85	31.07	22.86	20.68	19.09	19.32	18.83	19.12
12	18.43	19.02	20.59	22.10	24.73	33.82	22.80	20.43	19.11	19.23	18.88	19.05
13	18.19	19.45	20.74	22.17	23.75	34.49	22.41	20.21	19.08	19.17	19.05	18.83
14	18.01	20.16	20.84	22.21	21.98	33.73	21.75	20.51	19.03	19.24	19.04	18.51
15	17.83	20.22	21.17	21.99	21.55	32.85	21.58	20.26	18.95	19.35	18.92	18.50
16	17.69	20.66	21.91	21.92	21.57	31.91	21.77	20.46	18.84	19.25	18.71	18.45
17	17.70	20.72	22.48	21.77	21.35	30.64	22.42	20.12	18.91	18.93	18.61	18.68
18	17.72	20.64	22.84	21.79	21.49	28.97	22.92	19.82	19.07	18.68	18.64	18.78
19	17.76	20.39	22.54	21.94	22.54	27.12	23.22	19.76	19.22	18.54	18.84	18.86
20	17.68	20.24	21.82	21.77	22.92	25.26	23.41	19.74	19.26	18.39	18.96	18.96
21	17.65	19.95	21.51	21.73	23.05	24.46	23.84	19.70	19.24	18.52	19.19	19.25
22	17.65	19.70	21.14	21.39	23.30	24.13	24.30	19.60	19.21	18.72	19.05	19.20
23	17.68	19.79	20.75	21.57	23.31	23.16	24.19	19.70	19.33	18.87	18.88	19.01
24	17.70	19.68	20.87	22.07	23.31	22.50	23.45	19.61	19.40	18.91	18.76	18.91
25	17.78	19.60	21.97	22.50	23.12	22.00	22.35	19.59	19.40	18.93	18.82	18.86
26	18.01	19.80	23.21	22.30	22.53	21.40	21.41	19.59	19.44	18.92	18.76	18.63
27	18.70	19.82	24.37	21.80	21.94	21.22	20.63	19.50	19.31	18.95	18.65	18.55
28	19.12	19.68	25.23	21.73	22.27	21.05	20.60	19.21	19.21	18.99	18.55	18.45
29	19.28	19.72	25.77	21.67	---	20.68	20.64	19.03	19.09	19.07	18.53	18.65
30	19.40	20.01	25.98	21.36	---	20.61	20.45	19.04	19.06	19.05	18.40	19.21
31	19.72	---	26.49	21.43	---	20.68	---	19.15	---	19.06	18.17	---
MEAN	18.48	19.87	21.91	22.21	22.91	25.11	---	20.30	19.14	18.98	18.84	19.12
MAX	19.72	20.72	26.49	26.80	25.53	34.49	---	21.92	19.44	19.35	19.20	20.71
MIN	17.65	19.00	19.42	20.68	20.92	20.61	---	19.03	18.83	18.39	18.17	18.19
CAL YR 1997	MEAN 19.54		MAX 26.49		MIN 16.94							

APALACHICOLA RIVER BASIN

02356015 FLINT RIVER BELOW BAINBRIDGE, GA.

LOCATION.--Lat 30°53'34", long 84°36'38", Decatur County, Hydrologic Unit 03130008, at Bainbridge, 0.8 mi downstream from State Docks, and at mile 26.5.

DRAINAGE AREA.--7,570 mi², approximately.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 29...	0910	81341	19.26	86	83	7.3	7.2	18.0	14.0	8.4	88
NOV 19...	0910	81341	20.39	93	89	7.9	7.6	12.0	10.0	9.6	89
DEC 10...	0850	81341	19.47	136	130	7.5	7.6	13.5	23.0	9.4	91
JAN 26...	1150	81341	22.38	84	82	7.0	7.2	12.6	13.0	9.8	92
FEB 23...	1105	81341	23.46	74	73	7.3	6.7	14.1	15.0	7.8	77
MAR 24...	1100	81341	22.58	104	103	7.1	6.9	15.2	22.5	8.2	81
30...	1030	81341	20.69	123	120	7.2	7.3	19.0	28.0	8.2	89
MAY 27...	1032	81341	19.47	163	142	--	7.7	25.9	33.5	6.1	76
JUN 24...	1000	81341	19.44	156	151	--	7.5	27.9	32.0	6.1	78
JUL 01...	0900	81341	19.02	160	156	--	7.5	28.5	32.0	7.3	94
AUG 06...	0930	81341	18.89	131	126	--	7.5	27.5	28.0	6.4	82
SEP 02...	1000	81341	18.30	163	158	--	7.7	27.1	25.5	6.3	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L) (00530)
OCT 29...	81341	30	15	1.1	20	13
NOV 19...	81341	100	13	1.0	26	6
DEC 10...	81341	90	11	<1.0	48	4
JAN 26...	81341	70	18	<1.0	28	7
FEB 23...	81341	120	17	1.1	22	9
MAR 24...	81341	--	14	1.0	42	--
30...	81341	55	10	<1.0	48	9
MAY 27...	81341	25	6.0	<1.0	65	3
JUN 24...	81341	15	3.0	<1.0	60	3
JUL 01...	81341	5	4.0	<1.0	60	4
AUG 06...	81341	35	7.0	<1.0	46	5
SEP 02...	81341	15	2.0	<1.0	64	1

APALACHICOLA RIVER BASIN

02356015 FLINT RIVER BELOW BAINBRIDGE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 29...	81341	.350	<.030	--	.50	.85	.050	6.0
NOV 19...	81341	.400	.050	.35	.40	.80	.040	6.0
DEC 10...	81341	.990	.410	.39	.80	1.8	.060	5.0
JAN 26...	81341	.510	.040	.26	.30	.81	.040	5.0
FEB 23...	81341	.510	.110	.19	.30	.81	.050	4.0
MAR 24...	81341	.630	.030	.37	.40	1.0	.030	4.0
30...	81341	.820	.080	.32	.40	1.2	.040	4.0
MAY 27...	81341	1.26	.190	.31	.50	1.8	.050	2.0
JUN 24...	81341	.900	.060	.04	.10	1.0	.030	3.0
JUL 01...	81341	1.00	.090	.21	.30	1.3	.020	3.0
AUG 06...	81341	.720	.040	.26	.30	1.0	.030	4.0
SEP 02...	81341	1.07	<.030	--	.20	1.3	.030	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 29...	0910	81341	19.26	86	7.3	18.0	14.0	8.4	88	310
NOV 04...	0845	81213	19.92	95	7.3	16.5	9.0	8.1	83	330
12...	0915	81213	18.93	126	7.6	15.5	13.5	8.0	80	20
19...	0910	81341	20.39	93	7.9	12.0	10.0	9.6	89	60
DEC 10...	0850	81341	19.47	136	7.5	13.5	23.0	9.4	91	70
FEB 23...	1105	81341	23.46	74	7.3	14.1	15.0	7.8	77	20
MAR 02...	1215	81213	22.58	86	7.1	16.3	15.5	8.6	88	170
09...	1045	81213	24.17	73	7.1	15.0	10.0	8.5	85	790
24...	1100	81341	22.58	104	7.1	15.2	22.5	8.2	81	50
MAY 27...	1032	81341	19.47	163	--	25.9	33.5	6.1	76	<20
JUN 01...	1045	81213	19.15	159	--	26.9	31.0	5.4	68	<20
08...	1055	81213	18.74	121	7.5	25.9	28.0	6.2	75	20
24...	1000	81341	19.44	156	--	27.9	32.0	6.1	78	70
AUG 06...	0930	81341	18.89	131	--	27.5	28.0	6.4	82	<20
10...	1000	81213	18.72	152	--	27.3	30.0	8.1	102	<20
17...	1125	81213	18.55	138	7.5	27.7	29.5	6.5	82	<20
SEP 02...	1000	81341	18.30	163	--	27.1	25.5	6.3	79	50

APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA.

LOCATION.--Lat 31°02'23", long 84°44'18", Decatur County, Hydrologic Unit 03130010, on right bank 25 ft downstream from county bridge, 1.5 mi downstream from Aycock Creek, 1.5 mi upstream from Dry Creek, 5.0 mi north of Brinson, and 5.5 mi northeast of Iron City.

DRAINAGE AREA.--485 mi², approximately.

PERIOD OF RECORD.--November 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year. Monthly discharge only for November 1920 to June 1921, published in WSP 1304.

REVISED RECORDS.--WDR GA-91-1: 1983-84.

GAGE.--Water-stage recorder. Datum of gage is 85.7 ft above sea level. Oct. 21, 1920 to June 30, 1921, nonrecording gage at site 125 ft upstream at different datum, June 11, 1937 to Oct. 17, 1952, nonrecording gage at site 125 ft upstream at present datum, Oct. 18, 1952 to April 1971, recording gage at same site and datum as present, May 1971 to Dec. 1976, nonrecording gage at same site and datum as present.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 4	0400	2,200	11.82	Feb. 7	0900	3,050	13.26
Dec. 15	0400	2,010	11.32	Feb. 20	0300	2,380	12.16
Dec. 28	1100	5,760	16.00	Mar. 1	1500	2,390	12.18
Jan. 10	0100	5,880	16.09	Mar. 10	1300	*34,500	*24.40

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	295	861	2260	1120	2350	688	313	70	10	113	45
2	62	232	1170	1850	1070	2280	653	295	63	10	182	47
3	58	185	1880	1590	1200	2040	630	278	56	9.7	288	137
4	56	159	2130	1420	1590	1710	606	293	49	11	417	440
5	54	151	1650	1300	2150	1440	574	314	43	9.8	411	607
6	52	161	1250	1230	2670	1310	541	318	39	9.1	284	818
7	50	176	1010	1330	3010	1320	513	319	37	9.3	202	932
8	48	174	890	3140	2590	2490	520	325	37	9.6	164	878
9	46	158	818	5480	2000	e15000	597	290	37	10	144	689
10	45	149	794	5760	1630	e32000	642	246	35	9.2	128	491
11	44	140	977	4850	1440	e19000	1060	232	32	9.0	118	382
12	44	141	1550	3600	1340	e9000	1910	225	30	8.9	107	331
13	44	259	1770	2660	1260	4820	1480	194	29	11	97	294
14	43	374	1880	2110	1200	3210	1020	165	27	12	90	265
15	43	485	1990	1900	1150	2460	794	144	24	11	82	243
16	42	656	1920	2010	1120	2020	676	128	22	19	81	226
17	42	848	1820	2330	1460	1720	609	118	21	26	87	215
18	43	861	1650	2460	2000	1540	576	110	19	34	86	230
19	43	750	1490	2420	2340	1450	556	102	17	59	103	228
20	42	628	1310	2140	2360	1480	547	92	16	77	124	216
21	42	549	1150	1780	2160	1490	525	84	15	66	116	223
22	41	500	1150	1540	1810	1600	535	80	15	58	105	254
23	40	481	1340	1530	1640	1610	539	74	14	55	96	283
24	40	447	1580	1650	1680	1410	502	69	13	53	89	288
25	40	427	2440	1760	1760	1200	445	64	13	51	82	273
26	49	420	3810	1760	1750	1040	401	61	13	48	74	272
27	57	409	5060	1690	1740	946	365	56	12	48	66	261
28	77	396	5660	1530	2010	882	340	53	12	56	59	242
29	122	399	4800	1390	---	835	325	56	11	77	54	458
30	193	595	3670	1280	---	785	316	78	11	79	50	1450
31	298	---	2890	1200	---	732	---	79	---	93	47	---
TOTAL	1966	11605	62360	68950	49250	121170	19485	5255	832	1048.6	4146	11718
MEAN	63.4	387	2012	2224	1759	3909	650	170	27.7	33.8	134	391
MAX	298	861	5660	5760	3010	32000	1910	325	70	93	417	1450
MIN	40	140	794	1200	1070	732	316	53	11	8.9	47	45
CFSM	.13	.80	4.15	4.59	3.63	8.06	1.34	.35	.06	.07	.28	.81
IN.	.15	.89	4.78	5.29	3.78	9.29	1.49	.40	.06	.08	.32	.90

e Estimated

APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	206	189	422	750	966	1290	865	421	302	308	267	200
MAX	1364	1042	2101	2689	2515	3909	2577	2165	1325	2310	1291	1133
(WY)	1958	1948	1949	1993	1983	1998	1944	1946	1989	1994	1939	1937
MIN	10.8	14.0	24.0	42.8	108	78.6	186	70.6	27.7	10.5	9.12	17.5
(WY)	1955	1955	1955	1955	1951	1955	1968	1986	1998	1986	1986	1990

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1937 - 1998			
ANNUAL TOTAL	226861				357785.6							
ANNUAL MEAN	622				980				511			
HIGHEST ANNUAL MEAN									1096			
LOWEST ANNUAL MEAN									98.8			
HIGHEST DAILY MEAN	5660				Dec 28				32000			
LOWEST DAILY MEAN	37				Sep 23				Jul 12			
ANNUAL SEVEN-DAY MINIMUM	39				Sep 19				Jul 6			
INSTANTANEOUS PEAK FLOW									Mar 10			
INSTANTANEOUS PEAK STAGE									a24.40			
INSTANTANEOUS LOW FLOW									Jul 8			
ANNUAL RUNOFF (CFSM)	1.28				2.02				5.0			
ANNUAL RUNOFF (INCHES)	17.40				27.44				14.33			
10 PERCENT EXCEEDS	1560				2120				1230			
50 PERCENT EXCEEDS	353				318				240			
90 PERCENT EXCEEDS	49				31				51			

a From floodmarks.

b From rating curve extended above 21,000 ft³/s on basis of flow-over-road measurement of peak flow.

c August 14,15,18, and 19, 1986 and August 22,23, 1990.

LAKES IN APALACHICOLA RIVER BASIN

02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA.

LOCATION.--Lat 34°04'30", long 84°04'20", Forsyth County, Hydrologic Unit 03130001, at forebay of dam on Chattahoochee River, 2.5 mi upstream from bridge on State Highway 20, 4.5 mi northwest of Buford, Ga., and at mile 348.3.

DRAINAGE AREA.--1,040 mi², approximately.

PERIOD OF RECORD.--January 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by a rolled-fill earth dam. Storage began in January 1956; dam completed in June 1957. Usable capacity, 1,686,000 acre-ft between elevations 1,035 ft and 1,085 ft. Dead storage, 868,000 acre-ft. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 2,205,200 acre-ft Apr. 14, 1964, elevation, 1,077.20 ft; minimum, after beginning operation, 1,329,300 acre-ft Dec. 23, 24, 1981, elevation, 1,052.66 ft

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,036,400 acre-ft May 2, elevation, 1,073.07 ft; minimum, 1,727,500 acre-ft Sept. 30, elevation, 1,064.84 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1066.55	1789000	-	-
Oct. 31.....	1067.34	1817800	+28800	+468
Nov. 30.....	1067.47	1822600	+4800	+81
Dec. 31.....	1068.07	1844800	+22200	+361
CAL YR 1997	-	-	+49400	+68
Jan. 31.....	1070.14	1922400	+77600	+1262
Feb. 28.....	1070.59	1939500	+17100	+308
Mar. 31.....	1070.46	1934600	-4900	-80
Apr. 30.....	1072.74	2023400	+88800	+1492
May 31.....	1072.03	1995400	-28000	-455
June 30.....	1070.93	1952500	-42900	-721
July 31.....	1068.00	1842200	-110300	-1794
Aug. 31.....	1067.04	1806700	-35500	-577
Sept. 30.....	1064.84	1727500	-79200	-1331
WTR YR 1998	-	-	-61500	-85

LAKES IN APALACHICOLA RIVER BASIN--Continued

02339400 WEST POINT LAKE NEAR WEST POINT, GA.

LOCATION.--Lat 32°55'05", long 85°11'17", Troup County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 2.3 mi upstream from Oseligee Creek, 3.0 mi north of West Point, Ga., 3.2 mi upstream from bridge on U.S. Highway 29, and at mile 201.4.

DRAINAGE AREA, 3,440 mi², approximately.

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

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by concrete gravity dam with earth dikes at either side. Spillway (crest elevation, 597 ft) is equipped with six tainter gates 50 ft wide by 41 ft high. Storage began Oct. 16, 1974; lake reached maximum power pool, 635 ft, on June 10, 1975. Total capacity at elevation, 641 ft; maximum flood control pool, 774,800 acre-ft Capacity at elevation, 635 ft, maximum power pool, 604,500 acre-ft Dead storage below elevation 620 ft, minimum power pool, 298,400 acre-ft Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 690,700 acre-ft April 16, 1979, elevation, 638.17 ft; minimum, since first filling, 295,200 acre-ft, Nov. 8, 1985, elevation, 619.80 ft

EXTREMES FOR CURRENT YEAR: Maximum contents, 659,300 acre-ft June 19, elevation, 637.05 ft; minimum, 402,800 acre-ft Sep. 24, elevation, 626.94 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	631.59	521000	-	-
Oct. 31.....	630.62	498900	-22100	-358
Nov. 30.....	629.12	465900	-33000	-555
Dec. 31.....	628.67	456300	-9600	-156
CAL YR 1996	-	-	-36500	-50
Jan. 31.....	631.37	515900	+59600	+969
Feb. 28.....	631.56	520300	+4400	+79
Mar. 31.....	631.32	514800	-5500	-89
Apr. 30.....	635.70	622900	+108100	+1817
May 31.....	636.29	638600	+15700	+255
June 30.....	636.19	635900	-2700	-45
July 31.....	635.05	605800	-30100	-490
Aug. 31.....	633.65	570400	-35400	-576
Sept. 30.....	632.21	535500	-34900	-587
WTR YR 1997	-	-	+14500	+20

LAKES IN APALACHICOLA RIVER BASIN--Continued

02341000 LAKE HARDING NEAR COLUMBUS, GA.

LOCATION.--Lat 32°39'46", long 85°05'27", Harris County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 3.3 mi upstream from Mulberry Creek, 15 mi northwest of Columbus, Ga., and at mile 178.0.

DRAINAGE AREA.--4,240 mi², approximately.

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Reservoir is formed by concrete gravity dam with earth fill abutments. Spillway (crest elevation, 500.0 ft) is equipped with 19 tainter gates 25 ft wide by 21 ft high and two trash gates 11 ft wide by 9 ft high. Storage began in 1926; water in reservoir first reached minimum pool elevation in 1926. Total capacity at elevation 521.0 ft, top of gates, is 181,000 acre-ft, of which 136,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and month-end elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)*	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	520.8	180000	-	-
Oct. 31.....	512.4	134000	-46000	-748
Nov. 30.....	520.6	179000	+45000	+756
Dec. 31.....	520.6	179000	0	0
CAL YR 1997	-	-	+2000	+3
Jan. 31.....	520.5	178000	-1000	-16
Feb. 28.....	519.9	174000	-4000	-72
Mar. 31.....	520.4	177000	+3000	+49
Apr. 30.....	519.9	174000	-3000	-50
May 31.....	520.7	179000	+5000	+81
June 30.....	520.4	177000	-2000	-34
July 31.....	520.6	179000	+2000	+33
Aug. 31.....	520.9	180000	+1000	+16
Sept. 30.....	519.5	172000	-8000	-134
WTR YR 1998	-	-	-8000	-11

* Elevation at 0700 on day following that shown in first column.

LAKES IN APALACHICOLA RIVER BASIN--Continued

02343240 WALTER F. GEORGE LAKE NEAR FORT GAINES, GA.

LOCATION.--Lat 31°37'27", long 85°04'03", Clay County, Hydrologic Unit 03130003, at forebay of dam on Chattahoochee River, 1.6 mi upstream from bridge on State Highway 37, 1 mi north of Ft. Gaines, Ga., and at mile 75.0.

DRAINAGE AREA.--7,460 mi², approximately.

PERIOD OF RECORD.--May 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by concrete gravity dam and navigation lock with earth dikes on either side. The nonoverflow section at the dam includes a powerhouse. Filling began in May 1962. Power operations commenced on Mar. 13, 1963. The spillway (crest elevation, 163.0 ft) is equipped with 14 tainter gates 42 ft wide by 29 ft high. Total capacity at elevation 190.0 ft, full summer pool, 934,400 acre-ft, of which 244,400 acre-ft between elevations 190.0 and 184.0 ft, minimum pool, is controlled storage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 1,160,900 acre-ft Mar. 19, 1990, elevation, 194.60 ft; minimum, after first filling, 660,400 acre-ft Apr. 23, 1965, elevation, 183.17 ft

EXTREMES FOR CURRENT YEAR: Maximum contents, 960,200 acre-ft Feb. 16, elevation, 190.56 ft; minimum, 717,800 acre-ft Sep. 23, elevation, 184.75 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	186.91	801900	-	-
Oct. 31.....	185.26	737100	-64800	-1054
Nov. 30.....	185.96	764100	+27000	+454
Dec. 31.....	187.14	811300	+47200	+768
CAL YR 1996	-	-	-32100	-44
Jan. 31.....	188.38	863400	+52100	+847
Feb. 28.....	188.33	861300	-2100	-38
Mar. 31.....	188.29	859500	-1800	-29
Apr. 30.....	190.09	938600	+79100	+1329
May 31.....	189.20	898900	-39700	-646
June 30.....	190.28	947300	+48400	+813
July 31.....	188.88	884800	-62500	-1016
Aug. 31.....	186.59	789100	-95700	-1556
Sept. 30.....	185.81	758300	-30800	-518
WTR YR 1997	-	-	-43600	-60

LAKES IN APALACHICOLA RIVER BASIN--Continued

02357500 LAKE SEMINOLE NEAR CHATTAHOOCHEE, FL.

LOCATION.--Lat 30°42'33", long 84°51'45", Gadsden County, Fla., Hydrologic Unit 03130004, on right upstream lock wall of Jim Woodruff Dam on Chattahoochee River, 0.6 mi upstream from bridge on U.S. Highway 90, and 1.5 mi northwest of Chattahoochee, Fla.

DRAINAGE AREA.--17,100 mi², approximately.

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1959, published as Jim Woodruff Reservoir at Chattahoochee.

REVISIONS.--WSP 1554: 1955-57.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers). Prior to July 22, 1957, non-recording gage at same site at datum 53.96 ft higher; gage readings have been reduced to elevation above sea level.

REMARKS.--Lake is formed by earthfill dam with concrete fixed-crest spillway, a center channel spillway with 16 vertical lift gates 40 ft long by 30.5 ft high, and a side channel navigation lock 82 ft wide. Gates closed on May 20, 1954; filling of pool accomplished in several stages between that date and Feb. 4, 1957, when the pool first reached normal operating level, 77.0 ft. Total capacity at elevation 77.0 ft, normal pool, is 367,300 acre-ft, of which 36,170 acre-ft between elevations 77.0 and 76.0 ft is used for pondage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 433,000 acre-ft Apr. 7, 8, 1960, elevation, 78.66 ft; minimum after Feb. 4, 1957, 272,100 acre-ft Nov. 27, 1978, elevation 74.18.

EXTREMES FOR CURRENT YEAR: Maximum contents 402,300 acre-ft May 5, elevation, 77.9 ft; minimum, 322,800 acre-ft Oct. 21, elevation 75.75 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	76.59	352500	-	-
Oct. 31.....	77.16	373500	+2100	+341
Nov. 30.....	77.71	394900	+21400	+360
Dec. 31.....	77.60	390600	-4300	-70
CAL YR 1997	-	-	+25100	+35
Jan. 31.....	77.38	382100	-8500	-138
Feb. 28.....	77.38	382100	0	0
Mar. 31.....	77.45	384800	+2700	+44
Apr. 30.....	77.52	387500	+2700	+45
May 31.....	76.88	363000	-24500	-398
June 30.....	76.93	364800	+1800	+30
July 31.....	77.08	370400	+5600	+91
Aug. 31.....	76.20	338400	-32000	-520
Sept. 30.....	77.32	379800	+41400	+696
WTR YR 1998	-	-	+27300	+38

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'18", long 84°30'31", Gilmer County, Hydrologic Unit 03150102, on right bank 0.5 mi downstream from State Highway 5, 2 mi southwest of Ellijay, and 2.2 mi downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.--236 mi².

PERIOD OF RECORD.--October 1938 to December 1949, June 1963 to current year. Occasional low-flow measurements 1959, 1961-62.

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

GAGE.--Water-stage recorder. Datum of gage is 1,216.04 ft above sea level. Prior to June 10, 1940, nonrecording gage at site 0.5 mi upstream at datum 8.04 ft higher.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1938, 20.7 ft, Mar. 19, 1951, from floodmark.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1145	*4,720	*6.57	Apr. 17	0530	4,290	6.10
Feb. 4	0145	3,700	5.45	Apr. 19	1145	4,700	6.54

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	234	466	367	395	585	703	1260	1030	530	405	273	200
2	220	952	333	382	567	666	915	929	505	365	242	195
3	213	517	350	389	1880	647	1440	958	487	350	226	195
4	210	427	442	410	3200	626	1580	962	769	347	217	196
5	205	382	380	406	1910	680	1150	847	1080	359	212	189
6	203	378	354	439	1360	661	991	802	712	330	206	182
7	200	391	338	1800	1160	808	908	1070	570	319	200	176
8	197	363	340	2240	1010	2480	870	1170	504	315	228	168
9	195	343	403	1290	950	2900	1280	914	481	319	529	162
10	192	329	424	891	897	1760	960	870	970	305	409	160
11	192	320	411	692	915	1280	871	835	1090	299	274	162
12	190	320	375	604	907	1070	818	766	699	314	249	163
13	187	364	357	572	836	973	777	720	612	293	239	158
14	195	350	343	525	780	918	933	698	566	284	264	153
15	201	337	329	836	735	866	863	675	545	272	321	151
16	198	317	317	958	803	831	805	652	520	261	683	151
17	193	306	311	814	1150	796	2920	639	502	262	417	148
18	191	303	307	684	1030	829	1850	620	473	250	339	147
19	191	300	302	672	870	898	3230	601	676	241	303	146
20	188	291	299	603	801	1280	2510	590	619	239	309	145
21	185	332	298	558	735	1020	1810	578	500	229	284	159
22	202	535	360	643	703	893	1610	574	473	224	263	175
23	197	410	337	840	915	829	1400	560	448	231	252	160
24	239	362	564	745	776	865	1240	549	428	312	244	148
25	457	342	629	653	706	782	1100	545	411	264	236	140
26	2950	332	471	600	679	742	1030	532	398	263	230	133
27	1840	324	567	1070	889	723	977	523	390	327	222	125
28	811	313	497	938	751	702	930	513	377	363	218	123
29	475	326	462	770	---	685	883	493	371	274	212	139
30	383	360	452	683	---	669	1050	625	402	265	206	181
31	342	---	426	626	---	665	---	575	---	277	205	---
TOTAL	12076	11392	12145	23728	28500	30247	38961	22415	17108	9158	8712	4830
MEAN	390	380	392	765	1018	976	1299	723	570	295	281	161
MAX	2950	952	629	2240	3200	2900	3230	1170	1090	405	683	200
MIN	185	291	298	382	567	626	777	493	371	224	200	123
CFSM	1.65	1.61	1.66	3.24	4.31	4.13	5.50	3.06	2.42	1.25	1.19	.68
IN.	1.90	1.80	1.91	3.74	4.49	4.77	6.14	3.53	2.70	1.44	1.37	.76

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	277	351	468	660	794	871	778	621	480	398	326	256
MAX	765	880	1104	1351	2148	1953	1442	1283	1052	871	851	483
(WY)	1965	1978	1993	1947	1990	1990	1977	1973	1973	1976	1967	1967
MIN	107	144	176	188	231	280	263	204	119	117	105	129
(WY)	1988	1988	1989	1981	1941	1988	1986	1986	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1939 - 1998			
ANNUAL TOTAL	218680				219272							
ANNUAL MEAN	599				601				521			
HIGHEST ANNUAL MEAN									835			
LOWEST ANNUAL MEAN									207			
HIGHEST DAILY MEAN	4630				May 3				9870			
LOWEST DAILY MEAN	185				Oct 21				69			
ANNUAL SEVEN-DAY MINIMUM	192				Oct 15				75			
INSTANTANEOUS PEAK FLOW					4720				Oct 26			
INSTANTANEOUS PEAK STAGE					6.57				17000			
INSTANTANEOUS LOW FLOW					123				17.63			
ANNUAL RUNOFF (CFSM)	2.54				2.55				65			
ANNUAL RUNOFF (INCHES)	34.47				34.56				2.21			
10 PERCENT EXCEEDS	1010				1060				30.01			
50 PERCENT EXCEEDS	533				462				936			
90 PERCENT EXCEEDS	223				195				400			
									188			

MOBILE RIVER BASIN

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.

LOCATION.--Lat 34°34'13", long 84°28'08", Gilmer County, Hydrologic Unit 03150102, on right bank 25 ft upstream from culvert on County Road 1011, 3.6 mi upstream from mouth, and 4.5 mi northeast of Talking Rock.

DRAINAGE AREA.--9.99 mi².

PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,311.14 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	unknown	760	6.19	Mar. 8	unknown	301	3.65
Feb. 3	unknown	333	3.84	Apr. 17	unknown	*1,180	*8.06

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.6	46	10	12	16	22	33	32	16	11	6.4	5.3
2	e7.2	41	9.5	12	17	22	23	31	15	9.9	6.2	5.4
3	e6.8	17	13	13	e100	21	88	32	15	9.7	6.1	5.6
4	e6.4	13	14	13	e240	21	56	29	19	9.8	5.9	5.4
5	e6.0	11	12	13	66	24	34	26	24	9.6	5.8	4.9
6	e5.8	11	11	14	45	23	27	26	16	9.0	5.3	4.6
7	e5.6	11	10	151	38	27	24	49	15	8.9	5.1	4.5
8	e5.4	9.4	12	77	36	e140	24	45	14	9.6	8.8	4.3
9	e5.2	9.0	13	31	35	e130	32	32	15	9.8	28	3.8
10	e5.0	9.0	14	20	32	44	24	31	16	8.9	9.7	3.6
11	e5.0	9.0	13	16	34	34	22	27	16	8.9	7.9	3.8
12	e5.0	9.6	12	14	29	30	20	25	15	9.0	7.4	3.8
13	e4.9	11	11	13	27	28	19	23	14	8.4	7.1	3.3
14	e5.0	9.8	11	12	25	27	28	22	14	8.0	6.4	3.0
15	e5.0	9.2	11	24	22	25	24	21	14	7.6	e35	2.7
16	e5.0	9.0	10	34	26	24	23	21	14	6.4	e30	2.9
17	e4.9	8.6	10	25	37	24	e370	20	13	6.4	e15	2.9
18	e4.8	8.5	10	21	29	25	e90	20	13	6.3	e10	2.9
19	e4.8	8.5	10	22	26	24	e160	19	21	6.2	8.4	2.7
20	e4.7	8.5	10	18	24	39	e90	19	14	6.2	8.0	3.3
21	e4.7	19	10	16	22	26	e70	18	13	6.0	7.4	5.0
22	e4.9	20	12	29	23	24	49	18	12	6.0	6.4	5.0
23	e5.2	13	10	26	27	23	42	18	12	6.3	6.3	3.8
24	e12	12	29	22	22	25	37	18	11	6.4	6.2	3.2
25	e60	11	18	19	21	22	34	17	11	6.4	6.1	3.1
26	e280	10	14	17	22	21	32	17	11	6.4	5.9	2.9
27	e140	10	25	34	30	21	30	17	10	6.4	5.8	2.7
28	e45	9.5	17	26	24	21	28	17	10	6.4	5.6	3.3
29	e22	11	16	22	---	21	28	16	11	6.4	5.6	5.6
30	10	11	15	19	---	20	37	19	12	6.4	5.6	5.6
31	9.9	---	13	17	---	20	---	17	---	6.4	5.6	---
TOTAL	703.8	395.6	405.5	802	1095	998	1598	742	426	239.1	289.0	118.9
MEAN	22.7	13.2	13.1	25.9	39.1	32.2	53.3	23.9	14.2	7.71	9.32	3.96
MAX	280	46	29	151	240	140	370	49	24	11	35	5.6
MIN	4.7	8.5	9.5	12	16	20	19	16	10	6.0	5.1	2.7
CFSM	2.27	1.32	1.31	2.59	3.91	3.22	5.33	2.40	1.42	.77	.93	.40
IN.	2.62	1.47	1.51	2.99	4.08	3.72	5.95	2.76	1.59	.89	1.08	.44

e Estimated

MOBILE RIVER BASIN

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	9.42	13.1	15.5	22.5	28.9	35.0	30.2	20.9	14.6	11.5	9.24	7.77
MAX	22.7	29.7	38.2	42.2	129	78.3	61.9	47.1	28.5	24.7	15.3	19.0
(WY)	1998	1978	1993	1990	1990	1980	1979	1984	1989	1976	1989	1989
MIN	3.10	4.92	6.14	6.00	9.52	9.48	8.67	5.65	2.92	3.47	2.76	3.08
(WY)	1988	1988	1989	1981	1988	1988	1986	1986	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1975 - 1998			
ANNUAL TOTAL	6557.9				7812.9							
ANNUAL MEAN	18.0				21.4				18.2			
HIGHEST ANNUAL MEAN									32.9			
LOWEST ANNUAL MEAN									7.15			
HIGHEST DAILY MEAN	280				May 3				831			
LOWEST DAILY MEAN	4.7				Oct 20				1.1			
ANNUAL SEVEN-DAY MINIMUM	4.8				Oct 16				1.2			
INSTANTANEOUS PEAK FLOW					1180				Apr 17			
INSTANTANEOUS PEAK STAGE					8.02				Apr 17			
INSTANTANEOUS LOW FLOW					2.1				b			
ANNUAL RUNOFF (CFSM)	1.80				2.14				1.82			
ANNUAL RUNOFF (INCHES)	24.42				29.09				24.71			
10 PERCENT EXCEEDS	25				34				32			
50 PERCENT EXCEEDS	14				14				12			
90 PERCENT EXCEEDS	7.0				5.0				5.4			

- a From floodmarks.
b Part of each day, September 18-20.
c Part or all of each day, June 24-29, 1966.

MOBILE RIVER BASIN

02382200 TALKING ROCK CREEK NEAR HINTON, GA.

LOCATION.--Lat 34°31'22", long 84°36'40", Pickens County, Hydrologic Unit 03150102, on left bank, 300 ft downstream from Scarecorn Creek, and 3.3 mi northwest of Hinton.

DRAINAGE AREA.--119 mi².

PERIOD OF RECORD.--November 1973 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 893.69 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a stage of 15.45 ft, from floodmarks; discharge 18,400 ft³/s from rating curve extended above 6,200 ft³/s on basis of slope-area measurements of gage height 15.45 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1930	5,170	8.13	Apr. 17	0430	*13,700	*13.29
Feb. 4	0130	3,810	6.98	Apr. 19	1015	3,280	6.47
Mar. 8	0645	3,010	6.20				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e95	267	120	144	187	297	442	437	163	115	71	60
2	e85	453	107	140	186	282	336	358	152	95	55	57
3	e80	227	116	139	1170	274	990	357	147	89	50	59
4	e80	170	177	139	2810	259	857	342	155	96	49	60
5	e75	143	138	139	1150	288	526	311	268	95	46	56
6	e70	141	123	142	793	295	414	299	200	83	44	52
7	e70	143	115	752	597	389	364	609	169	80	40	49
8	e70	131	116	707	459	1720	345	670	153	79	39	48
9	e65	125	141	365	412	1560	604	334	149	93	252	47
10	e65	116	155	263	372	707	399	295	191	86	119	46
11	e70	114	142	222	371	516	352	259	204	73	71	46
12	e65	110	132	199	345	420	324	227	158	73	63	46
13	e65	136	122	185	312	379	307	212	148	70	58	44
14	e65	124	120	169	291	356	384	200	137	64	94	41
15	e70	114	115	295	276	333	348	195	133	60	410	41
16	e65	109	107	349	307	319	328	188	125	57	402	42
17	e65	105	108	286	560	307	4420	188	124	57	165	42
18	e65	100	103	235	430	311	1110	182	120	51	117	40
19	e65	102	103	242	348	317	1930	175	192	49	96	40
20	e65	97	102	215	312	495	1100	173	178	47	86	39
21	e60	139	98	197	291	372	794	171	140	45	81	40
22	e65	305	113	236	294	325	630	174	128	44	75	52
23	e60	184	109	293	378	307	520	174	122	94	71	43
24	e110	148	285	250	313	334	450	171	117	126	68	40
25	e220	135	259	217	290	301	404	170	111	75	68	38
26	e3500	127	183	199	278	285	378	164	111	64	68	38
27	965	117	254	403	416	279	359	161	105	83	66	37
28	404	111	212	316	319	279	342	160	100	88	63	37
29	231	119	190	255	---	273	325	154	96	73	63	37
30	157	129	175	228	---	269	410	183	106	73	62	e50
31	130	---	157	205	---	269	---	177	---	69	60	---
TOTAL	7317	4541	4497	8126	14267	13117	20492	7870	4402	2346	3072	1367
MEAN	236	151	145	262	510	423	683	254	147	75.7	99.1	45.6
MAX	3500	453	285	752	2810	1720	4420	670	268	126	410	60
MIN	60	97	98	139	186	259	307	154	96	44	39	37
CFSM	1.98	1.27	1.22	2.20	4.28	3.56	5.74	2.13	1.23	.64	.83	.38
IN.	2.29	1.42	1.41	2.54	4.46	4.10	6.41	2.46	1.38	.73	.96	.43

e Estimated.

MOBILE RIVER BASIN

02382200 TALKING ROCK CREEK NEAR HINTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	101	142	180	266	310	382	324	219	156	115	89.8	77.6
MAX	260	366	439	500	895	964	697	455	322	264	188	178
(WY)	1990	1993	1984	1974	1990	1980	1979	1984	1989	1984	1984	1989
MIN	20.7	36.1	49.8	70.5	100	89.8	75.5	53.5	23.5	26.2	21.4	23.5
(WY)	1988	1988	1989	1981	1988	1988	1986	1988	1988	1988	1988	1987

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1974 - 1998

ANNUAL TOTAL	71333	91414	
ANNUAL MEAN	195	250	194
HIGHEST ANNUAL MEAN			323 1990
LOWEST ANNUAL MEAN			62.7 1988
HIGHEST DAILY MEAN	3500	Oct 26	4420 Apr 17
LOWEST DAILY MEAN	39	Sep 8	37 Sep 27
ANNUAL SEVEN-DAY MINIMUM	45	Sep 3	39 Sep 23
INSTANTANEOUS PEAK FLOW			a13700 Apr 17
INSTANTANEOUS PEAK STAGE			13.29 Apr 17
INSTANTANEOUS LOW FLOW	37	Aug 8	5.7 Jul 11 1988
ANNUAL RUNOFF (CFSM)	1.64		2.10
ANNUAL RUNOFF (INCHES)	22.30		28.58
10 PERCENT EXCEEDS	287		415
50 PERCENT EXCEEDS	148		152
90 PERCENT EXCEEDS	65		54
			14.18 Mar 4 1979
			6890 Mar 4 1979
			6.1 Jul 11 1988
			9.7 Aug 31 1987
			a14100 Mar 4 1979
			1.63
			22.15
			354
			130
			49

a From rating cuve extended above 6,200 ft³/s on basis of slope-area measurement at gage height 15.45 ft.

MOBILE RIVER BASIN

02382500 COOSAWATTEE RIVER AT CARTERS, GA.

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

DRAINAGE AREA.--521 mi².

PERIOD OF RECORD.--September 1896 to December 1908, October 1918 to September 1923, October 1961 to September 1972, October 1974 to current year. Monthly discharge only for October to November 1918 published in WSP 1304.

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

GAGE.--Water-stage recorder. Datum of gage is 650.67 ft above sea level (levels by Corps of Engineers). Prior to September 1923, nonrecording gage at site 0.2 mi upstream at datum 2.00 ft higher.

REMARKS.--Records good to fair, except those for the period of estimated daily discharge, which are fair. Flow regulated by Carters Lake and Carters re-regulation dam since November 1974 (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--51 years (water years 1897-1908, 1919-23, 1962-71, 1975-98), 1,182 ft³/s, 30.80 in/yr, adjusted for storage since 1975.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29 or 30, 1951, reached a stage of about 36 ft, from floodmarks; discharge 57,000 ft³/s, from rating curve extended above 24,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	418	1250	781	1080	1220	1740	1490	3110	722	769	555	532
2	436	1200	770	895	1230	1620	1360	3020	798	597	525	429
3	444	1030	781	597	1340	1710	1220	2770	781	315	486	356
4	443	872	792	564	1740	1830	1140	2490	768	451	511	356
5	428	903	805	535	1740	1670	1120	2390	798	449	544	358
6	420	918	808	560	1710	1390	1290	2440	799	237	563	340
7	508	911	801	616	1640	1300	1510	2230	786	235	578	328
8	852	805	762	1500	1520	1250	1830	2650	940	492	579	308
9	799	765	e650	2290	1710	1380	2270	3080	1050	638	532	315
10	710	743	e670	1640	3200	1410	2570	2820	1040	645	549	320
11	705	764	e720	1490	3580	1610	2840	2520	1050	640	746	321
12	676	769	e680	1720	3120	2050	2990	2930	1110	568	855	330
13	659	826	e650	2280	1900	2550	3050	951	1150	205	858	300
14	660	902	e630	2070	1830	2590	3170	1030	1110	216	865	238
15	665	898	e630	1710	1620	2320	3190	1090	1230	258	762	238
16	655	846	e750	1130	1650	2230	3080	1150	1460	597	544	242
17	743	846	e800	842	2340	2180	3620	1100	1530	626	562	262
18	1290	909	e830	800	2950	2340	3280	1040	1520	626	712	260
19	1320	917	818	1100	2950	2240	4070	1050	1490	595	1140	259
20	1190	976	788	2220	2980	1860	3400	1070	1460	576	1130	237
21	705	969	740	2550	2760	1870	3350	1100	1370	589	714	211
22	585	989	715	1370	1880	1810	3290	1130	1310	606	560	225
23	591	971	720	1420	1720	1970	3780	1130	1320	623	529	283
24	586	948	715	1510	1840	2620	4510	1060	1140	708	497	293
25	576	863	721	1490	1940	2560	4430	977	840	801	533	297
26	602	830	707	2060	1970	2450	4090	892	812	766	554	300
27	631	843	684	3050	1980	2010	3990	830	827	723	577	272
28	743	829	649	2950	1930	1620	3510	845	801	733	774	244
29	1100	823	664	2360	---	1500	2880	800	774	744	831	245
30	1260	804	720	1670	---	1430	2990	765	773	765	791	261
31	1260	---	900	1350	---	1630	---	736	---	673	684	---
TOTAL	22660	26919	22851	47419	57990	58740	85310	51196	31559	17466	20640	8960
MEAN	731	897	737	1530	2071	1895	2844	1651	1052	563	666	299
MAX	1320	1250	900	3050	3580	2620	4510	3110	1530	801	1140	532
MIN	418	743	630	535	1220	1250	1120	736	722	205	486	211
MEAN†	912	736	779	1443	2076	1951	2942	1523	1012	589	557	287
CFSM†	1.75	1.41	1.50	2.77	3.98	3.74	5.65	2.92	1.94	1.13	1.07	.55
IN.†	2.02	1.58	1.72	3.19	4.15	4.32	6.30	3.37	2.17	1.30	1.23	.61

e Estimated.

MOBILE RIVER BASIN

02382500 COOSAWATTEE RIVER AT CARTERS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	658	808	1014	1284	1505	1857	1792	1270	982	801	694	575
MAX	1852	2008	2211	2384	4651	4861	4004	2217	1573	2247	1219	871
(WY)	1990	1978	1983	1978	1990	1990	1977	1984	1989	1976	1984	1990
MIN	260	267	289	309	594	369	530	407	330	328	311	299
(WY)	1979	1982	1989	1988	1988	1988	1986	1986	1988	1988	1993	1998

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1975 - 1998			
ANNUAL TOTAL	430935				451710							
ANNUAL MEAN	1181				†1197				1101			
HIGHEST ANNUAL MEAN					1238				†1227			
LOWEST ANNUAL MEAN									1101			
HIGHEST DAILY MEAN	4110				Apr 9				1945			
LOWEST DAILY MEAN	355				Sep 11				399			
ANNUAL SEVEN-DAY MINIMUM	384				Sep 15				6580			
INSTANTANEOUS PEAK FLOW					6290				Feb 16 1990			
INSTANTANEOUS PEAK STAGE					14.98				122			
ANNUAL RUNOFF (CFSM)	2.27				†2.30				172			
ANNUAL RUNOFF (INCHES)	30.77				†31.20				May 12			
10 PERCENT EXCEEDS	1670				2630				8370			
50 PERCENT EXCEEDS	911				863				18.94			
90 PERCENT EXCEEDS	503				425				2.11			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1972, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	627	685	1208	1421	1907	2137	1855	1410	1054	903	887	645
MAX	2159	2142	2979	2961	3449	4288	4409	2412	1955	1507	3033	1759
(WY)	1899	1907	1962	1922	1899	1964	1920	1923	1923	1906	1920	1901
MIN	187	215	374	566	600	699	823	566	459	408	350	220
(WY)	1905	1905	1966	1966	1898	1898	1904	1898	1898	1904	1902	1904

SUMMARY STATISTICS WATER YEARS 1896 - 1972

ANNUAL MEAN	1226
HIGHEST ANNUAL MEAN	1948
LOWEST ANNUAL MEAN	571
HIGHEST DAILY MEAN	21300
LOWEST DAILY MEAN	173
ANNUAL SEVEN-DAY MINIMUM	184
INSTANTANEOUS PEAK FLOW	b28500
INSTANTANEOUS PEAK STAGE	c30.60
ANNUAL RUNOFF (CFSM)	2.35
ANNUAL RUNOFF (INCHES)	31.96
10 PERCENT EXCEEDS	2210
50 PERCENT EXCEEDS	888
90 PERCENT EXCEEDS	377

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a Oct 9-28 and Nov 11-15, 1904.

b Observed.

c Present datum.

MOBILE RIVER BASIN

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.

LOCATION.--Lat 34°33'51", long 84°49'59", Gordon County, Hydrologic Unit 03150102, on right bank at downstream side of Owens Bridge on Owens Gin Road, 1.4 mi downstream from Sallacoa Creek, 8.7 mi upstream from confluence with Conasauga River, and 2.4 mi east of Pine Chapel.

DRAINAGE AREA.--831 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, Ga. Monthly discharge only for October to November 1938, published in WSP 1304.

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

GAGE.--Water-stage recorder. Datum of gage is 616.16 above ft sea level (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 mi downstream. Prior to Feb. 23, 1940, nonrecording gage at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975, water-station recorder at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975 auxiliary water-stage recorder at current gage site. April 9, 1975, to Sept. 30, 1976, water-stage recorder on Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.--Records good. Flow regulated by Carters Lake and Carters Re-regulation Dam (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--59 years, 1,515 ft³/s, 24.76 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1938, reached a stage of 30.0 ft from gage reading at current auxiliary gage discharge 34,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	503	1670	1040	1530	1760	2600	2580	3400	937	927	670	651
2	505	2000	998	1410	1710	2340	2280	3320	988	814	620	581
3	504	1650	1010	1030	4520	2360	2690	3090	1030	473	561	412
4	508	1260	1280	929	10300	2410	4080	2880	965	500	579	405
5	488	1210	1250	873	10000	2380	2990	2690	1110	588	615	413
6	475	1220	1160	919	5200	2170	2210	2680	1180	410	635	393
7	483	1250	1090	2250	3590	2600	2300	3070	1060	290	650	375
8	823	1160	1050	3640	3180	5050	2360	4030	1090	434	661	359
9	906	1060	875	3660	2780	8580	4240	3830	1290	795	634	353
10	771	994	916	2720	3540	5550	3450	3330	1300	771	624	364
11	764	995	958	2180	4060	3430	3360	3060	1370	752	874	360
12	739	990	908	2050	3940	3250	3350	3370	1350	712	1030	373
13	711	1080	877	2680	2880	3470	3360	1630	1410	395	1030	353
14	717	1200	844	2530	2560	3310	3450	1440	1360	255	1050	288
15	724	1180	836	2740	2280	3030	3580	1440	1380	256	1120	268
16	713	1100	987	3030	2220	2820	3420	1500	1610	562	1200	271
17	744	1070	1010	2090	3260	2760	8270	1450	1720	713	808	301
18	1270	1160	1090	1610	4600	2810	7780	1370	1720	714	874	297
19	1490	1190	1070	1680	3960	2890	9160	1370	1710	677	1180	298
20	1430	1370	1060	2480	3620	2950	9530	1380	1770	653	1550	280
21	903	1250	1010	3120	3400	2860	6100	1390	1640	660	985	259
22	701	1810	1000	2570	2700	2570	4860	1410	1530	681	693	263
23	657	1600	1020	3120	2770	2470	4840	1410	1540	716	639	332
24	658	1380	1480	2790	2770	3090	5270	1340	1470	806	589	340
25	825	1250	2200	2370	2680	3110	4860	1250	1090	964	619	343
26	4750	1120	1460	2330	2630	2950	4370	1170	964	915	648	348
27	7410	1120	1500	3920	3140	2710	4130	1080	987	863	673	320
28	3460	1080	1480	4140	2980	2200	3960	1080	963	884	877	288
29	1690	1060	1300	3390	---	2040	3170	1060	922	929	1010	286
30	1740	1060	1320	2560	---	1920	3250	1000	911	933	970	300
31	1650	---	1320	1990	---	2050	---	1000	---	905	900	---
TOTAL	39712	37539	35399	74331	103030	94730	129250	63520	38367	20947	25568	10474
MEAN	1281	1251	1142	2398	3680	3056	4308	2049	1279	676	825	349
MAX	7410	2000	2200	4140	10300	8580	9530	4030	1770	964	1550	651
MIN	475	990	836	873	1710	1920	2210	1000	911	255	561	259

MOBILE RIVER BASIN

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	853	1136	1484	2105	2400	2949	2525	1632	1205	961	826	692
MAX	2717	2653	3629	3883	6921	6657	5219	3191	2558	2706	1664	1200
(WY)	1990	1978	1983	1978	1990	1990	1977	1984	1989	1976	1984	1989
MIN	296	340	409	438	922	642	688	502	353	349	365	347
(WY)	1979	1988	1988	1981	1988	1988	1986	1986	1988	1988	1993	1993

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1975 - 1998

ANNUAL TOTAL	606228		672867									
ANNUAL MEAN	1661	†1677	1843	†1832							1560	
HIGHEST ANNUAL MEAN											2741	1990
LOWEST ANNUAL MEAN											562	1988
HIGHEST DAILY MEAN	8420	May 3	10300	Feb 4							17900	Apr 14 1979
LOWEST DAILY MEAN	324	Sep 19	255	Jul 14							188	Sep 11 1976
ANNUAL SEVEN-DAY MINIMUM	341	Sep 16	281	Sep 16							242	Nov 13 1974
INSTANTANEOUS PEAK FLOW			11900	Feb 4							24900	Mar 4 1979
INSTANTANEOUS PEAK STAGE			26.20	Feb 4							30.07	Mar 4 1979
ANNUAL RUNOFF (CFSM)	2.00	†2.02	2.22	†2.20							1.88	
ANNUAL RUNOFF (INCHES)	27.14	†27.41	30.12	†29.94							25.50	
10 PERCENT EXCEEDS	3020		3560								3360	
50 PERCENT EXCEEDS	1420		1260								1100	
90 PERCENT EXCEEDS	519		480								408	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1974, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	595	842	1402	2057	2650	2752	2300	1676	1129	1005	800	620
MAX	1689	2965	4578	4937	5269	6502	4565	3906	2771	1892	2239	1688
(WY)	1965	1949	1962	1947	1946	1964	1964	1973	1973	1967	1967	1950
MIN	246	343	426	541	678	1121	838	464	463	568	439	276
(WY)	1955	1940	1966	1956	1941	1941	1941	1941	1941	1960	1957	1954

SUMMARY STATISTICS WATER YEARS 1939 - 1974

ANNUAL MEAN	1485											
HIGHEST ANNUAL MEAN	2143				1946							
LOWEST ANNUAL MEAN	717				1941							
HIGHEST DAILY MEAN	31500				Mar 30 1951							
LOWEST DAILY MEAN	220				Oct 26 1941							
ANNUAL SEVEN-DAY MINIMUM	229				Oct 21 1954							
INSTANTANEOUS PEAK FLOW	40200				Mar 30 1951							
INSTANTANEOUS PEAK STAGE	a34.20				Mar 30 1951							
ANNUAL RUNOFF (CFSM)	1.79											
ANNUAL RUNOFF (INCHES)	24.28											
10 PERCENT EXCEEDS	2740											
50 PERCENT EXCEEDS	1000											
90 PERCENT EXCEEDS	425											

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a At current base gage, 30.8 ft at current auxiliary gage.

MOBILE RIVER BASIN

02384500 CONASAUGA RIVER NEAR ETON, GA.

LOCATION.--Lat 34°49'40", long 84°51'03", Murray-Whitfield County line, Hydrologic Unit 03150101, at downstream side of right bank pier of bridge on State Highway 286, 3.4 mi upstream from Mill Creek, 5.2 mi west of Eton, and at mile 42.7.

DRAINAGE AREA.--252 mi².

PERIOD OF RECORD.--Water years 1954-58, 1963-81 (annual maximum), October 1981 to current year.

REVISED RECORDS.--WDR GA-94-1: 1973 (M), 1990 (M).

GAGE.--Water-stage recorder. Datum of gage is 672.64 ft above sea level. June 26, 1953, to September 30, 1958 and August 16, 1962 to September 30, 1981, crest-stage gage at site 75 ft downstream at datum 3.00 ft higher.

REMARKS.--Records good. Since May 1997, flow affected at times by off-stream reservoir used to supplement flow for withdrawals by City of Dalton.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 3,800 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	0200	5,170	12.25	Apr. 20	0600	*13,400	*15.73
Mar. 9	2400	8,550	13.89				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	115	136	203	460	580	1060	548	155	158	265	67
2	77	181	136	171	412	533	1040	485	139	147	243	64
3	71	214	126	161	1290	493	1520	459	135	123	194	62
4	68	164	261	163	3990	460	3150	460	234	116	133	61
5	66	136	253	190	4050	492	1570	399	1910	132	111	59
6	63	123	204	225	1560	523	910	366	1190	147	100	58
7	62	145	176	859	1240	1010	708	429	567	117	91	55
8	60	193	156	3140	1200	2700	603	838	400	108	85	53
9	59	168	159	1470	1090	6800	581	596	320	104	115	51
10	58	156	257	758	963	6060	541	476	420	106	156	49
11	57	143	322	571	1070	1450	492	568	1390	106	135	48
12	56	129	253	481	1550	924	449	416	687	97	112	48
13	55	129	209	424	1110	729	421	356	469	99	102	47
14	60	138	180	377	816	639	408	320	375	93	390	46
15	65	142	160	928	666	598	412	294	332	87	549	45
16	73	141	142	1710	661	541	381	272	292	84	659	45
17	64	132	129	1050	1760	473	1180	260	251	82	1300	44
18	61	123	120	727	2420	503	824	243	227	81	356	44
19	59	116	113	668	1210	880	6220	228	233	78	221	43
20	59	110	106	562	865	1720	10400	216	262	73	167	43
21	59	107	101	474	709	1600	2930	208	222	70	139	87
22	62	193	123	555	608	932	1380	200	195	69	121	186
23	69	246	148	1030	832	714	1350	193	183	75	108	102
24	74	203	322	1030	727	678	1020	185	176	146	97	71
25	93	173	513	756	627	590	799	177	160	145	90	63
26	1400	152	311	599	577	534	670	172	148	109	84	62
27	1860	139	301	869	745	497	585	162	141	202	79	60
28	413	126	358	1050	653	470	532	156	134	342	75	59
29	230	117	294	742	---	446	478	150	127	174	72	67
30	159	115	297	608	---	421	515	156	127	226	71	66
31	124	---	245	524	---	399	---	183	---	209	68	---
TOTAL	5823	4469	6611	23075	33861	35389	43129	10171	11601	3905	6488	1855
MEAN	188	149	213	744	1209	1142	1438	328	387	126	209	61.8
MAX	1860	246	513	3140	4050	6800	10400	838	1910	342	1300	186
MIN	55	107	101	161	412	399	381	150	127	69	68	43
CFSM	.75	.59	.85	2.95	4.80	4.53	5.70	1.30	1.53	.50	.83	.25
IN.	.86	.66	.98	3.41	5.00	5.22	6.37	1.50	1.71	.58	.96	.27

MOBILE RIVER BASIN

02384500 CONASAUGA RIVER NEAR ETON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	245	388	666	850	1059	1007	629	457	349	209	167	151
MAX	1239	877	1643	1653	2803	1977	1438	1360	1222	611	523	699
(WY)	1990	1990	1983	1996	1990	1994	1998	1984	1989	1994	1994	1989
MIN	40.6	56.7	101	153	214	244	146	108	46.6	51.3	51.5	40.2
(WY)	1994	1988	1988	1986	1988	1988	1986	1986	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1982 - 1998			
ANNUAL TOTAL	187355				186377							
ANNUAL MEAN	513				511				512			
HIGHEST ANNUAL MEAN									848			
LOWEST ANNUAL MEAN									158			
HIGHEST DAILY MEAN	6170				10400				23000			
LOWEST DAILY MEAN	48				43				24			
ANNUAL SEVEN-DAY MINIMUM	52				44				29			
INSTANTANEOUS PEAK FLOW					13400				30000			
INSTANTANEOUS PEAK STAGE					15.73				20.52			
INSTANTANEOUS LOW FLOW					43				23			
ANNUAL RUNOFF (CFSM)	2.04				2.03				2.03			
ANNUAL RUNOFF (INCHES)	27.66				27.51				27.61			
10 PERCENT EXCEEDS	990				1080				1040			
50 PERCENT EXCEEDS	301				209				253			
90 PERCENT EXCEEDS	65				64				67			

MOBILE RIVER BASIN

02384540 MILL CREEK NEAR CRANDALL, GA.

LOCATION.--Lat 34°52'19", long 84°43'17", Murray County, Hydrologic Unit 03150101, on right bank 100 ft south of Forest Service Road 630, 1.3 mi upstream from Cohorn Creek, and 1.4 mi northeast of Crandall.

DRAINAGE AREA.--8.27 mi².

PERIOD OF RECORD.--January 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 888.98 ft above sea level.

REMARKS.--Records good, except those for the period July 19-22, and those for the periods of estimated daily discharges, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 9	0200	630	4.39	Apr. 19	0930	*727	*4.61

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	9.8	8.0	8.8	15	20	56	15	4.6	4.0	5.5	2.0
2	2.3	11	6.9	8.3	14	18	36	14	3.7	2.8	4.4	1.9
3	2.1	8.3	8.7	9.4	61	16	71	13	3.1	2.2	2.8	2.1
4	2.0	7.0	13	12	130	15	95	12	20	3.7	2.1	2.3
5	1.9	6.4	12	14	57	17	50	10	40	7.4	1.8	2.1
6	1.9	7.3	11	19	37	16	33	9.4	16	3.6	1.5	2.0
7	1.7	11	9.9	116	31	30	26	14	9.2	2.5	1.3	1.8
8	1.7	9.9	9.7	102	31	123	22	13	6.4	2.1	1.1	e1.7
9	1.6	9.9	10	49	33	289	25	11	5.2	2.1	8.1	e1.6
10	1.6	9.4	16	30	40	79	20	11	35	1.9	5.5	e1.6
11	1.6	8.7	15	22	70	45	17	10	40	1.7	3.5	e1.5
12	1.7	8.5	13	19	64	31	16	8.9	17	1.6	3.1	e1.5
13	1.6	9.2	12	19	40	25	15	8.1	13	1.4	2.3	e1.6
14	3.6	10	11	17	29	22	15	7.5	13	1.3	43	e1.5
15	2.9	9.8	9.4	37	23	19	14	6.9	11	1.2	51	e1.5
16	2.1	9.1	8.4	55	33	18	13	6.6	8.8	1.2	25	e1.5
17	2.0	8.5	7.8	40	84	16	15	6.1	7.5	1.3	13	e1.4
18	2.0	8.2	7.2	30	68	19	19	5.5	6.4	1.0	8.1	e1.4
19	2.0	7.7	6.7	26	41	21	364	5.1	11	.87	5.9	e1.4
20	1.9	7.2	6.3	21	30	41	111	4.8	7.9	.83	4.7	e1.4
21	2.0	8.8	6.2	19	23	39	56	4.5	6.2	.76	4.0	4.6
22	3.8	14	7.5	22	20	27	64	4.3	5.4	.75	3.4	3.9
23	2.4	13	6.2	32	26	21	53	4.5	4.6	5.4	3.0	e2.1
24	2.9	11	10	34	24	20	38	5.9	4.2	6.7	2.6	e2.0
25	9.4	10	10	28	23	17	28	5.8	3.7	3.8	2.3	e1.8
26	96	9.5	9.1	22	21	15	23	5.1	3.3	2.5	2.1	e1.8
27	35	8.8	12	37	25	15	20	4.7	3.0	11	1.9	e1.8
28	17	8.0	12	37	22	14	17	4.3	2.7	6.0	1.8	e1.7
29	12	7.7	13	27	---	13	15	3.9	2.4	7.4	1.7	e1.9
30	9.0	8.6	12	21	---	12	18	6.4	3.0	6.4	1.9	e2.2
31	7.6	---	11	18	---	12	---	5.5	---	6.4	2.1	---
TOTAL	237.9	276.3	311.0	951.5	1115	1085	1365	246.8	317.3	101.81	220.5	57.6
MEAN	7.67	9.21	10.0	30.7	39.8	35.0	45.5	7.96	10.6	3.28	7.11	1.92
MAX	96	14	16	116	130	289	364	15	40	11	51	4.6
MIN	1.6	6.4	6.2	8.3	14	12	13	3.9	2.4	.75	1.1	1.4
CFSM	.93	1.11	1.21	3.71	4.82	4.23	5.50	.96	1.28	.40	.86	.23
IN.	1.07	1.24	1.40	4.28	5.02	4.88	6.14	1.11	1.43	.46	.99	.26

e Estimated

MOBILE RIVER BASIN

02384540 MILL CREEK NEAR CRANDALL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	9.99	19.6	24.2	35.2	37.7	37.6	24.9	14.2	15.0	10.8	7.58	7.57
MAX	30.0	35.9	48.3	55.5	108	71.6	50.8	28.0	57.3	43.6	25.9	32.0
(WY)	1990	1990	1992	1996	1990	1990	1994	1997	1989	1990	1994	1989
MIN	1.26	1.52	3.95	7.30	11.8	12.5	5.91	3.48	1.49	1.75	1.81	1.73
(WY)	1988	1988	1988	1986	1988	1988	1986	1986	1988	1986	1995	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1985 - 1998			
ANNUAL TOTAL	6934.7				6285.71							
ANNUAL MEAN	19.0				17.2				20.6			
HIGHEST ANNUAL MEAN									34.3			
LOWEST ANNUAL MEAN									8.37			
HIGHEST DAILY MEAN	288				May 3				970			
LOWEST DAILY MEAN	1.1				Sep 8				.45			
ANNUAL SEVEN-DAY MINIMUM	1.2				Sep 17				.56			
INSTANTANEOUS PEAK FLOW					727				Apr 19			
INSTANTANEOUS PEAK STAGE					4.61				Apr 19			
ANNUAL RUNOFF (CFSM)	2.30				2.08				2.49			
ANNUAL RUNOFF (INCHES)	31.19				28.27				33.81			
10 PERCENT EXCEEDS	39				37				43			
50 PERCENT EXCEEDS	11				9.2				11			
90 PERCENT EXCEEDS	2.0				1.7				2.0			

a From rating curve extended above 430 ft³/s on basis of slope-conveyance study.

MOBILE RIVER BASIN

02384748 CONASAUGA RIVER NEAR DALTON, GA.

LOCATION.--Lat 34°47'20", long 84°52'30", Whitfield-Murray County line, Hydrologic Unit 03150101, at Dalton waterworks intake, 0.4 mi upstream from U.S. Highway 76, and 5.5 mi east of Dalton.

DRAINAGE AREA.--308 mi².

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 07...	0400	81341	20	147	142	7.6	7.7	19.0	17.0	8.1	89
NOV 19...	1630	81341	144	141	141	7.9	7.7	7.5	13.0	11.5	97
DEC 09...	0600	81341	162	125	124	7.2	7.6	6.0	4.0	11.8	98
JAN 15...	0500	81341	191	116	111	7.3	7.5	9.0	7.0	9.7	86
FEB 05...	0500	81341	4280	53	51	6.8	7.0	4.0	1.0	11.7	93
MAR 11...	0500	81341	4330	58	55	6.8	6.8	7.0	-4.0	10.0	83
APR 14...	0400	81341	432	108	104	7.5	7.5	16.0	16.0	8.7	91
MAY 12...	0400	81341	508	118	114	7.5	7.4	18.0	15.0	8.1	88
JUN 18...	0400	81341	216	124	120	7.3	7.5	24.0	22.0	7.0	85
JUL 29...	0400	81341	193	112	105	7.2	7.3	24.5	22.5	6.8	84
SEP 02...	0400	81341	28	170	163	7.0	7.9	25.0	23.0	6.5	81
29...	0400	81341	11	168	161	7.1	7.5	23.5	24.0	6.3	76

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CaCO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
OCT 07...	81341	5.0	<5	<1.0	66	65	9
NOV 19...	81341	3.0	5	<1.0	70	55	4
DEC 09...	81341	2.0	2	<1.0	60	52	2
JAN 15...	81341	4.0	5	<1.0	56	45	10
FEB 05...	81341	22	16	1.2	22	18	32
MAR 11...	81341	14	12	1.1	25	22	13
APR 14...	81341	6.0	6	<1.0	46	47	11
MAY 12...	81341	13	8	1.2	51	48	17
JUN 18...	81341	7.0	<5	<1.0	60	57	14
JUL 29...	81341	24	13	<1.0	50	42	28
SEP 02...	81341	4.0	5	<1.0	82	78	7
29...	81341	5.0	8	<1.0	76	73	10

MOBILE RIVER BASIN

02384748 CONASAUGA RIVER NEAR DALTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	
OCT 07...		81341	.090	<.030	--	.20	.29	<.020	2.0	
NOV 19...		81341	.130	<.030	--	.10	.23	<.020	2.0	
DEC 09...		81341	.120	<.030	--	<.10	--	<.020	2.0	
JAN 15...		81341	.230	<.030	--	.10	.33	<.020	2.0	
FEB 05...		81341	.170	.040	.26	.30	.47	.070	4.0	
MAR 11...		81341	.220	.110	.19	.30	.52	.030	3.0	
APR 14...		81341	.260	<.030	--	.10	.36	<.020	2.0	
MAY 12...		81341	.250	<.030	--	.90	1.1	.050	4.0	
JUN 18...		81341	.270	<.030	--	.20	.47	.040	2.0	
JUL 29...		81341	.290	.070	.43	.50	.79	.070	5.0	
SEP 02...		81341	.200	<.030	--	.20	.40	<.020	3.0	
29...		81341	.090	<.030	--	.20	.29	.030	3.0	
DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	0400	81341	20	147	7.6	19.0	17.0	8.1	89	310
NOV 19...	1630	81341	144	141	7.9	7.5	13.0	11.5	97	80
DEC 01...	0600	81213	123	132	7.1	11.5	12.0	9.4	89	80
09...	0600	81341	162	125	7.2	6.0	4.0	11.8	98	50
15...	0500	81213	193	118	7.1	5.0	.0	12.0	96	50
JAN 07...	0500	81213	365	120	7.3	13.0	18.0	8.9	87	460
15...	0500	81341	191	116	7.3	9.0	7.0	9.7	86	230
28...	0500	81213	1400	105	6.9	7.0	2.0	9.9	84	1300
FEB 05...	0500	81341	4280	53	6.8	4.0	1.0	11.7	93	790
APR 14...	0400	81341	432	108	7.5	16.0	16.0	8.7	91	50
27...	0400	81213	651	100	7.3	16.0	13.0	8.8	91	70
MAY 04...	0400	81213	525	106	7.5	15.0	12.0	8.8	90	170
12...	0400	81341	508	118	7.5	18.0	15.0	8.1	88	1600
SEP 02...	0400	81341	28	170	7.0	25.0	23.0	6.5	81	130
14...	0400	81213	18	184	7.1	21.5	20.0	7.0	81	140
21...	0400	81213	13	187	6.8	25.0	24.0	6.2	77	80
29...	0400	81341	11	168	7.1	23.5	24.0	6.3	76	170

MOBILE RIVER BASIN

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.

LOCATION.--Lat 34°43'00", long 84°46'12", Murray County, Hydrologic Unit 03150101, on right bank 100 ft upstream from bridge on Smyrna-Ramhurst Road, 3 mi upstream from Rock Creek, and 3.3 mi south of Chatsworth.

DRAINAGE AREA.--64.0 mi².

PERIOD OF RECORD.--June 1960 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 689.25 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good, except those for the periods of estimated daily discharge and those for the period Aug. 19 to Sept. 30, which are fair.

Low flow affected by withdrawals and return flow by the city of Chatsworth. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 4	1000	1,580	8.66	Apr. 19	1900	*4,980	*10.39
Mar. 9	1300	3,600	9.78				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	37	38	e45	90	143	315	122	26	22	20	e14
2	12	53	32	e45	80	124	201	107	27	18	15	e13
3	11	41	36	e40	763	110	409	101	25	17	13	e13
4	11	33	69	e40	1460	99	715	93	57	17	13	e13
5	11	31	50	e45	844	131	340	84	163	26	12	13
6	10	31	42	e65	398	131	213	76	61	19	12	13
7	9.9	44	36	e140	315	312	164	164	43	17	12	12
8	9.4	41	36	e350	277	1030	153	129	32	16	12	12
9	9.3	36	52	e250	252	2440	845	94	29	15	18	12
10	8.9	33	66	e190	213	845	320	83	87	18	25	12
11	8.8	31	61	e160	257	362	203	79	179	17	16	11
12	8.3	31	50	e130	303	246	158	69	55	15	13	11
13	8.3	41	44	e120	219	193	133	63	43	15	13	11
14	12	38	41	e100	169	165	128	58	35	14	128	11
15	17	39	37	e180	137	143	115	54	32	14	144	11
16	13	35	34	e250	147	126	104	52	29	13	105	10
17	13	33	33	e200	427	117	184	50	29	13	48	10
18	e13	31	30	e170	496	126	245	46	25	13	32	9.9
19	e13	30	29	e150	261	136	2780	44	42	12	26	9.7
20	e13	30	27	e140	194	302	1670	42	37	12	22	9.5
21	e13	35	27	e120	156	231	482	40	26	12	20	9.4
22	e15	75	33	244	135	166	648	39	24	12	18	9.8
23	e16	54	32	397	314	137	445	37	23	12	16	9.8
24	e18	44	84	265	208	147	286	35	22	24	15	9.6
25	e20	38	84	173	163	119	214	35	21	16	14	9.5
26	e70	35	56	130	141	105	173	33	20	14	14	9.3
27	e300	34	86	342	252	99	150	33	19	13	14	9.1
28	e100	31	70	254	166	94	131	31	18	24	14	9.0
29	e70	30	65	167	---	88	115	25	18	17	e14	8.8
30	e50	35	e60	132	---	82	147	30	17	16	e14	8.7
31	e40	---	e50	107	---	78	---	28	---	17	e14	---
TOTAL	936.9	1130	1490	5141	8837	8627	12186	1976	1264	500	866	324.1
MEAN	30.2	37.7	48.1	166	316	278	406	63.7	42.1	16.1	27.9	10.8
MAX	300	75	86	397	1460	2440	2780	164	179	26	144	14
MIN	8.3	30	27	40	80	78	104	25	17	12	12	8.7
CFSM	.47	.59	.75	2.59	4.93	4.35	6.35	1.00	.66	.25	.44	.17
IN.	.54	.66	.87	2.99	5.14	5.01	7.08	1.15	.73	.29	.50	.19

e Estimated.

MOBILE RIVER BASIN

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	49.9	93.6	154	221	244	261	185	115	77.6	52.1	37.6	34.8
MAX	234	292	469	450	919	590	406	285	549	217	224	170
(WY)	1990	1978	1983	1974	1990	1980	1998	1984	1989	1967	1967	1989
MIN	3.36	7.93	14.1	16.6	57.7	64.6	33.0	16.8	5.75	6.15	7.67	5.17
(WY)	1988	1979	1966	1981	1988	1988	1986	1986	1988	1969	1980	1964

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1960 - 1998			
ANNUAL TOTAL	51468.2				43278.0							
ANNUAL MEAN	141				119				127			
HIGHEST ANNUAL MEAN									226			
LOWEST ANNUAL MEAN									41.9			
HIGHEST DAILY MEAN	3630				May 3				9890			
LOWEST DAILY MEAN	5.7				Sep 22				1.2			
ANNUAL SEVEN-DAY MINIMUM	7.6				Sep 17				1.6			
INSTANTANEOUS PEAK FLOW					4980				20600			
INSTANTANEOUS PEAK STAGE					10.39				14.87			
ANNUAL RUNOFF (CFSM)	2.20				1.85				1.98			
ANNUAL RUNOFF (INCHES)	29.92				25.16				26.90			
10 PERCENT EXCEEDS	282				253				261			
50 PERCENT EXCEEDS	66				40				56			
90 PERCENT EXCEEDS	12				12				10			

a From rating curve extended above 11,000 ft³/s on basis of contracted-opening measurement of peak flow.

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.

LOCATION.--Lat 34°40'00", long 84°55'42", Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250 ft downstream from Tilton Road bridge, 0.2 mi downstream from Swamp Creek, 0.5 mi northeast of Tilton, and 12 mi upstream from confluence with Coosawattee River.

DRAINAGE AREA.--687 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1937 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 622.28 ft above sea level (levels by Corps of Engineers). Prior to Aug. 24, 1940, nonrecording gage at site 150 ft upstream at same datum. Since Oct. 1, 1979, auxiliary water-stage recorder at Sloan Road bridge, 3.2 mi downstream. Water-stage recorder on Oostanaula River at Resaca used as auxiliary gage during 1961-79 water years.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Flow affected by withdrawals and return flow by the city of Dalton, Ga.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	1800	5,340	13.36	Mar. 11	0900	12,800	20.74
Jan. 9	1100	5,510	12.79	Apr. 5	0500	5,870	13.29
Feb. 6	0500	9,480	18.64	Apr. 21		*unknown	*unknown
Feb. 18	2300	5,370	12.71				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	211	429	374	690	1170	1550	1520	e1400	403	258	445	133
2	177	524	353	611	1030	1320	2930	1230	331	269	436	101
3	160	545	360	544	3380	1130	2510	1140	285	254	375	97
4	155	510	566	519	7330	1030	5110	1120	378	276	288	96
5	163	420	699	523	8840	1050	5570	956	2100	259	200	97
6	168	372	579	585	9150	1350	2970	846	3580	276	162	123
7	129	373	483	2000	5520	2330	1890	1240	1940	242	146	129
8	113	410	443	4950	3220	6000	1580	2250	955	185	143	117
9	111	459	450	5230	2820	9820	3110	1760	653	172	404	82
10	106	422	581	2530	2370	11500	2360	1210	699	167	492	58
11	107	357	825	1570	2200	12300	1570	1080	2070	181	321	49
12	141	341	759	1230	2710	6900	1280	1040	2090	203	222	52
13	144	363	580	1030	2630	2170	1100	817	1050	193	262	88
14	130	379	500	930	1970	1760	973	705	751	145	240	96
15	125	370	460	1430	1620	1580	960	635	631	131	1220	74
16	117	374	406	3860	1550	1430	905	596	510	124	1730	57
17	132	357	375	3600	3640	1230	e2000	587	475	124	1690	49
18	135	309	359	2160	5270	1150	e4000	558	415	123	1180	59
19	153	295	331	1750	4410	1440	e9150	481	464	143	530	66
20	152	291	318	1590	2380	2380	e13500	452	623	158	361	59
21	119	295	334	1270	1850	3590	e18000	424	526	117	283	76
22	118	497	433	1500	1580	2450	e10500	412	418	102	250	163
23	122	599	441	3190	2170	1670	e7710	415	343	139	244	307
24	183	563	911	3000	2430	1530	e5090	422	309	208	226	173
25	494	440	2000	2210	1750	1430	e3070	415	290	318	175	103
26	3450	387	1470	1630	1480	1210	e2400	393	268	272	150	84
27	5270	382	e1300	1980	1960	1080	e2000	356	267	249	134	77
28	3320	389	e1150	3040	2000	1020	e1800	353	278	364	125	105
29	1010	365	e1050	2190	---	980	e1300	324	258	481	125	85
30	629	369	e950	1610	---	910	e1200	362	213	373	208	104
31	483	---	856	1340	---	816	---	414	---	406	185	---
TOTAL	18027	12186	20696	60292	88430	86106	118058	24393	23573	6912	12952	2959
MEAN	582	406	668	1945	3158	2778	3935	787	786	223	418	98.6
MAX	5270	599	2000	5230	9150	12300	18000	2250	3580	481	1730	307
MIN	106	291	318	519	1030	816	905	324	213	102	125	49
CFSM	.85	.59	.97	2.83	4.60	4.04	5.73	1.15	1.14	.32	.61	.14
IN.	.98	.66	1.12	3.26	4.79	4.66	6.39	1.32	1.28	.37	.70	.16

e Estimated

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	438	820	1370	2139	2542	2583	1781	1068	678	589	403	383
MAX	2996	4022	4761	6499	7419	6672	4596	3308	3203	2347	1899	1763
(WY)	1990	1958	1962	1947	1990	1980	1977	1984	1989	1967	1967	1975
MIN	77.3	112	196	176	356	592	308	211	54.0	111	69.5	66.3
(WY)	1988	1979	1966	1981	1941	1988	1986	1986	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1937 - 1998			
ANNUAL TOTAL	478705				474584							
ANNUAL MEAN	1312				1300				1227			
HIGHEST ANNUAL MEAN									2147			
LOWEST ANNUAL MEAN									392			
HIGHEST DAILY MEAN	12100				18000				32800			
LOWEST DAILY MEAN	90				49				12			
ANNUAL SEVEN-DAY MINIMUM	98				63				24			
INSTANTANEOUS PEAK FLOW					unknown				a36800			
INSTANTANEOUS PEAK STAGE					unknown				b30.20			
ANNUAL RUNOFF (CFSM)	1.91				1.89				1.79			
ANNUAL RUNOFF (INCHES)	25.92				25.70				24.26			
10 PERCENT EXCEEDS	2980				3020				2840			
50 PERCENT EXCEEDS	677				500				550			
90 PERCENT EXCEEDS	150				124				149			

a Gage height, 29.89 ft.

b Backwater from the Coosawatee River.

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to current year.

pH: October 1975 to current year.

WATER TEMPERATURE: October 1975 to current year.

DISSOLVED OXYGEN: October 1975 to current year.

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

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 680 μ S Oct. 17, 1993; minimum recorded, 34 μ S Mar. 23, 1980.

pH: Maximum recorded, 10.7 units Feb. 13, 1988; minimum recorded, 6.3 units July 5, 6, 1976, Jan. 8, 1992.

WATER TEMPERATURE: Maximum recorded, 33.0°C July 21, 1986, July 29, 1993; minimum recorded, 0.0°C Dec. 19, 20, 1981; Dec. 23, 24, 1989; Jan. 19, 20, 21, 1994; Feb. 4, 1996.

DISSOLVED OXYGEN: Maximum recorded, 15.7 mg/L June 12, 1988; minimum recorded, 0.2 mg/L May 13, 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT											
07...	0500	81341	138	339	334	7.7	7.7	20.0	15.0	7.8	87
NOV											
19...	1730	81341	296	261	254	7.9	7.6	7.0	8.0	11.7	98
DEC											
09...	0700	81341	448	238	238	7.8	7.7	5.5	4.0	10.7	87
JAN											
15...	0600	81341	910	171	167	7.6	7.6	9.0	7.0	10.2	91
FEB											
05...	0600	81341	8630	76	75	7.1	7.1	4.0	1.0	10.9	86
MAR											
11...	0600	81341	12800	57	56	6.8	6.7	8.5	-5.0	9.4	81
APR											
14...	0500	81341	984	147	146	7.5	7.6	15.5	16.0	9.2	95
MAY											
12...	0500	81341	1140	147	144	7.5	7.4	19.0	11.0	8.0	89
JUN											
18...	0500	81341	428	197	190	7.5	7.6	25.0	18.0	6.6	82
JUL											
29...	0500	81341	583	232	227	7.4	7.5	25.5	22.0	6.5	81
SEP											
02...	0500	81341	102	327	315	7.5	7.7	26.0	23.0	6.2	79
29...	0500	81341	97	409	397	7.7	7.5	24.0	24.0	5.2	64

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
OCT 07...	81341	10	18	<1.0	110	83	17
NOV 19...	81341	4.0	12	<1.0	80	71	2
DEC 09...	81341	7.0	8	1.3	80	68	4
JAN 15...	81341	8.0	8	<1.0	75	58	18
FEB 05...	81341	34	18	1.8	27	25	37
MAR 11...	81341	37	23	2.0	23	18	12
APR 14...	81341	12	8	<1.0	56	54	24
MAY 12...	81341	10	11	<1.0	54	56	28
JUN 18...	81341	13	12	<1.0	76	70	26
JUL 29...	81341	26	20	<1.0	76	65	60
SEP 02...	81341	19	18	1.1	120	86	34
29...	81341	13	23	<1.0	120	86	26

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 07...	81341	.990	<.030	--	.40	1.4	.740	6.0
NOV 19...	81341	.740	<.030	--	.30	1.0	.350	4.0
DEC 09...	81341	.760	<.030	--	.30	1.1	.270	4.0
JAN 15...	81341	.560	.040	.16	.20	.76	.130	3.0
FEB 05...	81341	.350	.050	.45	.50	.85	.120	6.0
MAR 11...	81341	.140	.030	.57	.60	.74	.080	7.0
APR 14...	81341	.470	<.030	--	.20	.67	.120	2.0
MAY 12...	81341	.420	<.030	--	.30	.72	.130	4.0
JUN 18...	81341	.620	<.030	--	.30	.92	.230	4.0
JUL 29...	81341	.700	.050	.45	.50	1.2	.390	5.0
SEP 02...	81341	1.10	<.030	--	.50	1.6	.540	6.0
29...	81341	1.43	.030	.77	.80	2.2	.720	8.0

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT										
07...	0500	81341	138	339	7.7	20.0	15.0	7.8	87	170
NOV										
19...	1730	81341	296	261	7.9	7.0	8.0	11.7	98	490
DEC										
01...	0700	81213	380	266	7.7	11.0	13.0	9.6	90	50
09...	0700	81341	448	238	7.8	5.5	4.0	10.7	87	330
15...	0600	81213	477	213	7.9	4.0	-1.0	11.4	89	330
JAN										
07...	0615	81213	1090	225	7.4	11.5	18.0	9.6	91	1700
15...	0600	81341	910	171	7.6	9.0	7.0	10.2	91	900
28...	0600	81213	3140	131	7.5	7.0	4.0	10.6	90	790
FEB										
05...	0600	81341	8630	76	7.1	4.0	1.0	10.9	86	1700
APR										
14...	0500	81341	984	147	7.5	15.5	16.0	9.2	95	170
27...	0500	81213	--	125	7.4	16.0	13.0	8.6	89	310
MAY										
04...	0500	81213	1150	159	7.4	16.0	10.0	8.4	88	790
12...	0500	81341	1140	147	7.5	19.0	11.0	8.0	89	490
SEP										
02...	0500	81341	102	327	7.5	26.0	23.0	6.2	79	490
14...	0500	81213	99	444	7.2	23.0	20.0	7.0	84	220
21...	0500	81213	62	491	7.6	25.0	25.0	6.6	82	230
29...	0500	81341	97	409	7.7	24.0	24.0	5.2	64	70

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB									
25...	1500	81213	1680	139	7.1	10.3	25.0	10.7	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB								
25...	81213	17	3.5	1.3	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB							
25...	81213	<1.0	<2.0	<.1	<1.0	<2.0	7.7

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.

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

DRAINAGE AREA.--1,600 mi².

PERIOD OF RECORD.--October 1892 to current year. Monthly discharge only for October, 1892, published in WSP 1304. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 697: 1896-1928. WSP 1504: 1897-1903, 1905-07, 1909, 1912-13, 1914-15(M), 1916-18, 1919(M), 1920-22, 1923(M), 1924, 1927, 1929-30, 1932, 1933(M), 1936(M), 1938(M), 1946- 47(M). WDR GA-80-1: Drainage area.

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

REMARKS.--Records good. Flow regulated by Carters Lake and re-regulation dam (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--105 years, 2,840 ft³/s, 24.10 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 36.6 ft Apr. 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	720	2260	1500	2410	3320	4790	3960	5310	1380	1170	1210	903
2	676	2720	1420	2250	3010	4070	5710	5170	1330	1160	1100	751
3	648	2500	1430	1790	7290	3780	5590	4700	1330	894	1000	585
4	655	1970	1860	1560	14600	3710	8760	4480	1260	749	920	540
5	640	1720	2070	1490	17600	3730	9430	4020	2460	910	855	542
6	630	1650	1900	1540	17400	3830	7000	3800	4920	809	824	556
7	602	1680	1680	3890	14100	4910	4770	4610	3530	634	818	558
8	799	1640	1570	8430	9330	10700	4250	7170	2150	601	819	533
9	1050	1600	1500	9340	6690	15200	7770	6630	1950	908	911	485
10	929	1510	1470	7070	6490	17100	6900	5260	1880	975	1240	461
11	882	1420	1830	4400	6950	15900	5810	4600	2930	942	1150	445
12	884	1390	1790	3640	7260	14400	5270	4700	3770	947	1280	450
13	865	1460	1580	3970	6520	9240	5040	3230	2640	784	1270	467
14	848	1630	1450	3860	5250	6150	4950	2220	2150	489	1320	458
15	847	1620	1370	4330	4440	5280	5170	2140	1970	459	1970	406
16	833	1560	1440	7210	4010	4770	4920	2150	2060	574	3180	381
17	845	1480	1430	6900	6640	4460	9870	2100	2180	853	2350	383
18	1210	1510	1510	4740	10100	4300	12900	2010	2150	857	2430	386
19	1690	1540	1460	3790	9690	4570	14500	1880	2100	847	1680	400
20	1650	1710	1450	4330	7260	5660	16900	1850	2390	829	1990	398
21	1260	1610	1410	4950	6120	6840	18600	1830	2250	815	1440	376
22	860	2320	1480	4710	5020	6070	18900	1830	1990	791	1060	409
23	767	2490	1550	7020	5340	4670	16800	1830	1880	848	941	617
24	800	2150	2220	6810	6010	4990	12500	1810	1820	951	877	594
25	1260	1870	4540	5570	5100	5130	9130	1710	1490	1220	829	506
26	8260	1590	3550	4480	4570	4650	7300	1610	1250	1230	824	476
27	12900	1570	2810	6180	5560	4280	6570	1480	1260	1130	825	457
28	10900	1540	2880	7960	5820	3540	6230	1450	1260	1150	915	427
29	3960	1510	2530	6830	---	3280	5030	1420	1220	1430	1150	433
30	2700	1500	2460	5030	---	3060	4940	1350	1150	1330	1160	418
31	2370	---	2340	3860	---	3010	---	1440	---	1300	1150	---
TOTAL	63940	52720	59480	150340	211490	196070	255470	95790	62100	28586	39488	14801
MEAN	2063	1757	1919	4850	7553	6325	8516	3090	2070	922	1274	493
MAX	12900	2720	4540	9340	17600	17100	18900	7170	4920	1430	3180	903
MIN	602	1390	1370	1490	3010	3010	3960	1350	1150	459	818	376

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	1526	2179	3090	4584	5060	5986	4669	2861	2063	1579	1233	1193
MAX	5843	5560	8388	8517	15450	13530	10630	6948	6110	5327	2735	2732
(WY)	1990	1978	1983	1982	1990	1980	1977	1984	1989	1976	1984	1975
MIN	396	462	629	830	1539	1314	1060	751	397	452	511	449
(WY)	1979	1988	1988	1981	1988	1988	1986	1988	1988	1988	1986	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1975 - 1998			
ANNUAL TOTAL	1203855				1230275							
ANNUAL MEAN	3298				3371				2992			
HIGHEST ANNUAL MEAN	†3314				†3360				5056			
LOWEST ANNUAL MEAN									978			
HIGHEST DAILY MEAN	16600				18900				44400			
LOWEST DAILY MEAN	499				376				330			
ANNUAL SEVEN-DAY MINIMUM	535				390				352			
INSTANTANEOUS PEAK FLOW	19200				45500				Feb 18 1990			
INSTANTANEOUS PEAK STAGE	24.30				32.59				Feb 18 1990			
ANNUAL RUNOFF (CFSM)	2.06				2.10				1.87			
ANNUAL RUNOFF (INCHES)	27.95				†28.52				25.37			
10 PERCENT EXCEEDS	6870				7190				6640			
50 PERCENT EXCEEDS	2500				1870				1850			
90 PERCENT EXCEEDS	860				645				622			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1893 - 1974, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1052	1533	2900	4190	5129	5260	4218	2851	1987	1891	1487	1099
MAX	5149	9206	13060	12390	10740	13070	10310	8421	6379	7892	6890	4319
(WY)	1907	1930	1933	1947	1946	1917	1936	1929	1909	1916	1920	1898
MIN	260	331	625	958	1027	1268	1487	707	634	562	292	257
(WY)	1905	1905	1918	1956	1941	1918	1941	1941	1925	1925	1925	1925

SUMMARY STATISTICS WATER YEARS 1893 - 1974

ANNUAL MEAN	2795	
HIGHEST ANNUAL MEAN	4471	1920
LOWEST ANNUAL MEAN	1246	1941
HIGHEST DAILY MEAN	50000	Mar 31 1951
LOWEST DAILY MEAN	180	Sep 7 1925
ANNUAL SEVEN-DAY MINIMUM	203	Sep 4 1925
INSTANTANEOUS PEAK FLOW	54800	Mar 31 1951
INSTANTANEOUS PEAK STAGE	34.60	Mar 31 1951
INSTANTANEOUS LOW FLOW	a180	Sep 7, 8 1925
ANNUAL RUNOFF (CFSM)	1.74	
ANNUAL RUNOFF (INCHES)	23.71	
10 PERCENT EXCEEDS	5850	
50 PERCENT EXCEEDS	1700	
90 PERCENT EXCEEDS	610	

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a Observed, gage height, 0.5 ft

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.62	5.40	4.21	5.60	6.84	8.48	7.55	9.01	3.87	3.46	3.54	2.91
2	2.51	6.03	4.07	5.37	6.44	7.70	9.42	8.87	3.78	3.44	3.33	2.57
3	2.45	5.72	4.09	4.71	11.31	7.38	9.33	8.38	3.78	2.89	3.13	2.17
4	2.46	4.97	4.80	4.32	20.45	7.29	13.05	8.15	3.64	2.57	2.96	2.05
5	2.43	4.61	5.13	4.19	23.21	7.32	13.81	7.64	5.59	2.93	2.81	2.06
6	2.40	4.50	4.88	4.29	23.33	7.43	10.97	7.40 *	8.61	2.71	2.74	2.09
7	2.33	4.55	4.54	7.36	20.78	8.61	8.46	8.26	7.05	2.29	2.73	2.10
8	2.79	4.48	4.35	12.68	14.78	15.15	7.89	11.16	5.21	2.21	2.73	2.03
9	3.35	4.40	4.21	13.71	10.54	20.93	11.90	10.48	4.92	2.92	2.93	1.91
10	3.09	4.23	4.16	11.05	10.28	22.76	10.81	8.96	4.80	3.07	3.61	1.84
11	2.99	4.07	4.77	8.06	10.87	21.96	9.53	8.27	6.28	3.00	3.43	1.80
12	3.00	4.02	4.71	7.22	11.27	20.39	8.97	8.36	7.35	3.01	3.67	1.81
13	2.95	4.14	4.37	7.59	10.34	14.44	8.74	6.61	5.92	2.64	3.66	1.86
14	2.92	4.46	4.12	7.47	8.95	9.91	8.64	5.33	5.23	1.92	3.76	1.83
15	2.91	4.44	3.98	7.97	8.11	8.99	8.87	5.22	4.95	1.84	4.83	1.69
16	2.88	4.32	4.10	11.20	7.64	8.45	8.61	5.23	5.09	2.13	6.65	1.61
17	2.91	4.18	4.09	10.81	10.57	8.13	14.33	5.16	5.27	2.81	5.50	1.62
18	3.65	4.23	4.24	8.41	14.49	7.95	17.85	5.01	5.23	2.82	5.60	1.63
19	4.55	4.28	4.14	7.39	14.08	8.25	20.12	4.79	5.16	2.79	4.43	1.67
20	4.49	4.58	4.13	7.99	11.26	9.38	22.63	4.74	5.56	2.75	4.98	1.66
21	3.76	4.42	4.05	8.64	9.86	10.74	23.84	4.70	5.36	2.72	3.98	1.60
22	2.94	5.46	4.18	8.38	8.72	9.83	24.22	4.69	4.98	2.67	3.25	1.69
23	2.73	5.71	4.30	10.96	9.05	8.34	23.01	4.70	4.79	2.80	3.00	2.24
24	2.81	5.24	5.29	10.69	9.75	8.68	19.05	4.66	4.68	3.02	2.86	2.19
25	3.70	4.83	8.21	9.29	8.80	8.83	13.83	4.48	4.08	3.57	2.75	1.96
26	12.40	4.38	7.10	8.15	8.24	8.33	11.32	4.31	3.62	3.58	2.74	1.88
27	17.96	4.35	6.16	10.02	9.27	7.93	10.38	4.05	3.64	3.39	2.74	1.83
28	15.86	4.29	6.26	12.14	9.55	7.09	9.97	4.00	3.64	3.43	2.94	1.75
29	7.52	4.23	5.77	10.72	---	6.79	8.72	3.95	3.58	3.95	3.42	1.76
30	6.00	4.22	5.67	8.72	---	6.50	8.63	3.82	3.43	3.77	3.44	1.72
31	5.55	---	5.51	7.46	---	6.44	---	3.98	---	3.71	3.43	---
MEAN	4.55	4.62	4.83	8.47	11.74	10.34	12.82	6.27	4.97	2.93	3.60	1.92
MAX	17.96	6.03	8.21	13.71	23.33	22.76	24.22	11.16	8.61	3.95	6.65	2.91
MIN	2.33	4.02	3.98	4.19	6.44	6.44	7.55	3.82	3.43	1.84	2.73	1.60
WTR YR 1998	MEAN 6.38		MAX 24.22		MIN 1.60							

MOBILE RIVER BASIN

02388320 HEATH CREEK BELOW ROCKY MOUNTAIN DAMSITE, NEAR ARMUCHEE, GA.

LOCATION.--Lat 34°21'18", long 85°15'50", Floyd County, Hydrologic Unit 03150103, on right bank, 3.4 mi upstream from Little Armuchee Creek, 5.2 mi west of Armuchee, and 9.7 mi northwest of Rome.

DRAINAGE AREA.--16.6 mi².

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 637.00 ft above sea level (levels by Georgia Power Company).

REMARKS.--Records fair, except those less than 5 ft³/s and estimated daily discharge, which are poor to fair. Peak flow regulated by power company dam since November 1991.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	23	21	22	27	45	37	49	2.2	2.7	1.6	2.2
2	2.8	23	15	11	30	7.5	42	52	2.1	2.7	1.6	2.3
3	2.7	23	16	4.9	242	7.2	48	40	2.0	2.6	1.7	2.3
4	2.6	24	22	4.6	421	7.2	64	40	2.3	2.9	1.8	2.3
5	2.6	23	22	10	206	53	72	19	8.1	3.7	2.4	2.3
6	2.5	23	23	148	136	117	74	16	27	2.7	2.3	2.4
7	5.4	22	22	329	135	71	49	17	24	2.9	1.9	2.4
8	2.8	19	22	155	94	251	18	22	2.3	2.7	2.1	2.3
9	2.7	11	22	135	59	493	20	24	2.3	2.6	2.4	2.3
10	2.7	4.6	e18	128	62	352	18	24	2.5	2.5	3.1	2.3
11	2.6	4.5	e4.0	66	58	177	13	21	2.4	2.6	1.9	2.3
12	2.8	6.5	e4.0	40	49	107	3.9	11	2.4	2.6	2.8	2.3
13	3.0	24	e4.0	93	22	63	4.2	4.1	2.4	2.4	2.1	2.3
14	3.3	19	e4.0	99	13	50	11	3.8	2.6	2.7	2.1	2.3
15	3.1	12	e4.0	41	12	46	28	3.4	2.8	2.3	2.1	2.3
16	2.9	12	e3.9	57	12	46	45	3.3	2.7	2.8	2.2	2.2
17	2.9	15	3.8	55	68	30	621	3.3	2.5	2.5	2.1	2.2
18	2.9	14	3.7	52	60	3.6	364	3.1	2.4	2.4	2.1	2.2
19	2.9	16	10	54	56	3.4	365	3.0	2.8	2.3	2.1	2.2
20	2.9	62	22	54	51	4.7	324	2.9	3.1	2.3	2.1	2.5
21	3.0	73	21	79	50	3.4	215	2.7	3.3	2.4	2.1	2.5
22	3.0	136	24	108	50	3.2	106	2.6	3.3	2.2	2.0	2.4
23	3.0	65	22	120	62	3.4	43	2.5	3.6	2.5	2.0	2.3
24	4.0	101	42	137	65	11	8.5	2.4	5.9	1.4	2.0	2.2
25	13	96	66	94	77	18	e5.0	2.4	3.6	1.2	2.0	2.2
26	375	22	62	34	76	18	e8.2	2.3	3.0	1.2	2.0	2.3
27	391	5.9	74	33	78	18	e20	2.2	2.9	1.8	2.0	2.3
28	254	6.2	83	30	85	18	51	2.2	2.8	1.5	2.0	2.3
29	120	12	84	28	---	14	29	2.2	2.8	1.5	2.1	2.4
30	68	21	66	25	---	8.7	31	2.1	2.8	1.5	2.3	2.4
31	26	---	22	25	---	8.7	---	2.1	---	1.6	2.3	---
TOTAL	1318.9	918.7	832.4	2271.5	2356	2059.0	2737.8	387.6	134.9	71.7	65.3	69.2
MEAN	42.5	30.6	26.9	73.3	84.1	66.4	91.3	12.5	4.50	2.31	2.11	2.31
MAX	391	136	84	329	421	493	621	52	27	3.7	3.1	2.5
MIN	2.5	4.5	3.7	4.6	12	3.2	3.9	2.1	2.0	1.2	1.6	2.2
CFSM	2.56	1.84	1.62	4.41	5.07	4.00	5.50	.75	.27	.14	.13	.14
IN.	2.96	2.06	1.87	5.09	5.28	4.61	6.14	.87	.30	.16	.15	.16

e Estimated

MOBILE RIVER BASIN

02388320 HEATH CREEK BELOW ROCKY MOUNTAIN DAMSITE, NEAR ARMUCHEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	10.3	24.8	35.0	52.3	54.0	56.9	37.8	20.4	12.0	8.86	6.76	5.85
MAX	42.5	60.9	115	125	157	132	91.3	74.5	73.3	55.9	39.1	23.7
(WY)	1998	1990	1984	1996	1990	1990	1998	1984	1989	1989	1984	1989
MIN	.93	.73	1.31	6.76	9.99	14.0	2.72	1.78	1.39	1.52	1.26	1.24
(WY)	1994	1994	1994	1994	1994	1994	1995	1995	1988	1988	1988	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1982 - 1998			
ANNUAL TOTAL	12947.9				13223.0							
ANNUAL MEAN	35.5				36.2				26.8			
HIGHEST ANNUAL MEAN									47.2			
LOWEST ANNUAL MEAN									4.36			
HIGHEST DAILY MEAN	545				May 3				762			
LOWEST DAILY MEAN	2.3				Sep 7				.19			
ANNUAL SEVEN-DAY MINIMUM	2.4				Sep 3				.27			
INSTANTANEOUS PEAK FLOW					788				Apr 17			
INSTANTANEOUS PEAK STAGE					7.60				Apr 17			
ANNUAL RUNOFF (CFSM)					2.14				2.18			
ANNUAL RUNOFF (INCHES)	29.02				29.63				21.95			
10 PERCENT EXCEEDS	74				88				62			
50 PERCENT EXCEEDS	19				5.9				7.5			
90 PERCENT EXCEEDS	2.5				2.2				2.0			

MOBILE RIVER BASIN

02388500 OOSTANAULA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°18'02", long 85°08'30", Floyd County, Hydrologic Unit 03150103, on left bank 1.2 mi upstream from Dry Creek, 4.5 mi north of Rome, 4.5 mi upstream from confluence with Etowah River, and 6.5 mi downstream from Armuchee Creek.

DRAINAGE AREA.--2,120 mi².

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 4.2 mi downstream since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above sea level. Oct. 1, 1939, to Dec. 7, 1950, water-stage recorder at site 3.2 mi downstream at same datum. Since Oct. 1, 1939, auxiliary water-stage recorder at Fifth Avenue Bridge, 4.2 mi downstream. Nonrecording gage at site of auxiliary gage used as base gage for records published as Coosa River at Rome, Jan. 1, 1897, to Dec. 31, 1903.

REMARKS.--Records good. Flow regulated by Carters Lake and Carters Re-regulation Dam since 1975 (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400). Records of chemical analyses for the water years 1968-74, are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--59 years, 3,656 ft³/s, 23.42 in/yr unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft in April 1886, at site of present auxiliary gage, from information by Georgia Department of Archives.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	929	2680	1820	2780	4210	6900	4670	5940	1610	1290	1290	958
2	874	2830	1710	2730	3820	5600	6390	5980	1520	1260	1200	735
3	819	2960	1760	2600	6880	4930	7280	5640	1530	1190	1110	639
4	796	2620	2060	2230	16200	4710	8800	4850	1620	1000	1010	543
5	788	2240	2380	1940	23700	4640	11800	4480	2040	955	945	513
6	763	2110	2400	1930	25400	4910	10200	4160	3890	1020	897	511
7	812	2120	2180	4360	23700	5940	6810	5360	5220	894	886	510
8	854	2180	1940	10700	20600	11000	5620	11000	3540	775	876	516
9	1040	1930	1970	11200	12600	19600	7250	9430	2480	790	911	521
10	1120	1780	1970	10300	7500	26000	8490	7160	2190	1030	1090	507
11	1010	1770	2080	7010	7490	24200	7490	5270	2330	1040	1230	499
12	957	1740	2250	4810	7330	21600	6120	4850	3790	1040	1200	514
13	941	1780	2100	4100	7320	18200	5910	4860	3790	1020	1260	465
14	967	1870	1970	4360	6110	11900	5710	3760	2870	836	1340	469
15	964	2100	1780	4730	5190	7140	5850	2930	2390	650	1360	519
16	939	1830	1680	7630	4680	5850	5870	2790	2190	669	3030	498
17	919	1770	1700	8710	7270	5320	14800	2760	2300	764	3010	459
18	935	1790	1730	7270	11000	4990	17300	2660	2390	926	2500	467
19	1360	1820	1850	5500	11800	4980	19300	2430	2480	934	2160	475
20	1650	1870	1790	4820	10300	5990	22700	2290	2670	904	1710	462
21	1580	2110	1780	5120	7930	7300	23100	2240	2810	909	1820	461
22	1210	2840	2010	5940	6920	7850	21900	2190	2510	935	1270	476
23	925	3170	1970	8430	7140	6190	21600	2180	2140	896	878	466
24	889	2770	2840	8710	7520	5690	20400	2180	2040	1020	783	616
25	1390	2340	4880	7480	6940	6100	17500	2100	1890	1090	796	597
26	11000	2100	5170	5990	6080	5760	11000	1930	1510	1260	743	533
27	17600	1980	4280	5870	6870	5340	7480	1830	1360	1240	734	463
28	16500	1810	3830	7910	7390	5030	6540	1660	1330	1180	730	464
29	9940	1960	3450	7940	---	4780	6090	1640	1350	1240	913	481
30	3670	1940	3230	6160	---	4500	5800	1620	1270	1400	1010	488
31	2930	---	2970	5150	---	4160	---	1540	---	1310	1030	---
TOTAL	87071	64810	75530	184410	279890	267100	329770	119710	71050	31467	39722	15825
MEAN	2809	2160	2436	5949	9996	8616	10990	3862	2368	1015	1281	528
MAX	17600	3170	5170	11200	25400	26000	23100	11000	5220	1400	3030	958
MIN	763	1740	1680	1930	3820	4160	4670	1540	1270	650	730	459

MOBILE RIVER BASIN

02388500 OOSTANULA RIVER NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	1865	2670	3831	5993	6694	7982	6096	3535	2405	1878	1463	1408
MAX	7212	7437	11120	12030	21170	17900	14380	9076	7410	6904	3926	4071
(WY)	1990	1978	1983	1982	1990	1980	1977	1984	1989	1976	1984	1975
MIN	498	549	762	868	2059	1814	1217	797	544	584	592	528
(WY)	1988	1988	1988	1981	1988	1988	1986	1986	1988	1988	1986	1998

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1975 - 1998

ANNUAL TOTAL	1467360	1566355	
ANNUAL MEAN	4020	4291	3804
HIGHEST ANNUAL MEAN	†4036	†4280	6472
LOWEST ANNUAL MEAN			1301
HIGHEST DAILY MEAN	24800	26000	42300
LOWEST DAILY MEAN	613	459	390
ANNUAL SEVEN-DAY MINIMUM	657	467	428
INSTANTANEOUS PEAK FLOW		a26500	b42600
INSTANTANEOUS PEAK STAGE		c31.13	c36.47
ANNUAL RUNOFF (CFSM)	1.90	2.03	1.80
ANNUAL RUNOFF (INCHES)	25.81	†25.91	27.55
10 PERCENT EXCEEDS	7640	9630	8710
50 PERCENT EXCEEDS	2940	2230	2180
90 PERCENT EXCEEDS	1000	771	719

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1974, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1148	1877	3678	5824	7201	7121	5758	3570	2086	1923	1462	1214
MAX	2848	7483	12610	16640	15340	17270	13620	9041	6932	5600	4561	6283
(WY)	1965	1958	1962	1947	1946	1964	1951	1973	1973	1967	1967	1950
MIN	531	584	788	1156	1446	2613	1720	853	1016	881	721	530
(WY)	1955	1940	1966	1956	1941	1941	1941	1941	1948	1960	1957	1954

SUMMARY STATISTICS WATER YEARS 1940 - 1974

ANNUAL MEAN	3554
HIGHEST ANNUAL MEAN	5251
LOWEST ANNUAL MEAN	1626
HIGHEST DAILY MEAN	45700
LOWEST DAILY MEAN	408
ANNUAL SEVEN-DAY MINIMUM	444
INSTANTANEOUS PEAK FLOW	d47000
INSTANTANEOUS PEAK STAGE	c35.42
ANNUAL RUNOFF (CFSM)	1.68
ANNUAL RUNOFF (INCHES)	22.83
10 PERCENT EXCEEDS	8040
50 PERCENT EXCEEDS	1890
90 PERCENT EXCEEDS	743

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a Gage height, 30.60 ft.

b Gage height, 35.70 ft.

c Backwater from Coosa River.

d Gage height, 34.10

MOBILE RIVER BASIN

02388520 OOSTANAULA RIVER AT ROME, GA.

LOCATION.--Lat 34°16'13", long 85°10'24", Floyd County, Hydrologic Unit 03150103, at Southern Railway bridge at pumping station at City of Rome waterworks, 1.2 mi upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi², approximately.

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

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge obtained from gaging station 02388500, Oostanaula River near Rome, Ga. Flow regulated by Carters Lake and Carters Re-regulation Dam (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT											
07...	0730	81341	788	166	164	7.6	7.5	20.0	17.0	8.0	89
NOV											
19...	1030	81341	1820	147	145	7.7	7.5	8.5	11.5	10.5	91
DEC											
09...	0930	81341	1580	147	147	7.7	7.6	7.0	5.0	11.2	95
JAN											
15...	0830	81341	4330	101	--	7.2	7.4	9.0	6.0	10.0	89
FEB											
05...	0830	81341	23100	76	77	6.4	7.1	5.0	1.0	10.9	88
MAR											
11...	0800	81341	24500	65	63	7.0	6.9	8.0	.0	10.8	92
APR											
14...	0720	81341	5090	86	84	7.2	7.3	15.0	15.0	7.5	76
MAY											
12...	0730	81341	4960	93	92	7.3	7.2	17.0	14.0	7.0	74
JUN											
18...	0715	81341	2030	102	101	7.2	7.3	23.5	22.0	5.3	63
JUL											
29...	0715	81341	1000	143	142	7.3	7.4	25.0	22.5	4.8	60
SEP											
02...	0715	81341	633	133	129	7.1	7.3	25.0	23.0	4.9	61
29...	0700	81341	358	179	175	7.4	7.6	24.0	24.0	5.1	62

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
07...	81341	11	<1.0	57	19	.440	<.030	.240	3.0
NOV									
19...	81341	5.0	1.1	50	7	.440	<.030	.150	2.0
DEC									
09...	81341	6.0	1.2	53	5	.420	<.030	.080	2.0
JAN									
15...	81341	8.0	<1.0	35	11	.360	.030	.070	2.0
FEB									
05...	81341	33	1.8	28	14	.280	.050	.120	5.0
MAR									
11...	81341	48	1.8	22	88	.190	<.030	.090	6.0
APR									
14...	81341	14	<1.0	31	29	.380	<.030	.060	2.0
MAY									
12...	81341	19	<1.0	35	34	.400	<.030	.090	2.0
JUN									
18...	81341	13	<1.0	38	30	.360	<.030	.160	2.0
JUL									
29...	81341	14	<1.0	46	23	.370	<.030	.250	3.0
SEP									
02...	81341	12	1.1	41	23	.350	<.030	.200	3.0
29...	81341	9.0	1.2	64	15	.140	<.030	.250	4.0

MOBILE RIVER BASIN

02388520 OOSTANAULA RIVER AT ROME, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	0730	81341	788	166	7.6	20.0	17.0	8.0	89	2200
NOV 19...	1030	81341	1820	147	7.7	8.5	11.5	10.5	91	100
DEC 01...	0915	81213	1950	141	7.4	12.0	13.0	8.2	78	230
09...	0930	81341	1580	147	7.7	7.0	5.0	11.2	95	330
15...	0830	81213	1820	154	7.7	5.0	-2.0	11.5	92	50
JAN 07...	0900	81213	3050	143	7.3	13.0	18.0	7.9	77	3500
15...	0830	81341	4330	101	7.2	9.0	6.0	10.0	89	330
28...	0830	81213	7350	92	7.3	8.0	4.0	10.3	89	170
FEB 05...	0830	81341	23100	76	6.4	5.0	1.0	10.9	88	13000
APR 14...	0720	81341	5090	86	7.2	15.0	15.0	7.5	76	330
27...	0715	81213	7760	81	7.0	15.0	15.0	7.6	77	330
MAY 04...	0700	81213	4560	93	7.3	15.0	13.0	7.4	75	2200
12...	0730	81341	4960	93	7.3	17.0	14.0	7.0	74	230
SEP 02...	0715	81341	633	133	7.1	25.0	23.0	4.9	61	20
14...	0700	81213	433	169	7.2	22.5	18.5	5.4	64	<20
21...	0700	81213	462	194	7.1	25.0	25.0	3.7	46	170
29...	0700	81341	358	179	7.4	24.0	24.0	5.1	62	80

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAR 03...	1145	81213	4780	111	7.6	11.1	9.0	9.5	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	MAGNE- ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
MAR 03...	81213	14	2.9	<1.0	<2.0	<.5	17	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAR 03...	81213	<1.0	<2.0	<.1	<1.0	<2.0	6.7

MOBILE RIVER BASIN

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.

LOCATION.--Lat 34°15'24", long 85°10'18", Floyd County, Hydrologic Unit 03150103, at Fifth Avenue Bridge at Rome, and 0.3 mi upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi², approximately.

PERIOD OF RECORD.--October 1939 to current year. October 1971 to current year in reports of U.S. Geological Survey. Gage-height records since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above sea level.

REMARKS.--Flow regulated by Carters Lake and re-regulation dam since 1975 (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400).

EXTREMES FOR PERIOD OF RECORD.--Since October 1939, maximum gage height, 34.5 ft, Jan. 22, 1947. From 1890 to September 1939, maximum gage height, 37.2, Jan. 15, 1892.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since at least 1834, 40.3 ft in April 1886, from information by Georgia Department of Archives.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 28.81 ft, Feb. 5.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.34	10.67	5.33	8.41	8.26	9.48	8.28	10.21	4.72	5.93	4.96	4.30
2	4.61	10.69	7.03	8.11	7.51	9.11	8.92	10.02	5.84	5.35	3.95	4.07
3	4.16	10.93	7.45	7.60	13.87	9.16	10.70	9.66	6.42	5.14	3.71	3.82
4	3.97	10.62	8.16	5.72	26.49	8.97	15.91	10.88	7.11	5.07	4.60	3.72
5	3.32	10.26	8.25	5.46	28.25	9.22	14.07	11.98	7.95	3.74	4.34	3.64
6	3.24	10.17	7.43	7.33	25.31	11.46	13.86	12.13	8.65	3.76	4.26	3.21
7	4.86	10.30	5.89	9.65	22.97	12.81	12.42	11.17	7.96	4.40	4.44	3.16
8	5.38	9.49	5.96	15.23	21.11	18.81	11.29	14.46	6.79	4.24	4.32	3.32
9	5.38	7.97	6.93	15.34	18.62	26.19	14.58	14.38	7.96	4.46	3.53	3.78
10	5.57	7.82	6.47	14.28	15.19	25.95	18.46	12.18	6.37	4.62	4.41	3.85
11	5.03	8.88	6.04	9.76	12.51	23.82	15.89	13.16	6.36	4.75	5.08	3.83
12	3.52	8.62	5.88	8.40	14.53	22.41	14.22	12.82	7.27	3.77	4.88	4.04
13	3.47	8.74	6.00	9.80	14.92	22.43	12.53	12.71	7.39	3.74	4.86	3.03
14	4.89	8.88	5.18	10.82	14.02	19.63	11.55	9.48	5.50	4.00	5.47	3.00
15	4.91	8.70	5.07	11.27	13.13	15.25	11.46	7.96	5.12	3.83	5.25	4.05
16	4.20	6.04	5.80	13.91	12.73	13.63	10.80	7.78	6.04	4.18	5.48	4.07
17	3.74	5.63	5.99	14.36	15.68	12.92	17.71	6.05	5.93	4.11	5.74	3.90
18	3.77	4.66	6.03	10.87	19.30	12.42	19.64	5.59	6.04	4.30	5.29	3.83
19	3.85	4.61	4.98	9.75	18.89	12.13	20.46	6.36	6.11	3.66	4.91	3.90
20	4.22	4.62	4.76	10.27	17.25	11.53	23.84	6.56	6.83	3.50	5.22	2.61
21	4.66	5.02	4.50	10.29	14.18	11.42	23.24	6.80	5.52	4.62	5.40	2.97
22	4.36	6.53	4.80	10.45	10.47	10.27	22.81	6.79	5.17	5.12	4.93	3.91
23	4.23	6.71	5.32	12.51	10.87	9.78	22.42	6.73	6.04	3.61	3.68	3.67
24	4.00	6.36	6.53	12.49	11.66	10.57	22.91	5.02	6.35	3.90	3.54	4.10
25	5.39	7.55	9.88	11.25	11.22	10.88	22.21	4.95	6.07	4.06	4.56	4.18
26	16.53	8.43	9.62	9.47	10.73	10.52	18.69	6.08	4.83	4.53	4.10	4.07
27	21.49	8.16	8.77	9.70	10.90	9.73	15.34	6.32	5.83	4.93	4.25	2.70
28	17.92	7.35	8.77	12.40	11.10	9.12	14.24	5.89	4.58	5.22	4.56	2.90
29	14.88	7.43	8.51	13.77	---	7.08	12.90	5.89	4.09	4.82	4.70	3.80
30	11.83	4.97	8.88	13.27	---	6.74	11.14	6.36	5.35	4.65	4.48	3.85
31	10.97	---	8.64	11.31	---	6.89	---	4.91	---	4.64	4.52	---
MEAN	6.54	7.89	6.74	10.75	15.42	13.24	15.75	8.75	6.21	4.41	4.63	3.64
MAX	21.49	10.93	9.88	15.34	28.25	26.19	23.84	14.46	8.65	5.93	5.74	4.30
MIN	3.24	4.61	4.50	5.46	7.51	6.74	8.28	4.91	4.09	3.50	3.53	2.61
CAL YR 1997	MEAN 8.00		MAX 25.62		MIN 2.69							
WTR YR 1998	MEAN 8.61		MAX 28.25		MIN 2.61							

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.

LOCATION.--Lat 34°14'23", long 84°29'47", Cherokee County, Hydrologic Unit 03150104, on left bank 100 ft downstream from bridge on State Highway 5 spur and 140 at Canton, 0.8 mi upstream from Canton Creek, and 1.8 mi downstream from Hickory Log Creek.

DRAINAGE AREA.--613 mi².

PERIOD OF RECORD.--March 1892 to September 1905 (prior to October 1896, gage heights only), October 1936 to current year. Monthly discharge only for January to March 1896, published in WSP 1304. Gage heights collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1906: 1946(M). WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 844.55 ft above sea level. March 1892 to December 1905, nonrecording gage at site 100 ft upstream at datum 2.0 ft higher. Mar. 16, 1937 to Jan. 17, 1939, nonrecording gage at site 100 ft upstream at present datum. Water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station during periods of backwater caused by Allatoona Reservoir.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 27	0700	13,200	18.01	Mar. 9	0500	12,800	17.65
Jan. 8	1100	9,160	13.93	Apr. 17	2400	10,700	15.54
Feb. 4	2300	*15,000	*19.81				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	594	1280	989	1100	1520	1930	1910	4330	1500	940	621	530
2	510	1670	888	1030	1460	1810	1990	3170	1370	871	580	511
3	472	1540	838	1000	4100	1740	2720	2610	1310	802	528	509
4	456	1160	1050	994	13100	1680	4930	2520	1310	788	504	505
5	437	1000	1040	985	10900	1710	2930	2270	1700	773	488	501
6	425	956	899	1030	4550	1820	2340	2110	1820	733	469	475
7	416	1070	838	3350	3430	1940	2050	2190	1440	709	452	462
8	411	1030	809	8230	2890	8840	1920	4420	1290	735	451	457
9	406	921	897	4000	2590	11300	3720	2880	1240	865	614	444
10	401	857	966	2560	2280	5410	2900	2530	1300	777	1480	423
11	402	821	1010	2040	2150	3660	2250	2520	1460	709	823	411
12	396	797	919	1780	2110	3000	1970	2170	1360	679	622	407
13	388	927	863	1640	1930	2660	1830	1990	1250	683	563	400
14	382	1040	831	1550	1840	2430	2070	1900	1170	661	625	389
15	393	1050	794	1780	1760	2270	2340	1810	1140	633	679	378
16	393	928	762	2660	1880	2130	1960	1750	1120	602	1410	376
17	395	851	747	2510	3020	2010	6360	1720	1120	594	1340	376
18	407	806	732	1990	3610	1970	7340	1680	1070	582	916	372
19	428	788	714	1860	2600	2100	4400	1610	1070	552	710	368
20	444	763	702	1740	2230	2170	4310	1560	1290	548	1490	365
21	407	819	698	1580	2030	2250	3430	1530	1140	558	1630	448
22	400	1960	878	1560	1930	1960	3620	1500	1050	529	965	788
23	400	1610	1070	2080	2250	1840	3480	1480	1020	538	790	545
24	440	1190	1690	1980	2250	1860	2950	1450	968	737	692	454
25	1340	1020	3830	1710	1950	1800	2610	1440	926	652	657	424
26	8840	941	2020	1560	1840	1710	2400	1420	903	581	600	406
27	12400	902	1740	2300	2260	1670	2270	1380	899	584	577	398
28	4280	851	1700	2800	2200	1640	2150	1350	862	818	551	391
29	2550	839	1400	2030	---	1610	2020	1330	826	711	537	422
30	1810	920	1330	1770	---	1580	2520	1660	892	617	528	604
31	1400	---	1210	1620	---	1560	---	1880	---	589	529	---
TOTAL	42823	31307	34854	64819	86660	82060	89690	64160	35816	21150	23421	13539
MEAN	1381	1044	1124	2091	3095	2647	2990	2070	1194	682	756	451
MAX	12400	1960	3830	8230	13100	11300	7340	4420	1820	940	1630	788
MIN	382	763	698	985	1460	1560	1830	1330	826	529	451	365
CFSM	2.25	1.70	1.83	3.41	5.05	4.32	4.88	3.38	1.95	1.11	1.23	.74
IN.	2.60	1.90	2.12	3.93	5.26	4.98	5.44	3.89	2.17	1.28	1.42	.82

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	715	819	1127	1557	1842	2119	1885	1384	1098	945	834	640
MAX	3302	2461	3258	3939	3933	5163	5262	2889	3391	1853	2534	1964
(WY)	1990	1978	1962	1946	1903	1980	1964	1973	1900	1900	1901	1898
MIN	214	294	415	425	612	620	542	457	280	212	198	230
(WY)	1955	1982	1956	1956	1941	1988	1986	1941	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1897 - 1998			
ANNUAL TOTAL	439816				590299							
ANNUAL MEAN	1205				1617				1244			
HIGHEST ANNUAL MEAN									1979			
LOWEST ANNUAL MEAN									510			
HIGHEST DAILY MEAN	12400				13100				22700			
LOWEST DAILY MEAN	310				365				122			
ANNUAL SEVEN-DAY MINIMUM	322				375				145			
INSTANTANEOUS PEAK FLOW					15000				32300			
INSTANTANEOUS PEAK STAGE					19.81				26.70			
INSTANTANEOUS LOW FLOW					a364				b120			
ANNUAL RUNOFF (CFSM)	1.97				2.64				2.03			
ANNUAL RUNOFF (INCHES)	26.69				35.82				27.57			
10 PERCENT EXCEEDS	1830				2830				2180			
50 PERCENT EXCEEDS	1030				1240				933			
90 PERCENT EXCEEDS	412				444				421			

a Gage height, 1.63 ft.

b Gage height, 0.94 ft.

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.42	3.71	3.19	3.40	4.03	4.74	4.79	8.39	3.99	2.99	2.38	2.05
2	2.22	4.38	3.00	3.26	3.93	4.53	4.92	6.76	3.78	2.86	2.28	2.01
3	2.12	4.18	2.91	3.22	7.74	4.42	6.00	5.87	3.67	2.73	2.16	2.00
4	2.08	3.51	3.31	3.20	17.92	4.31	9.10	5.73	3.66	2.71	2.10	1.99
5	2.04	3.22	3.28	3.18	15.56	4.36	6.39	5.31	4.34	2.68	2.06	1.98
6	2.01	3.13	3.03	3.26	8.66	4.55	5.44	5.04	4.55	2.60	2.01	1.91
7	1.98	3.35	2.91	6.81	7.18	4.75	5.02	5.17	3.89	2.56	1.97	1.88
8	1.97	3.26	2.86	12.91	6.33	13.31	4.81	8.48	3.64	2.60	1.96	1.87
9	1.96	3.07	3.02	7.91	5.84	16.12	7.49	6.31	3.55	2.85	2.34	1.84
10	1.95	2.95	3.15	5.79	5.33	9.68	6.34	5.74	3.64	2.69	3.96	1.78
11	1.95	2.88	3.24	4.93	5.11	7.51	5.31	5.72	3.93	2.56	2.77	1.75
12	1.93	2.83	3.06	4.48	5.04	6.50	4.90	5.14	3.75	2.50	2.38	1.74
13	1.91	3.08	2.96	4.25	4.74	5.95	4.68	4.85	3.55	2.51	2.25	1.72
14	1.89	3.29	2.90	4.09	4.58	5.58	5.04	4.69	3.40	2.46	2.38	1.69
15	1.92	3.30	2.83	4.49	4.45	5.34	5.45	4.53	3.36	2.40	2.50	1.66
16	1.92	3.08	2.77	5.95	4.65	5.12	4.87	4.44	3.33	2.34	3.84	1.66
17	1.93	2.94	2.74	5.71	6.52	4.96	10.42	4.39	3.32	2.32	3.72	1.66
18	1.96	2.85	2.71	4.84	7.43	4.89	11.83	4.32	3.24	2.29	2.95	1.65
19	2.01	2.82	2.68	4.62	5.86	5.08	8.48	4.19	3.23	2.22	2.56	1.64
20	2.05	2.77	2.65	4.42	5.24	5.19	8.36	4.11	3.63	2.21	3.92	1.63
21	1.96	2.87	2.64	4.14	4.91	5.31	7.19	4.05	3.37	2.23	4.20	1.84
22	1.94	4.84	2.99	4.10	4.74	4.88	7.45	4.00	3.20	2.16	2.96	2.61
23	1.94	4.30	3.35	4.99	5.27	4.69	7.25	3.96	3.13	2.18	2.61	2.09
24	2.04	3.55	4.36	4.83	5.28	4.72	6.42	3.92	3.04	2.60	2.41	1.86
25	3.76	3.26	7.68	4.36	4.78	4.62	5.87	3.89	2.97	2.44	2.34	1.79
26	13.42	3.10	4.97	4.11	4.58	4.47	5.53	3.85	2.92	2.29	2.22	1.74
27	17.23	3.03	4.53	5.34	5.29	4.40	5.31	3.79	2.92	2.29	2.17	1.72
28	8.24	2.94	4.45	6.18	5.19	4.36	5.11	3.74	2.85	2.76	2.10	1.70
29	5.78	2.91	3.93	4.90	---	4.30	4.89	3.69	2.78	2.56	2.07	1.78
30	4.63	3.06	3.80	4.47	---	4.24	5.71	4.28	2.90	2.37	2.05	2.22
31	3.93	---	3.59	4.21	---	4.22	---	4.65	---	2.31	2.05	---
MEAN	3.39	3.28	3.40	4.91	6.29	5.71	6.35	4.94	3.45	2.49	2.57	1.85
MAX	17.23	4.84	7.68	12.91	17.92	16.12	11.83	8.48	4.55	2.99	4.20	2.61
MIN	1.89	2.77	2.64	3.18	3.93	4.22	4.68	3.69	2.78	2.16	1.96	1.63

WTR YR 1998 MEAN 4.04 MAX 17.92 MIN 1.63

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.

LOCATION.--Lat 34°09'47", long 84°44'28", Bartow County, Hydrologic Unit 03150104, on right bank 0.8 mi downstream from Allatoona Dam, 2 mi upstream from Nashville, Chattanooga, & St. Louis Railway bridge, and 3 mi east of Cartersville.

DRAINAGE AREA.--1,120 mi².

PERIOD OF RECORD.--September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville.

REVISED RECORDS.--WSP 1032: 1944. WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 686.92 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Allatoona Reservoir since December 1949 (See "Lakes and Reservoirs in Mobile River Basin", station 02393500).

AVERAGE DISCHARGE.--60 years, 1,918 ft³/s, 23.26 in/yr, adjusted for storage since 1950.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670	7330	3290	3280	1240	875	1130	1990	2180	2130	451	1160
2	1160	7680	4400	3570	1990	2210	1190	2120	3190	1880	320	1040
3	956	7730	4120	936	2520	2520	1670	3320	4040	2010	1690	1030
4	273	7770	4250	327	1400	2350	357	5720	3580	321	1390	1040
5	273	7830	3590	3630	310	5100	2150	7430	2810	322	1390	576
6	2390	7920	1120	3250	307	5420	3730	7600	914	1380	1690	585
7	3070	7980	1270	2920	298	1770	5560	2860	915	1370	1560	733
8	2710	4840	2950	3160	3520	1270	2670	3770	4510	1650	301	1390
9	2720	4390	2460	4190	6740	288	4990	3280	2000	1550	577	1530
10	2140	6080	1960	324	3850	853	7470	5020	2020	1700	1690	1530
11	279	5910	1330	317	5350	1580	7490	7590	2020	324	1640	1820
12	281	5900	1660	4130	7520	5490	7530	7640	2020	325	1520	610
13	2150	5780	762	5480	7530	7480	4140	6840	310	903	1650	586
14	2140	6280	627	5350	7580	7230	4180	3380	308	1080	1520	1870
15	1120	1650	2060	5400	7610	7080	3870	3380	1870	1550	286	1870
16	644	1580	2130	5420	7680	6890	4220	954	1560	1240	298	1630
17	713	329	2470	1580	7750	6720	4230	487	1700	1240	296	1670
18	283	323	821	1240	7800	6450	360	1860	1550	461	308	1730
19	285	330	644	3450	7770	5190	371	2320	2190	329	1450	316
20	883	329	331	3130	6850	3700	2020	2800	316	1880	1510	667
21	1090	332	332	2730	1650	1130	4100	2820	317	2510	1510	1690
22	1370	332	974	2000	1500	1220	4110	2830	2000	330	295	1330
23	1070	328	1010	2000	1970	3500	5650	362	2480	327	298	1690
24	870	2760	985	2020	2470	3690	7450	366	2300	329	1790	1810
25	318	4710	975	1420	3590	3700	7460	2200	964	928	1190	1770
26	320	5140	1900	1540	1910	3150	7490	2670	2710	1540	1480	319
27	307	3670	2080	1820	1910	3270	7530	2200	912	2000	1520	599
28	2490	4510	2080	4690	316	338	7570	2200	320	1100	2220	1570
29	5590	339	3510	5640	---	334	4770	2510	2130	924	1350	1590
30	7560	334	3520	6480	---	869	1830	342	2950	1150	1390	1750
31	7590	---	3860	1240	---	1790	---	332	---	1690	1170	---
TOTAL	54715	120416	63471	92664	110931	103457	127288	99193	57086	36473	35750	37501
MEAN	1765	4014	2047	2989	3962	3337	4243	3200	1903	1177	1153	1250
MAX	7590	7980	4400	6480	7800	7480	7570	7640	4510	2510	2220	1870
MIN	273	323	331	317	298	288	357	332	308	321	286	316
MEAN†	2089	1616	1756	3235	5003	4209	4920	3223	1661	863	857	390
CFSM†	1.87	1.44	1.57	2.89	4.47	3.76	4.39	2.88	1.48	.77	.77	.35
IN.†	2.15	1.61	1.81	3.33	4.65	4.33	4.90	3.32	1.66	.89	.88	.39

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1536	1940	2181	2228	2127	2534	2649	2346	1630	1470	1392	1251
MAX	5880	5316	5447	4724	5256	6533	9407	7214	4847	3789	3524	3685
(WY)	1990	1978	1984	1972	1982	1990	1964	1964	1973	1989	1984	1967
MIN	448	667	332	476	268	596	360	288	736	430	423	399
(WY)	1987	1985	1955	1956	1956	1986	1988	1988	1985	1986	1986	1986

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1950 - 1998

ANNUAL TOTAL	726051	938945	
ANNUAL MEAN	1989	2572	1940
HIGHEST ANNUAL MEAN		†2010	†2468
LOWEST ANNUAL MEAN			3233
HIGHEST DAILY MEAN	7980	Nov 7	7980
LOWEST DAILY MEAN	262	Mar 2	273
ANNUAL SEVEN-DAY MINIMUM	329	Nov 17	329
INSTANTANEOUS PEAK FLOW			9240
INSTANTANEOUS PEAK STAGE			7.67
ANNUAL RUNOFF (CFSM)	1.78	†1.79	2.30
ANNUAL RUNOFF (INCHES)	24.14	†24.37	31.21
10 PERCENT EXCEEDS	4090		6730
50 PERCENT EXCEEDS	1490		1830
90 PERCENT EXCEEDS	322		326

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	643	1174	1491	2426	3215	3290	2490	1911	1328	1505	1152	875
MAX	1021	4157	2984	6792	6642	6355	3729	4201	2315	2557	2175	2085
(WY)	1943	1949	1943	1946	1946	1946	1946	1946	1946	1941	1948	1949
MIN	347	474	637	1018	1012	1593	1181	687	613	814	681	420
(WY)	1942	1940	1940	1942	1941	1941	1941	1941	1941	1947	1947	1941

SUMMARY STATISTICS WATER YEARS 1938 - 1949

ANNUAL MEAN	1786
HIGHEST ANNUAL MEAN	3110
LOWEST ANNUAL MEAN	1072
HIGHEST DAILY MEAN	37100
LOWEST DAILY MEAN	270
ANNUAL SEVEN-DAY MINIMUM	299
INSTANTANEOUS PEAK FLOW	a40400
INSTANTANEOUS PEAK STAGE	20.80
INSTANTANEOUS LOW FLOW	270
ANNUAL RUNOFF (CFSM)	1.60
ANNUAL RUNOFF (INCHES)	21.69
10 PERCENT EXCEEDS	3310
50 PERCENT EXCEEDS	1210
90 PERCENT EXCEEDS	555

† Adjusted for change in contents in Allatoona Reservoir.

a From rating curve extended above 26,000 ft³/s.

b Oct 8, 9, 26, 27, 1941.

MOBILE RIVER BASIN

02394670 ETOWAH RIVER NEAR CARTERSVILLE, GA.

LOCATION.--Lat 34°08'34", long 84°50'20", Bartow County, Hydrologic Unit 03150104, on downstream side of bridge pier on State Highway 61, 3 mi southwest of Cartersville, 9.6 mi downstream from Allatoona Reservoir Dam, and at mile 38.22.

DRAINAGE AREA.--1,345 mi².

PERIOD OF RECORD.--November 1985 to current year (gage heights only). Gage-height records collected from May 1937 to Nov. 22, 1939 at site 200 ft upstream and from Nov. 1939 until at least 1961 at same site are contained in reports of National Weather Service. Gage-height records collected at same site since December 1949 and discharge measurements for the period August 1945 to May 1975 in files of the U.S. Army Corps of Engineers.

REVISED RECORDS.--WDR GA-96-1: 1995

GAGE.--Water-stage recorder. Datum of gage is 650.81 ft above sea level.

REMARKS.--Stage affected by Allatoona Reservoir Dam since December 1949.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 17.96 ft Mar. 17, 1990; minimum recorded, 4.06 ft Sept. 10, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1886 reached a stage of 37.0 ft, information supplied by U.S. Weather Service; flood of Dec. 19, 1919 reached a stage of 31.0 ft, information supplied by local resident; flood of Nov. 29, 1948 reached a stage of 30.0 ft from U.S. Weather Service stage records; minimum observed, 3.8 ft, Sept. 25, 1939, from U.S. Weather Service stage records.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.47 ft, Feb. 4; minimum, 4.62 ft, Aug. 3.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.79	13.55	8.63	9.45	7.09	6.03	6.99	7.95	7.25	7.34	5.08	6.06
2	6.01	13.89	10.15	9.37	7.27	7.81	6.73	7.73	8.62	6.93	4.77	5.83
3	6.11	13.91	9.94	6.68	10.26	8.38	8.90	8.80	9.01	7.13	6.56	5.95
4	4.85	13.92	10.47	5.02	15.22	8.17	8.06	11.86	9.13	4.90	6.34	5.94
5	4.79	13.98	9.08	8.79	9.11	11.16	8.08	13.18	8.97	4.83	6.29	5.26
6	7.41	14.08	6.78	9.00	6.58	11.80	10.19	13.72	6.38	6.37	6.65	5.21
7	8.25	14.18	6.51	9.34	6.07	9.24	11.21	9.20	5.97	6.34	6.45	5.44
8	8.17	11.61	8.10	10.39	9.07	12.71	8.40	10.55	9.48	6.68	4.79	6.20
9	7.95	10.25	8.61	9.98	13.07	11.39	13.88	9.29	7.73	6.54	5.56	6.41
10	7.33	11.74	7.37	6.32	10.67	7.77	15.08	10.52	7.27	6.70	6.98	6.42
11	4.96	12.25	6.39	5.20	11.49	7.84	14.10	13.83	7.25	4.85	6.85	6.74
12	4.74	11.89	6.62	9.16	13.92	11.81	13.97	13.74	7.19	4.82	6.57	5.26
13	7.02	11.99	6.19	11.76	13.86	14.04	11.01	13.60	5.06	5.70	6.70	5.20
14	7.09	12.08	5.40	11.34	13.89	13.81	10.62	8.93	4.92	5.89	6.80	6.78
15	6.48	8.06	7.06	11.51	13.90	13.59	10.39	8.91	6.88	6.47	4.97	6.84
16	5.39	6.79	7.47	11.90	14.04	13.40	10.11	6.05	6.74	6.12	4.96	6.66
17	5.43	5.53	7.81	7.94	14.95	13.23	10.24	5.62	6.76	6.13	5.17	6.78
18	4.78	4.93	6.33	6.66	14.86	12.99	6.13	7.01	6.58	5.07	5.00	6.62
19	4.73	4.92	5.44	9.32	14.31	12.04	7.83	7.46	7.43	4.78	6.62	4.72
20	5.51	4.90	4.90	9.09	13.32	10.29	9.49	7.87	5.31	6.79	6.48	5.27
21	6.09	5.15	4.89	9.02	8.44	7.38	10.63	8.29	5.01	7.54	6.52	6.58
22	6.05	5.88	5.77	7.73	7.20	6.46	10.53	8.24	7.14	4.91	4.82	6.34
23	5.94	5.33	6.25	8.39	8.01	9.58	11.21	5.08	7.73	4.76	4.75	6.70
24	6.10	7.81	7.12	7.93	8.66	10.18	13.74	4.97	7.44	4.95	6.56	6.75
25	5.30	10.74	7.37	7.06	9.53	10.17	13.72	7.24	5.97	5.86	6.27	6.68
26	6.91	11.15	7.95	6.81	8.02	9.42	13.70	7.83	7.84	6.55	6.30	4.77
27	6.65	9.08	7.81	7.89	8.38	9.39	13.72	7.40	5.89	7.08	6.48	5.07
28	7.75	10.88	8.07	11.10	6.08	5.83	13.73	7.41	4.94	6.51	7.52	6.50
29	10.94	5.54	9.06	11.32	---	5.13	11.41	7.79	7.19	5.93	6.28	6.46
30	13.69	5.01	9.47	12.75	---	5.67	7.63	5.46	8.22	6.09	6.32	6.54
31	13.76	---	9.82	6.98	---	7.19	---	5.17	---	6.71	6.09	---
MEAN	6.87	9.70	7.51	8.88	10.62	9.80	10.71	8.73	7.04	6.04	6.05	6.07
MAX	13.76	14.18	10.47	12.75	15.22	14.04	15.08	13.83	9.48	7.54	7.52	6.84
MIN	4.73	4.90	4.89	5.02	6.07	5.13	6.13	4.97	4.92	4.76	4.75	4.72
WTR YR 1998	MEAN 8.15		MAX 15.22		MIN 4.72							

MOBILE RIVER BASIN

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.

LOCATION.--Lat 34°11'28", long 84°55'44", Bartow County, Hydrologic Unit 03150104, at bridge on Hardin Bridge Road, 1,000 ft downstream from Ashpole Creek, and 3 mi north of Euharlee.

DRAINAGE AREA.--1,610 mi².

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

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

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Allatoona Reservoir (see "Lakes and Reservoirs in Mobile River Basin", station 02393500).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 07...	0800	81341	960	93	90	7.2	7.3	20.0	17.0	8.2	92
NOV 19...	0915	81341	670	149	145	7.8	7.6	10.5	6.5	10.1	92
DEC 09...	1030	81341	1280	89	89	7.5	7.4	10.0	5.0	10.3	94
JAN 15...	0945	81341	1370	98	--	7.3	7.4	9.0	5.0	9.6	85
FEB 05...	0930	81341	--	58	58	6.5	6.9	6.0	1.0	10.6	88
MAR 11...	0900	81341	2950	87	83	7.2	7.1	8.0	.0	10.3	88
APR 14...	0815	81341	700	82	81	7.2	7.3	14.0	14.0	9.4	93
MAY 12...	0815	81341	--	56	55	7.0	6.9	17.0	17.0	8.8	94
JUN 18...	0800	81341	1000	95	93	7.2	7.1	20.5	23.5	7.2	81
JUL 29...	0800	81341	970	89	88	7.0	7.1	23.0	26.0	6.6	79
SEP 02...	0800	81341	670	97	94	6.6	7.2	24.0	23.0	6.3	77
29...	0800	81341	990	90	89	6.9	7.0	25.0	24.0	6.1	76

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 07...	81341	6.0	<1.0	30	35	8	.340	.080	.800	2.0
NOV 19...	81341	5.0	<1.0	58	59	2	.690	<.030	.090	2.0
DEC 09...	81341	6.0	<1.0	32	23	4	.380	<.030	.030	2.0
JAN 15...	81341	10	<1.0	34	34	9	.510	.060	.040	2.0
FEB 05...	81341	76	1.3	40	19	131	.270	.040	.060	5.0
MAR 11...	81341	25	<1.0	35	32	33	.430	<.030	.030	2.0
APR 14...	81341	21	1.0	34	30	31	.400	<.030	.030	2.0
MAY 12...	81341	10	<1.0	18	20	18	.340	.030	.030	2.0
JUN 18...	81341	4.0	<1.0	36	38	4	.490	<.030	.040	2.0
JUL 29...	81341	15	<1.0	34	34	13	.260	.080	.050	2.0
SEP 02...	81341	4.0	1.0	40	37	2	.220	.160	.030	3.0
29...	81341	2.0	<1.0	28	31	3	.210	.150	.040	3.0

MOBILE RIVER BASIN

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	0800	81341	960	93	7.2	20.0	17.0	8.2	92	790
NOV 19...	0915	81341	670	149	7.8	10.5	6.5	10.1	92	130
DEC 01...	1000	81213	810	150	7.4	13.0	12.0	9.6	94	490
09...	1030	81341	1280	89	7.5	10.0	5.0	10.3	94	80
15...	0930	81213	710	114	7.6	7.0	1.0	11.2	94	50
JAN 07...	1000	81213	1170	100	7.2	12.0	18.0	9.7	92	1400
15...	0945	81341	1370	98	7.3	9.0	5.0	9.6	85	70
28...	0930	81213	2120	90	7.2	8.0	7.0	10.3	89	700
FEB 05...	0930	81341	--	58	6.5	6.0	1.0	10.6	88	4600
APR 14...	0815	81341	700	82	7.2	14.0	14.0	9.4	93	1300
27...	0800	81213	--	57	7.0	15.0	15.0	9.2	93	80
MAY 04...	0800	81213	2300	81	7.2	16.0	12.0	9.0	94	170
12...	0815	81341	--	56	7.0	17.0	17.0	8.8	94	170
SEP 02...	0800	81341	670	97	6.6	24.0	23.0	6.3	77	170
14...	0800	81213	292	120	7.1	23.0	19.0	6.4	76	220
21...	0800	81213	1050	108	7.0	24.0	24.0	6.0	73	330
29...	0800	81341	990	90	6.9	25.0	24.0	6.1	76	250

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAR 03...	1005	81213	1400	98	7.0	9.3	7.0	10.2	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
MAR 03...	81213	10	3.5	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAR 03...	81213	120	<2.0	<.1	<1.0	<2.0	3.5

MOBILE RIVER BASIN

02395120 TWO RUN CREEK NEAR KINGSTON, GA.

LOCATION.--Lat 34°14'34", long 84°53'23", Bartow County, Hydrologic Unit 03150104, on right bank 200 ft upstream from bridge on State Highway 293, 1.9 mi upstream from Limekiln Branch, and 3 mi east of Kingston.

DRAINAGE AREA.--33.1 mi².

PERIOD OF RECORD.--May 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 723.10 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1330	*2,030	*6.97	Mar. 9	0430	1,570	6.49
Feb. 4	0245	1,790	6.73	Apr. 19	1345	1,530	6.44
Mar. 8	1030	1,450	6.35	May 8	0545	1,810	6.75

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	54	36	46	50	71	58	63	30	21	15	13
2	21	62	32	43	54	68	48	52	27	19	12	13
3	20	50	42	48	857	59	176	54	25	17	16	12
4	18	42	71	39	1390	55	176	55	34	18	13	12
5	15	40	51	41	357	71	106	45	71	19	14	9.4
6	17	45	41	45	177	88	82	43	45	19	13	8.9
7	15	45	37	144	134	188	68	66	30	18	12	12
8	14	40	42	166	110	866	62	817	30	18	13	14
9	14	39	40	111	94	866	180	152	28	19	17	11
10	15	37	44	78	81	219	95	112	26	18	33	11
11	15	36	41	63	83	149	71	85	26	15	18	10
12	13	36	37	59	76	116	62	67	25	18	15	11
13	16	40	34	55	69	99	60	56	22	18	13	9.8
14	13	40	33	48	58	87	75	50	22	16	15	9.9
15	14	36	36	92	51	76	66	46	26	16	14	15
16	13	31	31	145	69	72	57	42	23	15	14	10
17	12	35	30	102	205	66	231	39	23	17	16	12
18	13	27	29	79	142	67	147	40	21	15	14	12
19	15	26	29	97	102	64	837	36	39	14	12	12
20	12	24	26	78	85	77	283	36	29	14	12	10
21	13	39	25	65	71	66	153	33	24	18	14	17
22	16	93	34	85	70	57	122	33	23	15	12	14
23	14	50	28	116	113	54	101	31	22	15	10	13
24	25	43	149	87	87	67	79	29	20	15	14	11
25	198	38	129	69	72	57	73	33	19	17	12	10
26	1300	36	90	64	69	51	63	30	19	18	12	9.9
27	607	32	115	138	120	50	57	27	20	18	11	11
28	132	36	90	109	82	47	52	28	20	20	11	17
29	87	36	86	83	---	43	50	28	18	16	9.3	15
30	63	36	72	69	---	44	65	35	18	15	11	13
31	52	---	58	61	---	42	---	28	---	15	17	---
TOTAL	2814	1224	1638	2525	4928	4002	3755	2291	805	526	434.3	358.9
MEAN	90.8	40.8	52.8	81.5	176	129	125	73.9	26.8	17.0	14.0	12.0
MAX	1300	93	149	166	1390	866	837	817	71	21	33	17
MIN	12	24	25	39	50	42	48	27	18	14	9.3	8.9
CFM	2.74	1.23	1.60	2.46	5.32	3.90	3.78	2.23	.81	.51	.42	.36
IN.	3.16	1.38	1.84	2.84	5.54	4.50	4.22	2.57	.90	.59	.49	.40

MOBILE RIVER BASIN

02395120 TWO RUN CREEK NEAR KINGSTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	25.5	30.6	44.9	66.6	93.4	93.1	65.0	41.0	25.6	20.6	22.2	19.1
MAX	112	129	164	144	247	213	156	84.9	60.2	57.9	90.9	57.9
(WY)	1990	1993	1984	1996	1990	1990	1982	1984	1989	1989	1992	1989
MIN	7.25	9.28	8.93	11.5	18.9	24.9	15.4	11.4	7.97	8.27	7.72	8.39
(WY)	1988	1988	1989	1981	1986	1988	1986	1986	1988	1986	1988	1986

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1980 - 1998

ANNUAL TOTAL	19318.8	25301.2	
ANNUAL MEAN	52.9	69.3	45.4
HIGHEST ANNUAL MEAN			86.2 1990
LOWEST ANNUAL MEAN			12.9 1986
HIGHEST DAILY MEAN	1300	Oct 26	1390 Feb 4 1840 Jan 27 1996
LOWEST DAILY MEAN	9.3	Sep 20	8.9 Sep 6 4.5 Oct 12 1988
ANNUAL SEVEN-DAY MINIMUM	11	Sep 14	11 Sep 5 5.2 Oct 7 1988
INSTANTANEOUS PEAK FLOW			2030 Oct 26 3960 Jan 27 1996
INSTANTANEOUS PEAK STAGE			6.97 Oct 26 8.42 Jan 27 1996
ANNUAL RUNOFF (CFSM)	1.60	2.09	1.37
ANNUAL RUNOFF (INCHES)	21.71	28.44	18.62
10 PERCENT EXCEEDS	91	115	86
50 PERCENT EXCEEDS	35	37	23
90 PERCENT EXCEEDS	15	13	10

MOBILE RIVER BASIN

02395980 ETOWAH RIVER AT STATE HIGHWAY 1 LOOP, NEAR ROME, GA.

LOCATION.--Lat 34°13'56", long 85°07'01", Floyd County, Hydrologic Unit 03150104, on downstream side of center pier of Loop 1 by-pass bridge, 4.6 mi upstream from Southern Railway bridge and 6.6 mi upstream from confluence with Oostanaula River.

DRAINAGE AREA.--1801 mi².

PERIOD OF RECORD.--July to December 1903; August 1904 to June 1921, published as "near Rome"; October 1938 to September 1994, published as "at Rome" (station 02396000). October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above sea level. July 1 to Dec. 31, 1903, non-recording gage at Second Avenue Bridge, 1 mi downstream at different datum. Aug. 17, 1904 to June 30, 1921, non-recording gage at Freemans Ferry 5 mi upstream at different datum. Oct. 1, 1938 to September 30, 1994 recording gage at Southern Railway bridge 4.6 mi downstream at same datum.

REMARKS.--Records good, except those for periods of estimated daily discharge, which are fair. Flow regulated by Allatoona Reservoir since 1949 (see "Lakes and Reservoirs in Mobile River basin", station 02393500). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--76 years (water years 1905-20, 1939-98), 2,966 ft³/s, 22.37 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, Dec. 11, 1919. Flood of April 9, 1938 reached a stage of 37.5 ft, discharge 46,500 ft³/s, from gage readings and discharge measurements by U.S. Army Corps of Engineers at former site (Southern Railway bridge) and datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1770	8400	2390	4810	3160	2160	3410	4000	1280	3190	2100	1540
2	2280	8420	4370	4340	2320	3360	2380	3740	3210	2570	944	1560
3	1780	8580	4620	3600	9310	3920	4190	3700	3730	2350	779	1550
4	1550	8520	5470	1610	25900	3880	9620	6710	4360	2510	2020	1340
5	868	8550	4940	2420	15700	4580	3340	8190	4860	951	1760	1470
6	856	8660	3560	4250	5270	7270	5220	8780	4140	906	1750	990
7	2860	8840	2110	4700	3650	7620	6570	5550	2060	1840	2020	988
8	3460	7200	2680	6300	3750	13700	5460	5990	2590	1820	1890	1120
9	3140	5250	3850	5500	e7600	18000	10500	5690	4370	2130	953	1670
10	3130	5490	2930	4230	8370	7380	13900	5740	2800	1970	1730	1790
11	2590	7000	2270	1640	5730	e4600	10500	9300	2810	2100	2270	1790
12	819	6600	2080	2980	9390	e5400	9640	8950	2760	903	2120	2080
13	808	6740	2530	5430	9590	e9600	7000	8850	2720	853	1980	985
14	2560	6860	1340	6480	9370	9650	6100	4770	1100	1380	2660	956
15	2550	5710	1840	6660	9190	9660	5910	4360	1070	1510	2200	2100
16	1600	2620	2670	7550	9290	9110	5040	4060	2540	1950	1030	2140
17	1140	2050	2920	6440	11500	8780	6200	1940	2240	1770	976	1940
18	1200	1090	2820	2930	12700	8470	5150	1470	2330	1720	1090	1900
19	770	1050	1340	3650	10600	8140	5880	2710	2270	959	1030	1980
20	753	1030	1150	4920	9270	5990	8700	3110	3090	798	1790	676
21	1510	1050	895	4800	6870	4720	5810	3530	1210	2220	1950	1020
22	1340	2180	1020	3890	3480	2510	6400	3600	1090	2780	1950	1980
23	1750	1970	1760	4620	4140	3750	6400	3250	2650	809	788	1680
24	1520	2360	2140	4100	4960	5350	9060	1160	2900	1060	757	1950
25	2000	4400	4590	e3400	4850	5350	9020	1160	2800	1120	2230	2050
26	7690	5920	3760	2420	4650	4950	9100	2890	1630	1500	1480	2030
27	6950	5300	3330	3480	4500	4580	9370	3200	3050	2010	1830	669
28	2350	4650	3960	5580	3810	3410	9150	2870	1490	2580	2320	941
29	4960	3940	4120	6790	---	1530	7210	2810	942	1860	2070	1830
30	8470	1220	4870	8120	---	1490	4740	3490	2720	1490	1730	1870
31	8430	---	4910	e5500	---	2010	---	1560	---	1630	1760	---
TOTAL	83454	151650	93235	143140	218920	190920	210970	137130	76812	53239	51957	46585
MEAN	2692	5055	3008	4617	7819	6159	7032	4424	2560	1717	1676	1553
MAX	8470	8840	5470	8120	25900	18000	13900	9300	4860	3190	2660	2140
MIN	753	1030	895	1610	2320	1490	2380	1160	942	798	757	669

e Estimated.

MOBILE RIVER BASIN

02395980 ETOWAH RIVER AT STATE HIGHWAY 1 LOOP, NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	2544	3237	2624	3297	5239	5860	4163	2945	2392	1949	1762	1728
MAX	3864	5446	3240	4617	7819	8045	7032	4424	3472	2804	2040	2400
(WY)	1996	1996	1997	1998	1998	1996	1998	1998	1997	1994	1994	1994
MIN	1459	1432	1716	1745	2983	4808	1682	1819	1564	1236	1477	1154
(WY)	1994	1995	1994	1995	1994	1994	1995	1995	1995	1996	1995	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1993 - 1998			
ANNUAL TOTAL	1171157				1458012							
ANNUAL MEAN	3209				3995				3141			
HIGHEST ANNUAL MEAN	†3230				†3891				3995			
LOWEST ANNUAL MEAN									2304			
HIGHEST DAILY MEAN	13800				25900				25900			
LOWEST DAILY MEAN	644				669				524			
ANNUAL SEVEN-DAY MINIMUM	1180				1190				829			
INSTANTANEOUS PEAK FLOW					27900				a36000			
INSTANTANEOUS PEAK STAGE					36.05				b36.13			
ANNUAL RUNOFF (CFSM)	1.78				†1.79				1.74			
ANNUAL RUNOFF (INCHES)	24.19				†24.36				23.70			
10 PERCENT EXCEEDS	6180				8610				6280			
50 PERCENT EXCEEDS	2590				2920				2280			
90 PERCENT EXCEEDS	1170				1070				976			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1510	1644	3184	3764	5248	5510	4121	2965	2288	2763	2221	1481
MAX	4508	5886	9013	9297	12270	14950	13440	6281	5227	12610	7312	3248
(WY)	1907	1949	1921	1946	1921	1917	1920	1920	1909	1916	1920	1917
MIN	423	614	840	1365	1525	1549	1719	1011	897	1191	1056	588
(WY)	1905	1905	1940	1914	1941	1914	1905	1941	1941	1947	1947	1904

SUMMARY STATISTICS WATER YEARS 1904 - 1949

ANNUAL MEAN	3023	
HIGHEST ANNUAL MEAN	5782	1920
LOWEST ANNUAL MEAN	1533	1914
HIGHEST DAILY MEAN	46300	Dec 11 1919
LOWEST DAILY MEAN	360	Oct 10 1904
ANNUAL SEVEN-DAY MINIMUM	411	Oct 21 1904
INSTANTANEOUS PEAK FLOW	c55000	Dec 11 1919
INSTANTANEOUS PEAK STAGE	d	Dec 11 1919
ANNUAL RUNOFF (CFSM)	1.66	
ANNUAL RUNOFF (INCHES)	22.58	
10 PERCENT EXCEEDS	5590	
50 PERCENT EXCEEDS	1920	
90 PERCENT EXCEEDS	900	

† Adjusted for change in contents in Allatoona Reservoir.

a Gage height, 35.81 ft, at site and datum then in use.

b Backwater from Coosa River.

c Computed from data at upstream stations.

d Over 28 ft, at former site at Freemans Ferry at different datum.

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°12'01", long 85°15'24", Floyd County, Hydrologic Unit 03150105, on left bank attached to left lock wall of Mayo's Bar lock near upstream end, 1.5 mi upstream from Webb Creek, 6 mi southwest of Rome, 7.5 mi downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.--4,040 mi², approximately.

PERIOD OF RECORD.--October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Water years 1959-62 (annual maximum only). Gage-height records collected at same site for period 1922-49, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1674, 1906: 1959(M) WDR GA-90-1: 1937-38(M), 1946(P), 1947(M), 1949(M), WDR GA-92-1: 1981.

GAGE.--Water-stage recorder. Datum of gage is 553.05 ft above sea level (levels by Corps of Engineers). Jan. 1, 1897, to Dec. 31, 1903, nonrecording gage at site 7.5 mi upstream at datum 8.65 ft higher. June 21, 1928, to Dec. 31, 1931, and Mar. 10, 1937, to Dec. 31, 1958, water-stage recorder at site 200 ft downstream at same datum. Water-stage recorder at Oostanaula River at Fifth Avenue in Rome used as auxiliary gage since 1963.

REMARKS.--Records good. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974 (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400, 02382400 and 02393500).

AVERAGE DISCHARGE.--67 years (water years 1897-1903, 1929-31, 1938-58, 1963-98), 6,768 ft³/s, 22.75 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft at site and datum at Rome, equivalent to about 43 ft at present site, from gage-height relation, Apr. 1, 1886, discharge, 100,000 ft³/s, from rating curve extended above 63,000 ft³/s on basis of peak flow at Gadsden, Ala.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3030	12300	3790	7700	7350	8420	7240	10600	3330	4840	3680	3020
2	3400	12100	6060	7290	6480	7980	7800	10100	4820	4130	2380	2750
3	2810	12500	6600	6720	15600	8110	10500	9470	5460	3880	2140	2440
4	2560	12000	7470	4430	35200	7910	19100	11500	6280	3840	3320	2370
5	1840	11400	7590	3920	41300	8180	16300	13900	7600	2220	3000	2250
6	1750	11200	6550	6360	35200	11700	15900	14100	8060	2220	2920	1800
7	3730	11400	4680	9460	30800	14500	14000	12600	6970	3030	3140	1720
8	4410	9920	4770	17800	28100	23300	12500	16400	5730	2850	2970	1880
9	4370	7380	5950	18200	24400	35700	16600	17200	7270	3140	2000	2440
10	4590	7090	5440	16800	18700	36600	23800	13900	5370	3280	2960	2550
11	3900	8720	4910	9920	14600	32800	19700	15000	5270	3440	3920	2530
12	1980	8380	4610	7450	16800	30100	16800	14800	6140	2260	3660	2800
13	1920	8520	4760	9690	17500	30000	14300	14700	6350	2240	3600	1620
14	3720	8740	3750	11500	16100	26200	12800	10200	4230	2550	4440	1580
15	3760	8730	3530	12200	15100	18900	12600	7210	3790	2350	4200	2810
16	2800	4940	4630	16000	14300	15900	11500	7000	4960	2810	4240	2830
17	2230	4480	4870	16900	18600	14900	22000	4960	4800	2640	4730	2600
18	2250	3060	4930	11700	25100	14300	25900	4420	4900	2840	4170	2520
19	2210	2960	3470	9610	24600	13500	27000	5340	4990	2080	3660	2610
20	2600	2940	3150	10600	21700	12400	32100	5580	5810	1930	4130	1240
21	3240	3460	2790	10600	16800	12000	31200	5850	4260	3290	4320	1540
22	2970	5400	3100	10800	10100	9640	30600	5800	3790	3890	3800	2590
23	2880	5590	3870	14000	10400	8930	30000	5750	4950	2040	2280	2280
24	2570	5150	5320	14100	11900	10200	30800	3570	5280	2320	2140	2780
25	4340	6620	9840	12300	11100	10800	29700	3460	4950	2480	3420	2900
26	20600	7880	9300	9200	10500	10300	24700	5010	3440	3080	2840	2760
27	28700	7600	8110	9360	10400	8970	18900	5310	4670	3700	2990	1290
28	23000	6440	8150	13500	10900	8360	16800	4820	3070	4040	3330	1450
29	18200	6700	7770	15900	---	5910	15100	4800	2500	3510	3560	2420
30	14500	3410	8390	15400	---	5560	12700	5360	4130	3220	3220	2490
31	13100	---	8020	12700	---	5760	---	3560	---	3260	3280	---
TOTAL	193960	227010	176170	352110	519630	467830	578940	272270	153170	93400	104440	68860
MEAN	6257	7567	5683	11360	18560	15090	19300	8783	5106	3013	3369	2295
MAX	28700	12500	9840	18200	41300	36600	32100	17200	8060	4840	4730	3020
MIN	1750	2940	2790	3920	6480	5560	7240	3460	2500	1930	2000	1240

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	3634	4906	6743	9541	10740	12580	10810	7481	4751	4043	3436	3145
MAX	15440	14130	18640	20980	31130	29220	25730	16880	13970	10450	9360	9956
(WY)	1990	1978	1984	1974	1990	1990	1964	1964	1973	1989	1984	1950
MIN	1472	1665	1881	1922	3798	3115	2544	1651	1513	1341	1333	1473
(WY)	1989	1988	1988	1956	1988	1988	1986	1988	1988	1986	1986	1955

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1950 - 1998

ANNUAL TOTAL	2923010		3207790									
ANNUAL MEAN	8008	†8045	8788	†8673						6810		
HIGHEST ANNUAL MEAN										11880		1990
LOWEST ANNUAL MEAN										2509		1988
HIGHEST DAILY MEAN	34400	May 4	41300	Feb 5						64200		Mar 18 1990
LOWEST DAILY MEAN	1180	Sep 22	1240	Sep 20						907		Oct 14 1988
ANNUAL SEVEN-DAY MINIMUM	1770	Sep 18	2130	Sep 3						1020		Oct 2 1986
INSTANTANEOUS PEAK FLOW			42300	Feb 5						65500		Mar 18 1990
INSTANTANEOUS PEAK STAGE			30.60	Feb 5						35.97		Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.98	†1.99	2.18	†2.15						1.69		
ANNUAL RUNOFF (INCHES)	26.91	†27.04	29.54	†29.15						22.90		
10 PERCENT EXCEEDS	15000		18400							14800		
50 PERCENT EXCEEDS	6570		5750							4470		
90 PERCENT EXCEEDS	2750		2460							1980		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2488	3872	5562	8606	12640	14420	10700	6325	4667	4565	3885	3229
MAX	11830	19240	16020	23820	25380	27110	22290	18480	14150	8742	13790	12110
(WY)	1899	1930	1949	1947	1946	1903	1938	1929	1900	1938	1901	1898
MIN	1051	1291	1682	3036	2705	4382	3541	1860	1871	2203	1608	1106
(WY)	1932	1940	1940	1940	1898	1898	1941	1941	1941	1930	1930	1897

SUMMARY STATISTICS WATER YEARS 1897 - 1949

ANNUAL MEAN	6682											
HIGHEST ANNUAL MEAN	9943				1946							
LOWEST ANNUAL MEAN	3236				1941							
HIGHEST DAILY MEAN	64600				Jan 22 1947							
LOWEST DAILY MEAN	870				Oct 18-22 1931							
ANNUAL SEVEN-DAY MINIMUM	879				Oct 17 1931							
INSTANTANEOUS PEAK FLOW	71000				Jan 22 1947							
INSTANTANEOUS PEAK STAGE	37.00				Jan 22 1947							
ANNUAL RUNOFF (CFSM)	1.65											
ANNUAL RUNOFF (INCHES)	22.47											
10 PERCENT EXCEEDS	14100											
50 PERCENT EXCEEDS	3870											
90 PERCENT EXCEEDS	1670											

† Adjusted for change in contents in Carters Lake, Carters Re-regulation Dam, and Allatoona Reservoir.

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.99	15.28	12.37	13.93	13.82	14.35	13.86	15.17	12.23	12.87	12.33	11.92
2	12.13	15.20	13.31	13.79	13.49	14.17	14.11	14.99	12.84	12.57	11.74	11.80
3	11.87	15.33	13.52	13.57	17.40	14.23	15.14	14.76	13.13	12.46	11.59	11.64
4	11.76	15.16	13.84	12.64	27.82	14.15	19.28	15.50	13.48	12.44	12.14	11.59
5	11.34	14.95	13.87	12.45	30.38	14.26	17.90	16.45	14.05	11.69	12.00	11.53
6	11.28	14.89	13.49	13.46	28.48	15.57	17.63	16.63	14.26	11.69	11.95	11.26
7	12.27	14.95	12.71	14.48	26.17	16.75	16.65	16.03	13.79	12.07	12.05	11.20
8	12.58	14.55	12.75	18.17	24.30	21.31	15.92	17.93	13.23	11.99	11.97	11.30
9	12.56	13.78	13.26	18.62	22.34	28.18	17.98	18.50	13.92	12.12	11.48	11.60
10	12.66	13.70	13.05	17.83	19.37	29.06	21.72	16.60	13.08	12.18	12.00	11.65
11	12.37	14.21	12.82	14.60	16.74	27.85	19.85	17.25	13.03	12.26	12.40	11.64
12	11.45	14.10	12.70	13.84	18.07	25.53	18.25	17.17	13.42	11.71	12.28	11.76
13	11.41	14.14	12.77	14.51	18.51	25.35	16.91	17.04	13.52	11.70	12.25	11.13
14	12.28	14.21	12.35	15.06	17.77	23.53	15.97	15.06	12.60	11.86	12.61	11.09
15	12.30	14.15	12.27	15.30	16.97	19.56	15.90	13.86	12.43	11.74	12.51	11.76
16	11.89	12.81	12.70	17.18	16.55	17.83	15.48	13.77	12.91	11.95	12.52	11.78
17	11.60	12.62	12.80	17.78	18.82	17.09	20.61	12.87	12.85	11.89	12.71	11.68
18	11.61	12.06	12.83	15.19	22.20	16.57	22.91	12.64	12.89	11.99	12.47	11.63
19	11.59	12.01	12.23	14.48	22.05	16.25	23.48	13.05	12.93	11.60	12.28	11.67
20	11.81	12.01	12.11	14.76	20.73	15.81	26.42	13.15	13.28	11.51	12.46	10.82
21	12.10	12.22	11.94	14.74	18.16	15.64	26.25	13.27	12.60	12.18	12.54	11.06
22	11.99	13.03	12.09	14.82	14.99	14.82	25.80	13.25	12.43	12.44	12.31	11.66
23	11.90	13.11	12.40	16.04	15.10	14.56	25.36	13.23	12.91	11.56	11.61	11.53
24	11.77	12.92	13.01	16.10	15.60	15.03	25.64	12.32	13.06	11.74	11.52	11.77
25	12.54	13.54	14.54	15.32	15.36	15.25	25.35	12.28	12.92	11.82	12.12	11.82
26	19.90	13.96	14.40	14.37	15.12	15.06	22.72	12.92	12.27	12.10	11.85	11.75
27	24.58	13.86	14.05	14.41	15.11	14.58	19.52	13.06	12.80	12.36	11.91	10.86
28	21.53	13.47	14.06	15.85	15.28	14.32	18.32	12.84	12.12	12.50	12.08	10.99
29	18.99	13.52	13.95	17.16	---	13.27	17.31	12.83	11.85	12.27	12.18	11.58
30	16.43	12.22	14.14	16.84	---	13.12	16.00	13.07	12.56	12.15	12.02	11.62
31	15.62	---	14.03	15.67	---	13.21	---	12.33	---	12.15	12.05	---
MEAN	13.42	13.73	13.11	15.26	19.17	17.62	19.61	14.51	12.98	12.05	12.13	11.50
MAX	24.58	15.33	14.54	18.62	30.38	29.06	26.42	18.50	14.26	12.87	12.71	11.92
MIN	11.28	12.01	11.94	12.45	13.49	13.12	13.86	12.28	11.85	11.51	11.48	10.82
CAL YR 1997	MEAN 14.05		MAX 27.68		MIN 10.82							
WTR YR 1998	MEAN 14.55		MAX 30.38		MIN 10.82							

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.

LOCATION.--Lat 34°11'54", long 85°26'46", Floyd County, Ga.-Cherokee County, Ala., Hydrologic Unit 03150105, 6.5 mi southwest of Coosa, and at mile 254.8.

DRAINAGE AREA.--4,360 mi², approximately.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1976 to current year.

pH: August 1976 to current year.

WATER TEMPERATURE: August 1976 to current year.

DISSOLVED OXYGEN: August 1976 to current year.

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

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Allatoona Reservoir and by Carters Lake and Carters Re-regulation Dam (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400, 02382400, and 02393500).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 265 microsiemens Dec. 3, 1987; minimum recorded, 32 microsiemens Apr. 15, 1979.

pH: Maximum recorded, 10.4 units July 9, 1993; minimum recorded, 6.1 units Sept. 22, 1992.

WATER TEMPERATURE: Maximum recorded, 36.5°C July 25, 1986; minimum recorded, 1.0°C Jan. 13, 1982.

DISSOLVED OXYGEN: Maximum recorded, 16.0 mg/L Aug. 17, 1993; minimum recorded, 0.4 mg/L July 14, 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 07...	0640	81341	197	193	7.9	7.6	21.0	15.0	7.2	82
NOV 19...	1200	81341	154	152	7.7	7.6	12.5	13.5	9.5	90
DEC 09...	0905	81341	175	174	7.8	7.7	9.0	5.0	9.1	81
JAN 15...	0755	81341	114	--	7.3	7.4	9.0	6.0	8.4	74
FEB 05...	0805	81341	60	57	--	7.0	6.0	1.0	8.9	74
MAR 11...	0740	81341	71	69	7.0	7.0	9.0	-5.0	8.2	72
APR 14...	0650	81341	86	88	7.2	7.2	15.0	16.0	8.7	89
MAY 12...	0650	81341	85	83	7.2	7.1	17.0	13.0	8.2	87
JUN 18...	0645	81341	142	138	7.3	7.5	24.0	19.0	5.2	63
JUL 29...	0645	81341	135	133	7.3	7.2	25.5	22.5	4.7	59
SEP 02...	0640	81341	157	151	7.1	7.5	28.0	23.0	3.8	50
29...	0645	81341	238	237	7.4	7.7	28.0	24.0	3.1	41

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)
OCT 07...	81341	12	15	<1.0	62	64	23
NOV 19...	81341	11	9	1.0	50	53	22
DEC 09...	81341	8.0	10	1.7	58	62	10
JAN 15...	81341	12	8	<1.0	41	40	33
FEB 05...	81341	66	16	1.9	25	19	47
MAR 11...	81341	50	20	1.7	35	26	37
APR 14...	81341	15	5	<1.0	39	34	27
MAY 12...	81341	16	9	<1.0	32	29	34
JUN 18...	81341	12	12	<1.0	50	52	22
JUL 29...	81341	13	15	<1.0	46	47	18
SEP 02...	81341	11	16	1.0	42	46	18
29...	81341	12	16	1.0	56	71	25

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 07...	81341	.460	<.030	--	.30	.76	.180	4.0
NOV 19...	81341	.400	<.030	--	.30	.70	.090	4.0
DEC 09...	81341	.420	<.030	--	.30	.72	.050	3.0
JAN 15...	81341	.460	.040	.26	.30	.76	.070	2.0
FEB 05...	81341	.270	.050	.55	.60	.87	.100	5.0
MAR 11...	81341	.200	.030	.57	.60	.80	.080	6.0
APR 14...	81341	.380	<.030	--	.20	.58	.060	2.0
MAY 12...	81341	.350	<.030	--	.20	.55	.060	2.0
JUN 18...	81341	.450	.030	.27	.30	.75	.110	2.0
JUL 29...	81341	.330	.040	.36	.40	.73	.090	3.0
SEP 02...	81341	.350	<.030	--	.40	.75	.130	3.0
29...	81341	.380	.040	.46	.50	.88	.260	5.0

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT									
07...	0640	81341	197	7.9	21.0	15.0	7.2	82	560
NOV									
19...	1200	81341	154	7.7	12.5	13.5	9.5	90	40
DEC									
01...	0840	81213	169	7.7	12.0	12.0	9.2	88	170
09...	0905	81341	175	7.8	9.0	5.0	9.1	81	490
15...	0750	81213	182	7.8	7.0	-3.0	9.3	78	50
JAN									
07...	0845	81213	120	7.7	15.0	18.0	8.6	88	9200
15...	0755	81341	114	7.3	9.0	6.0	8.4	74	490
28...	0800	81213	107	7.4	8.0	3.0	8.5	73	110
FEB									
05...	0805	81341	60	--	6.0	1.0	8.9	74	4900
APR									
14...	0650	81341	86	7.2	15.0	16.0	8.7	89	230
27...	0640	81213	85	7.0	16.0	14.0	8.4	87	790
MAY									
04...	0645	81213	103	7.3	15.0	9.0	8.3	85	4900
12...	0650	81341	85	7.2	17.0	13.0	8.2	87	1300
SEP									
02...	0640	81341	157	7.1	28.0	23.0	3.8	50	260
14...	0640	81213	190	7.1	26.0	16.0	3.8	48	20
21...	0640	81213	210	7.2	24.0	24.0	3.6	44	220
29...	0645	81341	238	7.4	28.0	24.0	3.1	41	20

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.

LOCATION.--Lat 34°28'03", long 85°20'19", Chattooga County, Hydrologic Unit 03150105, on left bank 600 ft downstream from bridge on U.S. Highway 27, 1 mi southeast of Summerville, and 4 mi upstream from Raccoon Creek.

DRAINAGE AREA.--192 mi².

PERIOD OF RECORD.--March 1937 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 613.47 ft above sea level (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for periods of estimated daily discharge, which are fair. Low and medium flow had previously been regulated by a powerplant at Trion, 6 mi upstream from the station, but is now no longer in operation.

PEAKS DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 8	1000	*5,970	*14.98	Mar. 9	1430	5,170	14.38
Feb. 4	1530	4,250	13.52	Apr. 19	2130	5,900	14.93

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	189	139	262	411	619	593	387	160	112	93	88
2	96	201	134	246	385	541	437	335	151	108	93	85
3	95	178	137	238	1550	490	695	308	143	107	90	84
4	94	168	178	235	3860	447	1090	287	141	107	87	83
5	95	159	174	233	2190	451	759	262	262	112	88	82
6	92	155	161	325	1250	499	613	248	218	106	87	82
7	90	155	154	1830	920	672	518	744	173	105	86	82
8	90	147	152	4540	751	2210	456	1500	157	103	86	80
9	90	143	165	1470	645	4100	908	703	149	101	90	79
10	89	137	183	923	560	e1800	539	540	152	100	117	78
11	89	138	222	716	558	e1150	452	438	151	100	97	78
12	90	131	200	591	544	e850	400	364	145	103	93	78
13	90	136	185	509	463	e700	357	311	141	104	94	79
14	95	138	176	424	419	e600	337	275	138	104	232	78
15	97	139	167	742	389	e500	314	252	133	100	241	76
16	92	134	160	1380	408	e450	292	243	128	109	321	75
17	91	129	154	946	1510	e425	1050	232	126	115	170	75
18	89	127	150	721	1270	405	747	216	126	102	132	75
19	89	126	147	729	843	463	3930	204	140	99	119	77
20	88	125	144	610	690	573	3100	195	136	101	111	77
21	90	130	141	519	575	552	1320	183	146	96	105	83
22	89	170	165	631	510	466	942	178	136	94	99	89
23	88	161	168	1080	1370	411	752	173	125	96	96	80
24	100	152	839	875	922	479	631	171	122	97	93	77
25	235	146	1130	696	731	439	533	167	120	97	91	76
26	1850	143	622	585	628	402	464	159	117	97	90	76
27	939	142	524	686	906	373	410	154	116	102	88	78
28	401	140	432	663	720	346	364	152	112	98	87	76
29	259	142	375	560	---	321	335	149	112	95	86	74
30	210	139	352	511	---	298	411	153	110	94	92	74
31	190	---	302	461	---	281	---	152	---	94	91	---
TOTAL	6292	4420	8332	24937	25978	22313	23749	9835	4286	3158	3545	2374
MEAN	203	147	269	804	928	720	792	317	143	102	114	79.1
MAX	1850	201	1130	4540	3860	4100	3930	1500	262	115	321	89
MIN	88	125	134	233	385	281	292	149	110	94	86	74
CFSM	1.06	.77	1.40	4.19	4.83	3.75	4.12	1.65	.74	.53	.60	.41
IN.	1.22	.86	1.61	4.83	5.03	4.32	4.60	1.91	.83	.61	.69	.46

e Estimated

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	154	244	387	590	701	754	517	335	198	191	139	152
MAX	679	1150	1420	1709	2187	1970	1103	1029	738	709	497	1309
(WY)	1990	1949	1968	1947	1990	1980	1979	1984	1989	1989	1984	1950
MIN	59.2	61.2	73.4	106	157	166	129	90.6	71.2	65.0	68.4	63.2
(WY)	1955	1988	1988	1981	1941	1988	1986	1986	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1937 - 1998			
ANNUAL TOTAL	145086				139219							
ANNUAL MEAN	397				381				362			
HIGHEST ANNUAL MEAN									628			
LOWEST ANNUAL MEAN									133			
HIGHEST DAILY MEAN	6650				4540				19600			
LOWEST DAILY MEAN	86				74				a38			
ANNUAL SEVEN-DAY MINIMUM	88				76				54			
INSTANTANEOUS PEAK FLOW					5970				30100			
INSTANTANEOUS PEAK STAGE					14.98				22.63			
INSTANTANEOUS LOW FLOW					74				c38			
ANNUAL RUNOFF (CFSM)	2.07				1.99				1.88			
ANNUAL RUNOFF (INCHES)	28.11				26.97				25.61			
10 PERCENT EXCEEDS	759				791				715			
50 PERCENT EXCEEDS	235				165				180			
90 PERCENT EXCEEDS	92				88				83			

a During period affected by regulation

b Oct 17, 1937 and Nov 9, 1939

c After regulation was discontinued

MOBILE RIVER BASIN

02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA.

LOCATION.--Lat 34°20'08", long 85°26'43", Chattooga County, Hydrologic Unit 03150105, at bridge on Holland-Chattoogaville Road, 0.4 mi downstream from Hinton Creek, and 0.7 mi south of Chattoogaville.

DRAINAGE AREA.--281 mi².

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 07...	0600	81341	138	565	558	7.9	7.9	18.5	15.0	6.7	73
NOV 19...	1310	81341	190	534	522	8.0	7.9	9.0	17.0	10.4	91
DEC 09...	0830	81341	255	466	453	7.7	7.9	7.0	5.0	11.2	95
JAN 15...	0715	81341	610	268	--	7.7	7.7	10.0	6.0	7.3	66
FEB 05...	0725	81341	5480	90	88	6.9	7.2	6.0	1.0	8.8	73
MAR 11...	0700	81341	1710	130	125	7.4	7.2	6.0	-5.0	8.1	66
APR 14...	0600	81341	625	253	248	7.7	7.7	16.0	16.0	7.4	77
MAY 12...	0600	81341	510	250	246	7.6	7.6	16.5	10.5	7.3	77
JUN 18...	0600	81341	185	444	433	7.6	7.7	23.0	19.0	5.6	67
JUL 29...	0600	81341	140	553	542	7.6	7.7	24.5	22.5	4.8	59
SEP 02...	0600	81341	125	624	604	7.2	7.8	24.0	20.0	4.5	55
29...	0600	81341	107	683	667	7.7	7.7	23.0	24.0	4.2	50

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 07...	81341	7.0	1.0	120	163	17	.390	.040	.210	3.0
NOV 19...	81341	3.0	1.5	120	153	<1	.450	.120	.230	4.0
DEC 09...	81341	5.0	2.0	140	124	5	.420	.200	.190	4.0
JAN 15...	81341	9.0	1.5	71	87	20	.400	.140	.080	3.0
FEB 05...	81341	27	1.4	31	32	26	.230	.040	.050	3.0
MAR 11...	81341	15	1.1	53	50	20	.280	.040	.040	2.0
APR 14...	81341	7.0	1.1	98	97	13	.350	.070	.090	2.0
MAY 12...	81341	10	<1.0	84	92	16	.380	.040	.080	2.0
JUN 18...	81341	5.0	<1.0	130	144	15	.520	.090	.340	3.0
JUL 29...	81341	9.0	<1.0	110	148	19	.470	.090	.530	4.0
SEP 02...	81341	9.0	1.6	130	134	17	.360	<.030	.510	4.0
29...	81341	8.0	1.8	120	149	16	.230	<.030	.420	4.0

MOBILE RIVER BASIN

02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	0600	81341	138	565	7.9	18.5	15.0	6.7	73	230
NOV 19...	1310	81341	190	534	8.0	9.0	17.0	10.4	91	50
DEC 01...	0810	81213	200	421	7.8	13.0	12.0	8.1	79	220
09...	0830	81341	255	466	7.7	7.0	5.0	11.2	95	790
15...	0700	81213	275	440	7.8	5.5	-3.0	11.5	93	80
JAN 07...	0800	81213	2090	271	7.5	15.0	18.0	7.7	78	2400
15...	0715	81341	610	268	7.7	10.0	6.0	7.3	66	330
28...	0720	81213	940	207	7.5	9.0	3.0	7.8	69	230
FEB 05...	0725	81341	5480	90	6.9	6.0	1.0	8.8	73	790
APR 27...	0600	81213	580	220	7.5	16.0	14.0	7.6	79	490
MAY 04...	0600	81213	415	300	7.7	14.5	7.0	7.1	72	170
12...	0600	81341	510	250	7.6	16.5	10.5	7.3	77	170
SEP 02...	0600	81341	125	624	7.2	24.0	20.0	4.5	55	110
14...	0600	81213	115	652	7.3	21.0	16.0	6.0	69	90
21...	0600	81213	115	704	7.3	24.0	24.0	4.0	49	60
29...	0600	81341	107	683	7.7	23.0	24.0	4.2	50	130

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAR 03...	1535	81213	610	223	7.8	11.2	14.0	10.1	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
MAR 03...	81213	27	4.5	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAR 03...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.2

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN

02381400 CARTERS LAKE NEAR CARTERS, GA.

LOCATION.--Lat 34°36'50", long 84°40'16", Murray County, Hydrologic Unit 03150102, at forebay of dam on Coosawattee River, 1.3 mi upstream from Talking Rock Creek, 1.3 mi east of Carters, 1.9 mi upstream from Louisville and Nashville Railway bridge, and at mile 26.8.

DRAINAGE AREA.--373 mi².

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

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by rolled rock-filled dam. Emergency spillway (crest elevation, 1,070 ft) is equipped with five tainter gates 42 ft wide by 36.6 ft high. There is one sluice 16.5 ft in diameter. Storage began Nov. 12, 1974. Lake first reached minimum pool, elevation, 1,022 ft, Mar. 17, 1975. Power operation began July 19, 1975. Capacity at primary flood control pool elevation, 1,099 ft, 472,800 acre-ft Capacity at maximum power pool elevation, 1,072 ft, 377,100 acre-ft Dead storage below elevation 1,022 ft, 242,200 acre-ft Lake is used for flood control and power. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 472,400 acre-ft Apr. 8, 1977, elevation, 1,099.16 ft; minimum, after first filling, 326,700 acre-ft Dec. 18, 1987, elevation, 1,055.70 ft

EXTREMES FOR CURRENT YEAR.--Maximum contents, 402,600 acre-ft, Feb. 9, elevation, 1,079.7 ft; minimum, 358,400 acre-ft, Sept. 11, elevation, 1,066.10 ft

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	1071.40	375200	-	-
Oct. 31.....	1073.60	382300	+7100	+115
Nov. 30.....	1072.20	377700	-4600	-77
Dec. 31.....	1071.80	376400	-1300	-21
CAL YR 1997	-	-	+11400	+16
Jan. 31.....	1072.30	378000	+1600	+26
Feb. 28.....	1071.00	373900	-4100	-74
Mar. 31.....	1073.10	380600	+6700	+109
Apr. 30.....	1073.20	381000	+400	+7
May 31.....	1073.00	380300	-700	-11
June 30.....	1070.40	372000	-8300	-139
July 31.....	1070.50	372300	+300	+5
Aug. 31.....	1068.40	365600	-6700	-109
Sept. 30.....	1068.50	365900	+300	+5
WTR YR 1998	-	-	-9300	-13

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02382400 CARTERS RE-REGULATION DAM NEAR CARTERS, GA.

LOCATION.--Lat 34°36'15", long 84°41'29", Murray County, Hydrologic Unit 03150102, at afterbay of main dam, on Coosawattee River, 0.2 mi downstream from Talking Rock Creek, 0.2 mi upstream from Louisville and Nashville Railway bridge, 1.5 mi downstream from main dam and at mile 25.3.

DRAINAGE AREA.--520 mi².

PERIOD OF RECORD.--July 1975 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area. WRD GA-93-1: 1989-91.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway (crest elevation, 662.5 ft) is equipped with four tainter gates 42 ft wide by 36.5 ft high. Capacity at maximum storage pool elevation, 698 ft, 17,600 acre-ft Dead storage, 290 acre-ft The reservoir is used for storage and re-regulation of power releases from Carters main dam. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 18,800 acre-ft, Apr.14, 1977, elevation, 699.36 ft; minimum, 320 acre-ft, June 6, 1983, elevation, 666.98 ft

EXTREMES FOR CURRENT YEAR.--Maximum contents, 15,660 acre-ft, Sept. 11, elevation, 695.99 ft; minimum 2,980 acre-ft, Feb. 1, elevation, 678.55 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	686.92	8470	-	-
Oct. 31.....	692.20	12520	+4050	+66
Nov. 30.....	685.58	7490	-5030	-84
Dec. 31.....	690.74	11370	+3880	+63
CAL YR 1997	-	-	-60	0
Jan. 31.....	680.99	4410	-6960	-113
Feb. 28.....	687.36	8800	+4390	+79
Mar. 31.....	682.68	5530	-3270	-53
Apr. 30.....	690.18	10930	+5400	+91
May 31.....	679.79	3710	-7220	-117
June 30.....	688.49	9620	+5910	+99
July 31.....	690.18	10930	+1310	+21
Aug. 31.....	690.18	10930	0	0
Sept. 30.....	688.86	9890	-1040	-17
WTR YR 1998	-	-	+1420	+2

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02393500 ALLATOONA RESERVOIR NEAR CARTERSVILLE, GA.

LOCATION.--Lat 34°09'46", long 84°43'40", Bartow County, Hydrologic Unit 03150104, at forebay of dam on Etowah River, 2.8 mi upstream from Nashville, Chattanooga, & St. Louis Railway bridge, 4 mi east of Cartersville, and 6 mi upstream from Pumpkinvine Creek.

DRAINAGE AREA.--1,120 mi².

PERIOD OF RECORD.--December 1949 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by concrete gravity dam. Spillway (crest elevation, 835.0 ft) is equipped with nine tainter gates 40 ft wide by 25 ft high. There are four sluices 5.67 ft by 10 ft high and one sluice 4.0 ft in diameter. Storage began Dec. 27, 1949; water in lake first reached minimum pool elevation Feb. 5, 1950. Total capacity at elevation 860.0 ft, top of gates, is 670,000 acre-ft, of which 587,100 acre-ft is controlled storage above 800 ft, minimum pool. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 693,800 acre-ft Apr. 10, 1964, elevation, 861.19 ft; minimum, 119,600 acre-ft Dec. 4, 1954, elevation, 809.34 ft

EXTREMES FOR CURRENT YEAR: Maximum contents, 907,800 acre-ft Oct. 28, elevation, 843.27 ft; minimum, 200,800 acre-ft Dec. 17, elevation, 822.74 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	839.56	362300	-	-
Oct. 31.....	841.22	382200	+19900	+324
Nov. 30.....	827.51	239500	-142700	-2398
Dec. 31.....	825.38	221600	-17900	-291
CAL YR 1997	-	-	+15200	+21
Jan. 31.....	827.18	236600	+15000	+244
Feb. 28.....	833.36	294500	+57900	+1043
Mar. 31.....	838.33	348100	+53600	+872
Apr. 30.....	841.73	388400	+40300	+677
May 31.....	841.84	389800	+1400	+23
June 30.....	840.66	375400	-14400	-242
July 31.....	839.03	356100	-19300	-314
Aug. 31.....	837.43	337900	-18200	-296
Sept. 30.....	832.58	286700	-51200	-860
WTR YR 1998	-	-	-75600	-104

TENNESSEE RIVER BASIN

03544947 BRIER CREEK NEAR HIAWASSEE, GA.

LOCATION.--Lat 34°50'05", long 83°42'34", Towns County, Hydrologic Unit 06020002, on left bank, 0.3 mi upstream from Corbin Creek, and 8.2 mi southeast of Hiawassee.

DRAINAGE AREA.--1.67 mi².

PERIOD OF RECORD.--May 1984 to current year.

REVISED RECORDS.--WDR GA-89-1: Drainage area. WDR GA-90-1: 1984- 89(M).

GAGE.--Water-stage recorder. Datum of gage is 2,141.43 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good to fair, except those greater than 40 ft³/s, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 35 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	1015	49	2.81	Mar. 9	0145	131	3.05
Jan. 7	1900	*990	*4.18	Apr. 17	0145	39	2.55
Feb. 4	0730	123	3.02				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	2.8	2.1	2.9	7.5	8.7	7.7	16	4.2	1.3	1.3	1.0
2	1.3	3.7	2.0	2.7	7.5	8.2	7.2	12	2.9	1.2	1.2	1.0
3	1.2	3.1	2.3	2.8	24	7.6	9.3	11	2.7	1.2	1.2	1.0
4	1.2	2.7	2.6	2.8	80	7.1	12	8.6	4.2	2.6	1.1	1.0
5	1.2	2.3	2.5	3.8	30	6.7	9.6	7.7	4.6	2.1	1.1	.93
6	1.1	2.3	2.3	8.3	18	6.5	8.4	7.0	3.9	1.7	1.2	.92
7	1.1	2.3	2.3	330	14	6.7	7.5	8.6	3.2	1.6	1.1	.91
8	1.1	2.2	2.3	120	12	33	7.3	10	2.8	1.6	1.2	.89
9	1.1	2.1	2.6	26	10	69	8.9	8.7	3.2	1.6	1.9	.84
10	1.1	1.9	3.3	15	9.1	25	7.8	8.8	4.8	1.5	1.5	.82
11	1.1	1.9	3.1	12	8.9	17	7.2	8.4	4.9	1.5	1.3	.82
12	1.0	1.9	3.0	10	8.3	13	6.8	7.5	3.8	1.4	1.3	.79
13	1.1	2.0	2.8	9.1	7.6	11	6.4	6.8	3.3	1.4	1.7	.77
14	1.1	2.1	2.6	8.4	7.1	9.8	6.9	6.2	3.0	1.4	2.0	.76
15	1.1	2.1	2.4	9.5	6.7	9.1	6.4	5.8	2.8	1.4	2.2	.77
16	1.1	2.0	2.3	9.7	18	8.5	6.6	5.5	2.5	1.3	2.3	.78
17	1.1	1.9	2.2	9.0	29	8.2	22	5.2	2.3	1.3	1.7	.77
18	1.1	1.8	2.1	8.3	20	8.6	14	4.8	2.2	1.3	1.5	.77
19	1.2	1.8	2.0	8.0	14	8.9	16	4.5	2.5	1.3	1.4	.79
20	1.1	1.7	2.0	7.2	12	9.8	16	4.3	2.2	1.2	2.4	.77
21	1.1	2.1	2.0	6.8	10	9.5	12	4.0	2.1	1.4	1.5	2.1
22	1.1	2.3	2.5	8.1	9.5	8.7	12	3.9	2.0	1.7	1.4	1.1
23	1.1	2.1	2.2	11	12	8.1	11	3.7	1.9	1.7	1.3	.94
24	2.0	2.1	4.9	9.8	10	7.5	9.9	3.6	1.7	1.6	1.3	.93
25	2.5	2.1	6.2	8.8	9.4	7.0	8.9	3.5	1.6	1.5	1.2	.93
26	23	2.1	4.6	8.1	8.8	6.7	8.1	3.4	1.6	1.4	1.2	.88
27	12	2.1	5.3	9.9	9.8	6.5	7.3	3.2	1.5	1.7	1.1	.87
28	5.3	2.0	4.7	10	9.2	6.3	6.8	3.1	1.4	1.6	1.1	.91
29	3.6	2.0	4.2	9.2	---	6.1	6.4	3.0	1.4	1.4	1.1	4.9
30	2.9	2.2	3.7	8.6	---	5.9	15	3.0	1.3	1.3	1.1	1.5
31	2.4	---	3.3	8.0	---	6.0	---	2.9	---	1.3	1.1	---
TOTAL	79.8	65.7	92.4	703.8	422.4	360.7	291.4	194.7	82.5	46.5	44.0	32.16
MEAN	2.57	2.19	2.98	22.7	15.1	11.6	9.71	6.28	2.75	1.50	1.42	1.07
MAX	23	3.7	6.2	330	80	69	22	16	4.9	2.6	2.4	4.9
MIN	1.0	1.7	2.0	2.7	6.7	5.9	6.4	2.9	1.3	1.2	1.1	.76
CFSM	1.54	1.31	1.78	13.6	9.03	6.97	5.82	3.76	1.65	.90	.85	.64
IN.	1.78	1.46	2.06	15.68	9.41	8.03	6.49	4.34	1.84	1.04	.98	.72

TENNESSEE RIVER BASIN

03544947 BRIER CREEK NEAR HIAWASSEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
MEAN	4.65	4.92	5.70	9.40	8.64	9.92	7.42	5.07	4.19	3.17	4.57	3.03
MAX	15.8	13.4	11.5	27.0	22.9	19.9	11.6	9.28	14.5	9.75	18.6	9.13
(WY)	1996	1993	1997	1996	1990	1990	1991	1991	1989	1989	1994	1996
MIN	.64	2.02	2.44	2.64	2.99	2.92	2.73	2.48	1.44	.87	.82	.87
(WY)	1988	1985	1985	1985	1986	1988	1986	1986	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1984 - 1998			
ANNUAL TOTAL	1942.29				2416.06							
ANNUAL MEAN	5.32				6.62				5.87			
HIGHEST ANNUAL MEAN									9.17			
LOWEST ANNUAL MEAN									2.69			
HIGHEST DAILY MEAN	57				May 3				330			
LOWEST DAILY MEAN	.90				Sep 20				.56			
ANNUAL SEVEN-DAY MINIMUM	.92				Sep 17				.57			
INSTANTANEOUS PEAK FLOW					a990				a990			
INSTANTANEOUS PEAK STAGE					4.18				4.18			
ANNUAL RUNOFF (CFSM)	3.19				3.96				3.52			
ANNUAL RUNOFF (INCHES)	43.27				53.82				47.78			
10 PERCENT EXCEEDS	10				11				10			
50 PERCENT EXCEEDS	3.8				2.8				3.9			
90 PERCENT EXCEEDS	1.1				1.1				1.2			

a From rating curve extended above 40 ft³/s on basis of slope-area measurement of peak flow at gage height 3.57 ft.

TENNESSEE RIVER BASIN

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.

LOCATION.--Lat 34°57'26", long 85°12'20", Catoosa County, Hydrologic Unit 06020001, at bridge on State Highway 146, 3 mi southeast of Lakeview.

DRAINAGE AREA.--148 mi².

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 07...	0430	81341	57	300	295	7.8	7.8	18.0	19.0	8.0	86
NOV 19...	1505	81341	69	324	319	8.0	8.3	8.0	16.5	10.4	89
DEC 09...	0630	81341	100	311	306	7.7	7.9	7.0	4.0	10.6	90
JAN 15...	0530	81341	305	237	232	7.7	7.8	10.0	7.0	8.7	79
FEB 05...	0530	81341	1500	106	103	7.3	7.4	6.0	1.0	9.1	76
MAR 11...	0530	81341	990	172	163	7.5	7.5	8.0	-4.0	8.9	76
APR 14...	0440	81341	190	243	261	7.8	7.9	16.0	16.0	8.2	85
MAY 12...	0430	81341	180	241	232	7.6	7.6	18.0	14.0	7.6	83
JUN 18...	0430	81341	62	281	272	7.6	7.7	23.0	22.0	6.7	80
JUL 29...	0430	81341	50	285	279	7.6	7.7	24.0	22.5	6.2	76
SEP 02...	0430	81341	46	307	296	7.2	7.9	24.0	23.0	6.0	74
29...	0430	81341	40	301	301	7.3	7.7	23.0	24.0	6.3	76

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 07...	81341	4.0	<1.0	140	133	10	.720	<.030	.040	3.0
NOV 19...	81341	3.0	<1.0	160	145	3	.850	<.030	.020	2.0
DEC 09...	81341	6.0	1.3	160	135	5	.660	<.030	.020	2.0
JAN 15...	81341	9.0	<1.0	110	102	12	.860	.130	.040	1.0
FEB 05...	81341	40	1.6	47	45	24	.210	.050	.080	4.0
MAR 11...	81341	23	1.3	78	71	27	.440	.150	.040	2.0
APR 14...	81341	5.0	<1.0	110	113	4	.530	<.030	.020	1.0
MAY 12...	81341	7.0	<1.0	63	100	8	.660	.110	.050	2.0
JUN 18...	81341	4.0	<1.0	130	131	8	.860	.050	.070	1.0
JUL 29...	81341	6.0	<1.0	130	131	9	.420	<.030	.060	3.0
SEP 02...	81341	5.0	<1.0	130	135	10	.680	<.030	.060	3.0
29...	81341	3.0	<1.0	140	136	7	.540	.050	.050	3.0

TENNESSEE RIVER BASIN

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 07...	0430	81341	57	300	7.8	18.0	19.0	8.0	86	790
NOV 19...	1505	81341	69	324	8.0	8.0	16.5	10.4	89	130
DEC 01...	0630	81213	80	304	7.7	11.5	12.0	9.0	86	1100
09...	0630	81341	100	311	7.7	7.0	4.0	10.6	90	490
15...	0530	81213	128	303	7.8	6.0	-2.0	10.7	88	50
JAN 07...	0530	81213	770	256	7.6	13.5	18.0	8.2	81	9200
15...	0530	81341	305	237	7.7	10.0	7.0	8.7	79	390
28...	0530	81213	480	235	7.7	9.0	2.0	8.8	78	80
FEB 05...	0530	81341	1500	106	7.3	6.0	1.0	9.1	76	2300
APR 14...	0440	81341	190	243	7.8	16.0	16.0	8.2	85	130
27...	0430	81213	270	226	7.7	16.0	14.0	8.3	86	330
MAY 04...	0430	81213	157	254	7.7	15.0	12.0	8.1	83	220
12...	0430	81341	180	241	7.6	18.0	14.0	7.6	83	490
SEP 02...	0430	81341	46	307	7.2	24.0	23.0	6.0	74	200
14...	0430	81213	39	305	7.2	22.0	20.0	6.1	72	50
21...	0430	81213	23	308	7.0	24.0	24.0	6.0	73	80
29...	0430	81341	40	301	7.3	23.0	24.0	6.3	76	130

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 25...	1200	81213	500	205	7.1	10.7	24.0	10.4	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
FEB 25...	81213	33	3.9	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	THAL- LIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
FEB 25...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.7

TENNESSEE RIVER BASIN

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.

LOCATION.--Lat 34°53'51", long 85°27'47", Dade County, Hydrologic Unit 06020001, at bridge on county road 2214, 0.4 mi downstream of Squirrel Town Creek, 2.2 mi southeast of New England, and at mile 16.3.

DRAINAGE AREA.--149 mi².

PERIOD OF RECORD.--August 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 663.80 ft above sea level (levels by Tennessee Valley Authority). Aug. 30, 1979 to Oct. 4, 1988, at site 200 ft downstream at same datum.

REMARKS.--Records fair to good. Daily water-temperature data for November 1980 to September 1984 published in reports of U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 7	1300	3,670	13.33	Apr. 19	1300	4,440	13.94
Feb. 4	0700	*4,490	*13.98				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	76	61	141	221	495	618	250	56	39	27	16
2	32	80	56	126	195	440	499	212	60	38	27	16
3	30	67	58	118	2020	396	873	187	51	33	22	17
4	29	57	81	112	4040	352	1130	168	53	34	20	18
5	28	50	74	114	1660	344	791	149	272	42	18	18
6	27	51	58	211	970	363	635	134	248	36	18	21
7	27	58	50	2370	764	741	527	272	109	31	16	23
8	26	55	47	3360	631	1310	450	728	77	32	16	24
9	26	52	66	1270	552	1740	413	408	68	31	16	22
10	25	47	113	796	484	1020	349	312	86	28	17	19
11	25	44	142	582	476	768	306	259	80	26	17	22
12	24	41	124	460	436	625	269	214	66	25	16	25
13	24	43	114	364	363	533	239	180	68	25	17	25
14	27	46	102	309	314	466	220	153	67	25	28	26
15	28	45	93	550	273	409	204	132	63	24	30	26
16	27	43	77	920	552	365	193	117	56	81	44	26
17	26	40	79	688	2130	326	475	108	52	66	30	27
18	26	39	70	524	1560	542	581	95	49	43	24	28
19	25	37	63	566	920	715	3950	86	59	35	21	28
20	24	38	56	477	728	958	1990	78	111	39	18	28
21	25	47	53	403	592	768	987	72	156	35	18	38
22	26	74	65	417	513	608	753	71	72	32	17	30
23	26	84	64	616	771	513	605	66	61	39	19	26
24	38	70	353	578	628	563	497	63	55	44	16	22
25	75	63	498	462	534	511	418	61	51	33	15	20
26	1140	59	298	385	482	445	367	58	47	27	14	19
27	605	59	254	388	713	410	323	56	44	35	14	18
28	209	60	224	384	568	378	285	53	41	34	14	17
29	131	62	198	329	---	341	249	51	40	34	13	17
30	94	63	188	291	---	307	243	53	39	27	13	17
31	76	---	167	253	---	284	---	53	---	30	14	---
TOTAL	2985	1650	3946	18564	24090	18036	19439	4899	2357	1103	609	679
MEAN	96.3	55.0	127	599	860	582	648	158	78.6	35.6	19.6	22.6
MAX	1140	84	498	3360	4040	1740	3950	728	272	81	44	38
MIN	24	37	47	112	195	284	193	51	39	24	13	16
CFSM	.65	.37	.85	4.02	5.77	3.90	4.35	1.06	.53	.24	.13	.15
IN.	.75	.41	.99	4.63	6.01	4.50	4.85	1.22	.59	.28	.15	.17

TENNESSEE RIVER BASIN

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	110	192	324	475	589	600	371	219	109	72.8	78.5	80.6
MAX	704	627	992	1061	1591	1755	652	751	468	361	465	311
(WY)	1996	1980	1983	1996	1990	1980	1983	1984	1989	1989	1982	1979
MIN	15.8	20.3	36.1	44.5	107	79.2	77.3	54.4	19.6	14.4	19.6	18.7
(WY)	1988	1988	1988	1981	1988	1988	1986	1988	1988	1988	1998	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR				FOR 1998 WATER YEAR				WATER YEARS 1979 - 1998			
ANNUAL TOTAL	107149				98357							
ANNUAL MEAN	294				269				266			
HIGHEST ANNUAL MEAN									424			
LOWEST ANNUAL MEAN									81.0			
HIGHEST DAILY MEAN	5240				4040				11900			
LOWEST DAILY MEAN	22				13				11			
ANNUAL SEVEN-DAY MINIMUM	23				14				12			
INSTANTANEOUS PEAK FLOW					4490				20000			
INSTANTANEOUS PEAK STAGE					13.98				20.73			
ANNUAL RUNOFF (CFSM)	1.97				1.81				1.79			
ANNUAL RUNOFF (INCHES)	26.75				24.56				24.26			
10 PERCENT EXCEEDS	663				629				601			
50 PERCENT EXCEEDS	138				70				97			
90 PERCENT EXCEEDS	26				22				24			

LAKES IN TENNESSEE RIVER BASIN

03553000 NOTTELY LAKE NEAR IVYLOG, GA.

LOCATION.--Lat 34°57'29", long 84°05'22", Union County, Hydrologic Unit 06020002, at dam on Nottely River, 1.3 mi upstream from Dooley Creek, 1.7 mi southwest of Ivylog, 2.5 mi upstream from Georgia- North Carolina State line, and at mile 21.0.

DRAINAGE AREA.--214 mi².

PERIOD OF RECORD.--January 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level.

REMARKS.--Lake is formed by rock and rolled earthfill dam with side channel spillway equipped with flashboards. Storage began Jan. 24, 1942; water in lake first reached minimum pool elevation Jan. 26, 1942. Total capacity at elevation 1,780.00 ft, top of flashboards, is 87,900 ft³/s-days, of which 59,100 ft³/s-days is controlled storage above elevation 1,735.00 ft, normal minimum pool. Lake is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 94,100 ft³/s-days Apr. 20, 1943, elevation, 1,780.50 ft; maximum elevation, 1,781.47 ft May 28, 1973; minimum (after first filling), 200 ft³/s-days Oct. 6, 1947, elevation, 1638.6 ft

EXTREMES FOR CURRENT YEAR:--Maximum contents, 83,850 ft³/s-days June 8, elevation, 1,778.09 ft; minimum, 34,470 ft³/s-days Dec. 19, elevation, 1,741.77 ft

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (equivalent in cubic feet per second)	
			(cfs-days)	
Sept. 30.....	1756.36	49590	-	-
Oct. 31.....	1749.09	41500	-8090	-261
Nov. 30.....	1743.95	36460	-5040	-168
Dec. 31.....	1743.25	35810	-650	-21
CAL YR 1997		-	-4700	-13
Jan. 31.....	1748.84	41250	+5440	+175
Feb. 28.....	1754.06	46890	+5640	+201
Mar. 31.....	1761.98	56790	+9900	+319
Apr. 30.....	1772.34	72940	+16150	+538
May 31.....	1775.98	79660	+6720	+217
June 30.....	1775.39	78530	-1130	-38
July 31.....	1770.29	69400	-9130	-294
Aug. 31.....	1762.84	57980	-11420	-368
Sept. 30.....	1755.23	48250	-9730	-324
WTR YR 1998	-	-	-1340	-4

LAKES IN TENNESSEE RIVER BASIN--Continued

03558500 BLUE RIDGE LAKE NEAR BLUE RIDGE, GA.

LOCATION.--Lat 34°52'52", long 84°16'49", Fannin County, Hydrologic Unit 06020003, 400 ft upstream from Blue Ridge Dam on Toccoa River, 2.5 mi northeast of Blue Ridge, and at mile 53.0.

DRAINAGE AREA.--232 mi².

PERIOD OF RECORD.--December 1930 to current year (prior to Aug. 16, 1939, only midnight readings available).

AGE.--Water-stage recorder. Datum of gage is at Tennessee Electric Power Company datum; to convert to sea level, subtract 0.18 ft from elevations given herein.

REMARKS.--Lake is formed by earth dam. Spillway equipped with five tainter gates 15 ft high by 22 ft wide. Dam completed and storage began Dec. 6, 1930. Total capacity at elevation 1,691.00 ft, top of gates, is 98,800 ft³/s-days, of which 92,800 ft³/s-days is controlled storage above 1,590.00 ft, normal minimum pool. Lake is used for power and recreation. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents recorded, 102,100 ft³/s-days Feb. 11, 1946, elevation, 1,691.54 ft; minimum (after first filling), 6,500 ft³/s-days Jan. 16, 1956, elevation, 1,587.75 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 95,540 ft³/s-days, April 20, elevation, 1,689.07 ft; minimum, 43,840 ft³/s-days, Dec. 21, elevation, 1,650.28 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

Date	Elevation (feet)	Contents (cfs-days)	Change in contents	
			(cfs-days)	(equivalent in cubic feet per second)
Sept. 30.....	1669.77	66540	-	-
Oct. 31.....	1667.22	63190	-3350	-108
Nov. 30.....	1653.43	47110	-16080	-536
Dec. 31.....	1652.23	45850	-1260	-41
CAL YR 1997	-	-	-12660	-35
Jan. 31.....	1664.16	59320	+13470	+434
Feb. 28.....	1678.11	78330	+19010	+679
Mar. 31.....	1682.30	84690	+6360	+205
Apr. 30.....	1685.37	89530	+4840	+161
May 31.....	1686.60	91500	+1970	+64
June 30.....	1685.99	90520	-980	-33
July 31.....	1682.63	85210	-5310	-171
Aug. 31.....	1673.90	72230	-12980	-419
Sept. 30.....	1654.10	47820	-24410	-814
WTR YR 1998	-	-	-18720	-51

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the U.S. Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, peak discharge information is gathered and discharge measurements are often made at sites not included in the partial-record program. This information is usually collected in times of drought or flood to give better areal coverage to those events.

Records collected at crest-stage partial-record stations are presented in the following table. Peak discharges at miscellaneous sites and discharge measurements made at low-flow partial-record sites, miscellaneous sites, and for special studies are given in separate tables as appropriate.

Crest-stage partial-record stations

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

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1998 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
SAVANNAH RIVER BASIN								
Buffalo Creek near Lexington, Ga. (02191930)	Lat 33°46'40", long 83°03'01", Oglethorpe County, Hydrologic Unit 03060104, at culvert on State Highway 22, 7 miles southeast of Lexington. Drainage area is 5.60 mi ² . Elevation of gage is 520 ft above sea level (from topographic map).	1964-98	12-24-97	5.31	463	04-26-82	9.47	1,650
Kiokee Creek at Appling, Ga. (02195150)	Lat 33°32'33", long 82°18'56", Columbia County, Hydrologic Unit 03060106, at U.S. Highway 221, at Appling. Drainage area is 43.9 mi ² . Elevation of gage is 225 ft above sea level (from topographic map).	1984-98	03-08-98	12.48	3,840	10-12-90	15.53	11,500
McBean Creek near McBean, Ga. (02197190)	Lat 33°14'12", long 82°02'38", Richmond-Burke County line, Hydrologic Unit 03060106, at State Highway 21, 5.5 miles west of McBean. Drainage area is 41.4 mi ² . Elevation of gage is 170 ft above sea level (from topographic map).	1963-98	09-03-98	5.04	586	10-12-90	7.52	3,160
OGEECHEE RIVER BASIN								
Ogeechee River at Jewell, Ga. (02200000)	Lat 33°17'48", long 82°46'40", Hancock-Warren County line, Hydrologic Unit 03060201, at State Highway 16, at Jewell. Drainage area is 242 mi ² . Datum of gage is 331.28 ft above sea level.	1888, 1928-29, 1944, 1961, 1971, 1984-98	12-24-97	18.19	5,640	12-**-1888	34.12	27,000
Rocky Comfort Creek near Grange, Ga. (02200400)	Lat 33°06'09", long 82°34'02", Jefferson County, Hydrologic Unit 03060201, at State Highway 88, 1.5 miles northeast of Grange. Drainage area is 188 mi ² . Datum of gage is 250.10 ft above sea level.	1979-98	03-10-98	16.00	5,250	03-10-98	16.00	5,250

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1998 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
OGEECHEE RIVER BASIN—Continued								
Spring Creek (prior to 1987, published as Ogeechee River tributary) near Louisville, Ga. (02200930)	Lat 32°55'20", long 82°18'49", Jefferson County, Hydrologic Unit 03060201, at culvert on) State Highway 17, 8.5 miles southeast of Louisville. Drainage area is 14.2 mi ² . Elevation of area is 14.2 mi ² . 210 ft above sea level (from topographic map).	1965-98	03-09-98	8.04	1,430	10-12-90	10.38	2,200
Ogeechee River at Scarboro, Ga. (02202000)	Lat 32°42'38", long 81°52'46", Jenkins County Hydrologic Unit 03060202, at abandoned highway bridge at Scarboro, 1936-71††, 7.5 mi southeast of Millen. Drainage area is 1,940 mi ² . Datum of gage is 111.81 ft above sea level.	1925, 1928-30, 1936-71††, 1972-98	03-11-98	12.48	28,200	10-**-29	17.00	75,000
ALTAMAHA RIVER BASIN								
Camp Creek tributary near Stockbridge, Ga. (02204135)	Lat 33°34'35", long 84°08'50", Henry County, Hydrologic Unit 03070103, at culvert on State Highway 155, 5 miles northeast of Stockbridge. Drainage area is 0.28 mi ² . Elevation of gage is 790 ft above sea level (from topographic map).	1977-98	10-27-97	5.59	63	07-05-94	9.02	190
Wildcat Creek near Lawrenceville, Ga. (02205000)	Lat 34°00'00', long 84°00'20", Gwinnett County, Hydrologic Unit 03070103, at culvert on Russell Road 3.3 miles north of Lawrenceville. Drainage area is 1.59 mi ² . Elevation of gage is 970 ft above sea level (from topographic map).	1954-82 ††(d) 1983-84(d) 1996-98	08-20-98	5.39	708	05-06-56	8.20	806
Wolf Creek near Suwanee, Ga. (02205230)	Lat 34°00'04", long 84°02'57", Gwinnett County, Hydrologic Unit 03070103, at at culvert on Dean Road, 3.8 miles south of Suwanee. Drainage area is 0.39 mi ² . Elevation of gage is 1000 ft above sea level (from topographic map).	1987-98	05-08-98	7.16	162	10-05-95	8.47	220
Pew Creek near Lawrenceville, Ga. (02205500)	Lat 33°56'05", long 84°01'00", Gwinnett County, Hydrologic Unit 03070103, at at culvert on Johnson Road, 2.2 miles southwest of Lawrenceville. Drainage area is 2.23 mi ² . Elevation of gage is 930 ft above sea level (by barometer).	1954-63(d) 1995-98	04-09-98	6.57	694	10-05-95	13.39	nd

‡‡ Operated as a continuous-record gaging station.

** Day unknown.

nd Not determined.

g Maximum gage heights computed from graph based on gage readings.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1998 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
ALTAMAHA RIVER BASIN--Continued								
Yellow River tributary near Lawrenceville, Ga. (02205596)	Lat 33°54'45", long 84°02'45", Gwinnett County, Hydrologic Unit 03070103, at culvert on Plantation Road, 4.5 miles southwest of Lawrenceville. Drainage area is 7.23 mi ² . Elevation of gage is 850 ft above sea level (from topographic map).	1994-98	04-09-98	10.11	nd	04-09-98	10.11	nd
Jackson Creek near Lilburn, Ga. (02206105)	Lat 33°53'12", long 84°12'42", Gwinnett County, Hydrologic Unit 03070103, at culvert on Angel's Lane 4.2 miles west of Lilburn. Drainage area is 0.18 mi ² . Eleva- tion of gage is 990 ft above sea level (from topographic map).	1987-98	11-22-97	4.20	117	09-07-87	6.71	144
Jackson Creek tributary No. 1 near Lilburn, Ga. (02206136)	Lat 33°53'19", long 84°10'59", Gwinnett County, Hydrologic Unit 03070103, at culvert on Williams Road, 2.6 miles west of Lilburn. Drainage area is 0.33mi ² . Elevation of gage is 920 ft above sea level (from topographic map).	1987-98	11-22-97	nd	nd	08-22-90	8.14	188
Jackson Creek tributary No. 2 near Lilburn, Ga. (02206165)	Lat 33°54'09", long 84°10'10", Gwinnett County, Hydrologic Unit 03070103, at culvert on Worcester Place, 1.9 miles northwest of Lilburn. Drainage area is 0.10mi ² . Elevation of gage is 850 ft above sea level (from topographic map).	1987-98	11-22-97	9.45	82	09-14-95	11.51	101
Watson Creek tributary No. 2 at Snellville, Ga. (02206465)	Lat 33°51'46", long 84°02'07", Gwinnett County, Hydrologic Unit 03070103, at culvert on Tanglewood Drive 0.9 miles west-northwest of Snellville. Drainage area is 0.20 mi ² . Elevation of gage is 970 ft above sea level (from topographic map).	1987-98	04-09-98	6.33	65	07-16-89	8.37	168
Garner Creek near Snellville, Ga. (02207000)	Lat 33°51'45", long 84°05'50", Gwinnett County, Hydrologic Unit 03070103, at culvert on Five Forks Trickum Road, 4.4 miles west of Snellville. Drainage area is 5.54 mi ² . Elevation of gage is 830 ft above sea level (from topographic map).	1954-63(d) 1995-98	11-22-97	7.68	1,240	02-25-61	4.30	1,630
Big Haynes Creek near Snellville, Ga. (02207382)	Lat 33°49'38", long 83°59'04", Gwinnett County, Hydrologic Unit 03070103, at culvert on Pate Road, 2.9 miles southeast of Snellville. Drainage area is 14.9 mi ² . Elevation of gage is 863 ft above sea level (from topographic map).	1994-98	03-08-98	8.25	1,920	01-27-96	8.75	2,520

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1998 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
ALTAMAHA RIVER BASIN--Continued								
Brushy Fork Creek near Loganville, Ga. (02207400)	Lat 33°49'16", long 83°56'32", Gwinnett County, Hydrologic Unit 03070103, at culvert on Beaver Road, 2.6 miles southwest of Loganville. Drainage area is 8.03 mi ² . Elevation of gage is 880 ft above sea level (from topographic map).	1994-98	03-08-98	8.34	782	10-05-95	8.62	888
Yellow River near Covington, Ga. (02207500)	Lat 33°56'52", long 83°54'54", Newton County, Hydrologic Unit 03070103, at U.S. Highway 278, 3.5 miles northwest of Covington. Drainage area is 378 mi ² . Datum of gage is 616.99 ft above sea level.	1936, 1945-65, 1976-82 1983-98	03-09-98	18.67	10,300	04-07-36	29.90	30,000
Alcovy River near Lawrenceville, Ga. (02208050)	Lat 33°53'40", long 83°56'23", Gwinnett County, Hydrologic Unit 03070103, at bridge on U.S. Highway 29, 3.2 miles northeast of Lawrenceville. Drainage area is 9.95 mi ² . Elevation of gage is 920 ft above sea level (from topographic map).	1964-74 1995-98	04-09-98	4.54	1,240	04-18-69	4.92	1,620
Cedar Creek near Dacula, Ga. (02208177)	Lat 33°54'49", long 83°50'45", Gwinnett County, Hydrologic Unit 03070103, at culvert on Indian Shoals Road, 6.0 miles southeast of Dacula. Drainage area is 3.10 mi ² . Elevation of gage is 840 ft above sea level (from topographic map).	1994-98	03-08-98	3.94	376	10-05-95	7.42	691
Bay Creek near Loganville, Ga. (02208192)	Lat 33°52'54", long 83°52'54", Gwinnett County, Hydrologic Unit 03070103, at culvert on Shannon Road, 3.0 miles northeast of Loganville. Drainage area is 6.84 mi ² . Elevation of gage is 780 ft above sea level (from topographic map).	1995-98	03-08-98	8.34	680	10-05-95	9.07	962
Savage Creek near Bullard, Ga. (02214280)	Lat 32°35'34", long 83°28'11", Twiggs County, Hydrologic Unit 03070104, at U.S. Highway 23, 3 miles southeast of Bullard. Drainage area is 33.0 mi ² . Elevation of gage is 264 ft above sea level (from topographic map).	1979-98	03-09-98	10.50	1,600	03-13-80	11.49	2,700
Mossy Creek near Perry, Ga. (02214820)	Lat 32°31'15", long 83°43'23", Houston County, Hydrologic Unit 03070104, at U.S. Highway 41, 4.5 miles north of Perry. Drainage area is 92.9 mi ² . Elevation of gage is 300 ft above sea level (from topographic map).	1979-98	03-09-98	8.89	1,250	07-06-94	19.86	24,000

d At different datum.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1998 maximum		Period of record maximum		
				Gage height (feet)	Dis-charge (ft ³ /s)	Date	Gage height (feet)	Dis-charge (ft ³ /s)
ALTAMAHA RIVER BASIN--Continued								
Folsom Creek tributary near Rochelle, Ga. (02215245)	Lat 32°00'15", long 83°25'58", Wilcox County, Hydrologic Unit 03070104, at culvert on State Highway 233, 4 miles north of Rochelle. Drainage area is 1.44 mi ² . Elevation of gage is 260 ft above sea level (from topographic map).	1964-98	12-15-97	5.42	309	08-11-70	7.16	434
Gum Swamp Creek near Chauncey, Ga. (02215800)	Lat 32°07'28", long 88°03'37", Dodge County, Hydrologic Unit 03070105, at bridge on State Highway 165, 0.6 miles north of Chauncey. Drainage area is 221 mi ² . Elevation of gage is 182 ft above sea level (from topographic map).	1984-98	03-09-98	9.73	5,810	03-06-91	9.91	4,940
Wheeler Creek near Auburn, Ga. (02217274)	Lat 34°04'56", long 83°51'17", Gwinnett County, Hydrologic Unit 03070101, at culvert on Bill Cheek Road, 5.0 miles northwest of Auburn. Drainage area is 1.32.mi. Elevation of gage is 885 feet above sea level (from topographic map).	1998	02-04-98	3.46	244	06-25-97	4.23	367
Mulberry River near Winder, Ga. (02217380)	Lat 34°03'08", long 83°39'49", Barrow-Jackson County line, Hydrologic Unit 03070101, at State Highway 11, 4.5 miles northeast of Winder. Drainage area is 142 mi ² . Elevation of gage is 675 ft above sea level (from topographic map).	1976, 1984-98	02-04-98	12.73	6,800	02-04-98	112.73	6,800
Mulberry River tributary near Winder, Ga. (02217400)	Lat 34°03'53", long 83°39'45", Jackson County, Hydrologic Unit 03070101, at culvert on State Highway 11, 6 mi north-east of Winder. Drainage area is 2.68 mi ² . Elevation of age is 740 ft above sea level (from topographic map).	1965-98	04-09-98	4.01	669	02-10-90	7.31	1,690
Apalachee River near Dacula, Ga. (02218565)	Lat 34°00'37", long 83°53'39", Gwinnett County, Hydrologic Unit 03070103, at culvert on Fence Road, 1.5 mi north of Dacula. Drainage area is 5.67 mi. Elevation of gage is 935 ft above sea level (from topographic map)	1994-98	03-08-98	5.27	631	10-05-95	6.21	812
SATILLA RIVER BASIN								
Crooked Creek tributary near Bristol, Ga. (02227422)	Lat 31°26'24", long 82°15'03", Pierce County, Hydrologic Unit 03070202, on County Road 1903, 2 miles west of Bristol. Drainage area is 0.42 mi ² . Elevation of gage is 155 ft above sea level (from topographic map).	1976-98	12-15-97	1.97	39	06-25-91	2.72	74

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1998 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
SATILLA RIVER BASIN—Continued								
Satilla River tributary No. 2 at Atkinson, Ga. (02227990)	Lat 31°13'32", long 81°51'10", Brantley County, Hydrologic Unit 03070201, on County Road 153, 0.3 mile north of Atkinson. Drainage area is 0.38 mi ² . Datum of gage is 47.74 ft above sea level.	1977-98	02-17-98	2.46	76	08-02-78	2.63	93
Buffalo Creek near Linton, Ga. (02223082)	Lat 33°06'27", long 82°57'34", Hancock-Washington County line, Hydrologic Unit 03070102, at Hancock County Road 787, 2 miles southeast of Linton. Drainage area is 92.9 mi ² . Elevation of gage is 278 ft above sea level (from topographic map).	1961, 1984-98	03-09-98	16.85	3,540	02-25-61	20.00	5,400
Big Sandy Creek tributary near Irwinton, Ga. (02223349)	Lat 32°48'11", long 83°13'37", Wilkinson County, Hydrologic Unit 03070102, at culvert on White Springs Road, 1.7 miles southwest of Irwinton. Drainage area is 0.50 mi ² . Elevation of gage is 285 ft above sea level (from topographic map).	1977-98	03-08-98	2.57	45	03-03-91	3.16	71
Turkey Creek near Dublin, Ga. (02224100)	Lat 32°27'21", long 82°56'32", Laurens County, Hydrologic Unit 03070102, at U.S. Highways 319 and 441, 5 miles south of Dublin. Drainage area is 316 mi ² . Datum of gage is 190.90 ft above sea level.	1929, 1984-98	03-09-98	16.68	10,400	03-19-29	20.90	19,000
Little Ohoopsee River near Swainsboro, Ga. (02225250)	Lat 32°33'44", long 82°28'03", Emanuel County, Hydrologic Unit 03070107, at U.S. Highway 80, 9 miles west of Swainsboro. Drainage area is 216 mi ² . Datum of gage is 184.12 ft above sea level.	1925, 1929, 1970, 1972, 1980-98	03-09-98	10.22	7,240	10-13-90	13.40	15,800
Beaver Creek near Cobbtown, Ga (02225330)	Lat 32°16'52", long 82°11'27", Tattnall County, Hydrologic Unit 03070107, at culvert on State Highway 152, 3.2 miles west of Cobbtown. Drainage area is 9.58 mi ² . Elevation of gage is 150 ft above sea level (from topographic map).	1965-98	03-09-98	6.48	1,050	08-24-91	8.04	2,030
SUWANNEE RIVER BASIN								
Little River near Statenville, Ga. (02317600)	Lat 30°42'13", long 83°07'18", Echols County, Hydrologic Unit 03110202, at State Highway 376, 5 miles west of Statenville. Drainage area is 199 mi ² . Elevation of gage is 85 ft above sea level (from topographic map).	1948, 1984-98	02-23-98	13.04	3,170	03-28-84	17.36	11,000

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year	1998 maximum	Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
SUWANNEE RIVER BASIN—Continued								
Arnold Creek tributary (prior to 1987, published as Little River tributary No. 2) near Tifton, Ga. (02317810)	Lat 31°25'30", long 83°34'23", Tift County, Hydrologic Unit 03110204, at culvert on secondary road 546, 4 miles southwest of Tifton. Drainage area is 0.47 mi ² . Elevation of gage is 310 ft above sea level (from topographic map).	1965-98	004-03-98	4.22	148	10-03-94	5.46	219
OCHLOCKONEE RIVER BASIN								
Ochlockonee River tributary near Coolidge, Ga. (02327350)	Lat 31°01'33", long 83°57'32", Thomas County, Hydrologic Unit 03120002, at culvert on State Highway 202, 5.5 miles west of Coolidge. Drainage area is 1.81 mi ² . Elevation of gage is 200 ft above sea level (from topographic map).	1964-98	03-09-98	2.85	265	12-04-64	6.14	789
Ochlockonee River near Coolidge, Ga. (02327355)	Lat 31°00'08", long 83°56'21", Thomas County, Hydrologic Unit 03120002, at State Highway 188, 4 miles west of Coolidge. Drainage area is 260 mi ² . Datum of gage is 166.86 ft above sea level.	1981-98	03-09-98	17.44	12,800	03-07-84	17.28	13,100
Little Ochlockonee River near Moultrie, Ga. (02327415)	Lat 31°07'02", long 83°58'42", Colquitt County, Hydrologic Unit 03120002, at State Highway 111, 10 miles west of Moultrie. Drainage area is 44.8 mi ² . Datum of gage is 218.65 ft above sea level.	1981-98	03-09-98	10.29	6,060	03-09-98	10.29	6,660
Popple Branch near Whigham, Ga. (02327860)	Lat 30°55'36", long 84°15'18", Grady County, Hydrologic Unit 03120002, at culvert on State Highway 179, 3.2 miles north of Whigham. Drainage area is 1.71 mi ² . Elevation of gage is 245 ft above sea level (from topographic map).	1977-98	03-09-98	3.61	218	02-11-86	6.92	609
APALACHICOLA RIVER BASIN								
Chattahoochee River near Leaf, Ga. (02331000)	Lat 34°34'37", long 83°38'09", Habersham County, Hydrologic Unit 03130001, at State High- way 115, 1.5 east of Leaf. Drainage area is 150 mi ² . Elevation of gage is 1219.47 ft above sea level (from topographic map).	1940-71††, 1972-98	102-04-98	9.61	7,840	05-28-73	17.50	22,500
Richland Creek near Buford, Ga. (02334480)	Lat 34°07'57", long 84°04'12", Gwinnett County, Hydrologic Unit 03130001, at culvert on Suwanee Dam Road near Buford. Drainage area is 9.35 mi ² . Elevation of gage is 935 ft above sea level (from topographic map).	1995 1996††, 1998	04-09-98	8.20	1,610	10-05-95	9.70	1,930

†† Operated as a continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1998 maximum		Period of record maximum		Date	Gage height (feet)	Dis-charge (ft ³ /s)
				Gage height (feet)	Dis-charge (ft ³ /s)	Gage height (feet)	Dis-charge (ft ³ /s)			
APALACHICOLA RIVER BASIN--Continued										
Level Creek near Suwanee, Ga. (02334580)	Lat 34°05'03", long 84°05'39", Gwinnett County, Hydrologic Unit 03130001, at culvert on Settles Bridge Road near Suwanee. Drainage area is 8.33 mi ² . Elevation of gage is 955 ft above sea level (from topographic map).	1995-98	04-09-98	9.17	1,170	04-09-98	9.17	1,170		
Mill Creek near Suwanee, Ga. (02334880)	Lat 34°01'41", long 84°04'13", Gwinnett County, Hydrologic Unit 03130001, at culvert on Wildwood Road near Suwanee. Drainage area is 1.86 mi ² . Elevation of gage is 935 ft above sea level (from topographic map).	1995-98	05-08-98	56.71	528	10-05-95	6.82	545		
Crooked Creek tributary No. 2 near Norcross, Ga. (02335347)	Lat 33°57'24", long 84°14'43", Gwinnett County, Hydrologic Unit 03130001, at culvert on Holcomb Bridge Road near Norcross. Drainage area is 0.19 mi ² . Elevation of gage is 930 ft above sea level (from topographic map).	1987-98	05-30-98	5.90	254	10-05-95	5.98	260		
Hurricane Creek tributary near Fairplay, Ga. (02337448)	Lat 33°35'03", long 84°50'54", Douglas County, Hydrologic Unit 03130002, at culvert on State Highway 5, 8 miles east of Fairplay. Drainage area is 0.33 mi ² . Elevation of gage is 930 ft above sea level (from topographic map).	1977-98	03-09-98	6.34	116	11-05-77	9.46	292		
Flat Shoal Creek near West Point, Ga. (02340250)	Lat 32°52'53" a, long 85°04'41", Troup County, Hydrologic Unit 03130002, at Stae Highway 18, 5 miles east of Interstate 1971,1981, Highway 85, near West Point. Drainage area is 204 mi ² . Datum of gage is 566.00 ft above sea level.	1948-49, 1961,1969, 1984-98	03-09-98	20.23	6,500	03-08-96	22.95	8,170		
Mulberry Creek near Mulberry Grove, Ga. (02341220)	Lat 32°42'11", long 84°57'29", Harris County, Hydrologic Unit 03130002, at county bridge on Hamilton-Mulberry Grove Road, near Mulberry Grove. Drainage area is 190 mi ² . Datum of gage is 490.00 ft above sea level.	1984-98	03-09-98	23.12	8,650	03-17-90	27.74	21,000		
Juniper Creek near Geneva, Ga. (02341600)	Lat 32°31'41", long 84°34'14", Talbot-Marion County line, Hydrologic Unit 03130003, at State Highway 41, 1.8 miles south of Geneva. Drainage area is 47.4 mi ² . Elevation of gage is 373 ft above sea level (from topographic map).	1963-98	03-09-98	8.05	1,270	03-17-90	11.78	4,300		
Pine Knot Creek near Juniper, Ga. (02341723)	Lat 32°26'14", long 84°39'25", Marion County, Hydrologic Unit 03130003, at State Highway 355, 8 miles south of Juniper. Drainage area is 31.3 mi ² . Elevation of gage is 330 ft above sea level (from topographic map).	1979-98	03-09-98	6.65	515	03-17-90	9.43	1,960		

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Water year 1998 maximum			Period of record maximum		
			Date	Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
APALACHICOLA RIVER BASIN--Continued								
Ochillee Creek near Cusseta, Ga. (02341900)	Lat 32°21'53", long 84°49'02", Chattahoochee County, Hydrologic Unit 03130003, at Hourglass Road, 5 miles northwest of Cusseta. Drainage area is 53.3 mi ² . Datum of gage is 281.53 ft above sea level.	1979-98	03-09-98	11.87	1,770	03-17-90	16.00	11,000
Bluff Springs Branch near Lumpkin, Ga. (02343219)	Lat 32°01'53", long 84°53'18", Stewart County, Hydrologic Unit 03130003, at culvert on State Highway 27, 5.8 miles southwest of Lumpkin. Drainage area is 2.98 mi ² . Elevation of gage is 390 ft above sea level (from topographic map).	1977-98	03-09-98	3.27	312	03-17-90	4.70	568
Cemochechobee Creek near Coleman, Ga. (02343244)	Lat 31°39'12", long 84°53'02", Randolph County, Hydrologic Unit 03130004, at County Road bridge 1576, 1.5 miles south of Coleman. Drainage area is 15.3 mi ² . Elevation of gage is 254.67 ft above sea level (from topographic map).	1984-98	01-08-98	5.60	425	07-04-94	11.84	5,160
Temple Creek near Blakely, Ga. (02343267)	Lat 31°26'34", long 84°59'00", Early County, Hydrologic Unit 03130004, at culvert on State Highway 39, 5.2 miles north of Blakely. Drainage area is 2.78 mi ² . Elevation of gage is 290 ft above sea level (from topographic map).	1978-98	03-09-98	3.66	237	07-06-94	6.13	746
Lazar Creek near Talbotton, Ga. (02346195)	Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at State Highway 41, 5 miles north of Talbotton. Drainage area is 81.3 mi ² . Elevation of gage is 499 ft above sea level (from topographic map).	1981, 1984-98	03-09-98	17.39	8,980	03-17-90	24.10	36,100
Coleoatchee Creek (formerly published as Celeoth Creek) near Manchester, Ga. (02346217)	Lat 32°49'20", long 84°36'16", Talbot County, Hydrologic Unit 03130005, at culvert on County Road 39, 1.2 miles southeast of Manchester. Drainage area is 2.82 mi ² . Elevation of gage is 779 ft above sea level (from topographic map).	1969-86, 1988-98	03-09-98	3.21	558	03-16-90	8.31	1,750
Whitewater Creek near Butler, Ga. (02348485)	Lat 32°30'14", long 84°20'03", Taylor County, Hydrologic Unit 03130005, at State Highway 137, 6.5 miles southwest of Butler. Drainage area is 17.3 mi ² . Elevation of gage is 403 ft above sea level (from topographic map).	1979-98	03-09-98	7.87	182	07-05-94	10.79	518

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Water year 1998 maximum			Period of record maximum		
			Date	Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
APALACHICOLA RIVER BASIN--Continued								
Cedar Creek near Rupert, Ga. (02349030)	Lat 32°23'21", long 84°17'49", Taylor County, Hydrologic Unit 03130005, at U.S. Highway 19, 3 miles south of Rupert. Drainage area is 41.1 mi ² . Elevation of gage is 390 ft above sea level (from topographic map).	1979-98	0-09-98	3.860	370	07-06-94	7.50	2,400
Buck Creek tributary near Tazewell, Ga. (02349330)	Lat 32°20'50", long 84°22'26", Schley County, Hydrologic Unit 03130006, at culvert on State Highway 240, 4.3 miles east of Tazewell. Drainage area is (a)0.40 mi ² . Elevation of gage is 495 ft above sea level (from topographic map).	1977-98	03-09-98	3.12	54	10-01-89	4.37	103
Buck Creek near Ellaville, Ga. (02349350)	Lat 32°18'35", long 84°17'36", Schley County, Hydrologic Unit 03130006, at U.S. Highway 19, 5 miles north of Ellaville. Drainage area is 146 mi ² . Elevation of gage is 350 ft above sea level (from topographic map).	1979-98	03-09-98	8.57	2,080	07-06-94	11.31	7,800
Horsehead Creek near Montezuma, Ga. (02349695)	Lat 32°21'28", long 83°56'11", Macon County, Hydrologic Unit 03130006, at culvert on State Highway 224, 8.7 miles northeast of Montezuma. Drainage area is 0.72 mi ² . Elevation of gage is 315 ft above sea level (from topographic map).	1977-98	12-14-97	4.87	120	07-06-94	6.96	200
Kinchafoonee Creek at at Preston, Ga. (02350600)	Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at bridge on State High- way 41, 1 mi southwest of Preston, and 1 mile upstream from Harrell Mill Creek. Drainage area is 197 mi ² . Datum of gage is 337.70 ft above sea level.	1943,1948-50, 1951-77††, 1978-80, 1987-98	03-09-98	9.57	7,350	03-17-90	12.16	14,500
Choctahatchee Creek tributary near Plains, Ga. (02350685)	Lat 32°02'02", long 84°25'59", Sumter County, Hydrologic Unit 03130007, at culvert on U.S. High- way 280, 2.4 miles west of Plains. Drainage area is 0.32 mi ² . Elevation of gage is 440 ft above sea level (from topographic map).	1977-98	03-09-98	1.84	26	07-06-94	9.25	625
Spring Creek at Colquitt, Ga. (02356640)	Lat 31°10'14", long 84°44'34", Miller County, Hydrologic Unit 03130010, at U.S. Highway 27 at Colquitt. Drainage area is 281 mi ² . Elevation of gage is 121 ft above sea level (from topographic map).	1981-98	03-10-98	15.91	20,500	03-10-98	15.91	20,500

†† Operated as a continuous-record gaging station.

(a) Approximately.

nd Not determined.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1998 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
MOBILE RIVER BASIN								
Pinhook Creek (prior to 1986, published as Mill Creek tributary) near Eton, Ga. (02384600)	Lat 34°49'38", long 84°48'58", Murray County, Hydrologic Unit 03150101, at culvert on State Highway 286, 3 miles west of Eton. Drainage area is 4.28 mi ² . Datum of gage is 706.72 ft above sea level.	1964-98	04-20-98	5.50	382	08-22-67	7.30	960
Conasauga River near Dawnville, Ga. (02384630)	Lat 34°48'03", long 84°50'18", Whitfield-Murray County line, Hydrologic Unit 03150101, 2.6 miles southeast of Dawnville. Drainage area is 303 mi ² . Datum of gage is 622.96 ft above sea level.	1984-98	04-20-98	20.04	nd	03-28-94	24.58	ND
McClendon Creek tributary near Dallas, Ga. (02411735)	Lat 33°50'59", long 84°57'20", Paulding County, Hydrologic Unit 03150108, at culvert on State High- way 120, 9.3 miles southwest of Dallas. Drainage area is 0.88 mi ² . Elevation of gage is 1,200 ft above sea level (from topographic map).	1977-98	04-20-98	34.21	299	05-27-81	8.23	860
Mann Creek tributary near Tallapoosa, Ga. (02411902)	Lat 33°51'16", long 85°17'28", Haralson County, Hydrologic Unit 03150108, at culvert on State High- way 100, 7 miles north of Tallapoosa. Drainage area is 0.12 mi ² . Elevation of gage is 1,120 ft above sea level (from topographic map).	1977-98	04-20-98	4.15	63	04-13-79	5.51	107
Euharlee Creek at Rockmart, Ga. (02394820)	Lat 33°59'55", long 85°03'09", Polk County, Hydrologic Unit 03150104, at U.S. Highway 278 (State Highway 6) at Rockmart. Drainage area is 42.1 mi ² . Datum of gage is 732.98 ft above sea level.	1961, 1974, 1979, 1984-98	02-04-98	9.63	2,530	03-04-79	15.00	7,000
Harrisburg Creek near Hawkins, Ga. (02397830)	Lat 34°36'02", long 85°23'21", Walker County, Hydrologic Unit 03150105, at bridge on County Road 91, 0.7 mile west of Hawkins. Drainage area is 13.3 mi ² . Elevation of gage is 730 ft above sea level (from topographic map).	1980-82††, 1983-98	02-04-98	10.37	3,430	02-16-90	12.00	5,530

†† Operated as a continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1998 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
TENNESSEE RIVER BASIN								
Hiawassee River at Presley, Ga. (03545000)	Lat 34°54'17", long 83°42'01", Towns County, Hydrologic Unit 06020002, on left bank, 0.1 mile downstream from Cynth Creek, 0.5 mile southeast of Presley, and at mile 133.9. Drainage area is 45.5 mi ² . Datum of gage is 1,932.69 ft above sea level.	1942-82††, 1983-98	01-07-98	11.76	4,880	03-11-52	15.24	5,700
Nottely River near Blairsville, Ga. (03550500)	Lat 34°50'42", long 83°56'20", Union County, Hydrologic Unit 06020002, on right bank, 1,700 ft downstream from Arkaqua Creek, 2.6 mi southeast of Blairsville, and at mile 44. Drainage area is 78.6 mi ² . Datum of gage is 1,812.47 ft above sea level.	1942-82††, 1983-98	01-07-98	13.73	5,740	08-23-67	21.04	12,900

†† Operated as a continuous-record gaging station.

ACTIVE AND DISCONTINUED GAGING STATIONS

The following list contains discontinued and currently operated continuous-record streamflow stations on streams within the State of Georgia and its border with adjacent States. Daily streamflow record were collected and published for the periods of record shown for each station. Some stations have monthly figures published for additional periods other than those noted in the period of record column.

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02177000	Chattooga River near Clayton	34°48'50"	83°18'22"	207	Oct. 1, 1939	to	current year
02178000	Chattooga River near Tallulah Falls	34°47'31"	83°19'22"	256	Jan. 1, 1917	to	Jan. 27, 1918
					Oct. 1, 1918	to	Sept. 30, 1929
02178400	Tallulah River near Clayton	34°53'25"	83°31'50"	56.5	July 15, 1964	to	current year
02179000	Tallulah River near Seed	34°46'32"	83°31'17"	129	Jan. 1, 1916	to	Apr. 25, 1920
02180500	Tiger Creek at Lakemont	34°46'52"	83°24'54"	26.0	Jan. 11, 1916	to	Sept. 30, 1918
02181000	Tallulah River at Mathis	34°46'44"	83°24'43"	177	Mar. 27, 1913	to	Sept. 30, 1916
02181500	Tallulah River at Tallulah Falls	34°44'16"	83°23'51"	183	July 15, 1904	to	June 30, 1909
					Aug. 16, 1909	to	June 30, 1910
					July 20, 1910	to	Sept. 30, 1912
02181850	Tallulah River above Powerhouse, near Tallulah Falls	34°43'55"	83°22'33"	184	Nov. 15, 1997	to	current year
02182000	Panther Creek near Toccoa	34°40'40"	83°20'43"	32.5	Oct. 1, 1942	to	Sept. 30, 1971
02184000	Tugaloo River near Hartwell	34°29'06"	82°54'33"	909	Apr. 28, 1925	to	Sept. 30, 1927
					Feb. 1, 1940	to	Sept. 30, 1960
02187252	Savannah River below Hartwell Lake, near Hartwell	34°21'15"	82°48'55"	2,090	Oct. 1, 1984	to	current year
02187500	Savannah River near Iva, S.C.	34°15'20"	82°44'42"	2,231	Oct. 1, 1950	to	Sept. 30, 1981
02188500	Beaverdam Creek at Dewy Rose	34°10'52"	82°56'38"	38.4	Oct. 1, 1942	to	Sept. 30, 1977
02188600	Beaverdam Creek above Elberton	34°10'07"	82°53'48"	72.0	Oct. 1, 1986	to	Oct. 8, 1996
02188680	Beaverdam Creek near Elberton	34°08'29"	82°51'15"	89.6	Oct. 1, 1984	to	June 30, 1986
02189000	Savannah River near Calhoun Falls, S.C.	34°04'15"	82°38'30"	2,880	Oct. 1, 1896	to	Apr. 30, 1898
					Apr. 1, 1899	to	Sept. 30, 1900
					Apr. 1, 1930	to	Apr. 30, 1932
					Apr. 1, 1938	to	Sept. 30, 1979
02189050	North Fork Broad River above Toccoa	34°34'25"	83°22'00"	3.66	Oct. 1, 1958	to	Sept. 30, 1969
02189100	Denmans Creek near Toccoa	34°34'22"	83°22'00"	0.74	Apr. 15, 1956	to	Sept. 30, 1969
02189500	North Fork Broad River near Toccoa	34°30'49"	83°19'19"	18.3	May 1, 1954	to	Sept. 30, 1969
02189600	Bear Creek near Mize	34°29'07"	83°18'38"	3.62	Dec. 1, 1956	to	Sept. 30, 1969
02190000	North Fork Broad River near Lavonia	34°27'10"	83°14'23"	42.0	May 1, 1954	to	Sept. 30, 1969
02190100	Toms Creek near Eastanollee	34°29'01"	83°14'02"	3.79	Oct. 1, 1956	to	Sept. 30, 1969
02190200	Toms Creek near Avalon	34°29'35"	83°13'23"	1.20	Oct. 1, 1954	to	Sept. 30, 1969
02190500	Toms Creek near Martin	34°27'47"	83°13'19"	10.3	June 17, 1954	to	Sept. 30, 1969
02191000	North Fork Broad River near Carnesville	34°19'25"	83°11'10"	119	Oct. 1, 1942	to	Dec. 31, 1944
					May 1, 1954	to	Sept. 30, 1969
02191200	Hudson River at Homer	34°20'15"	83°29'17"	60.9	June 1, 1959	to	Sept. 30, 1979
02191300	Broad River above Carlton	34°04'24"	83°00'12"	760	Oct. 1, 1997	to	current year
02191500	Broad River near Carlton	34°03'56"	82°59'33"	762	July 1, 1897	to	Dec. 31, 1912
02191970	Little Macks Creek near Lexington	33°56'09"	82°57'41"	1.73	Dec. 5, 1974	to	Sept. 30, 1985
02192000	Broad River near Bell	33°58'27"	82°46'12"	1,430	Nov. 1, 1926	to	July 31, 1932
					Aug. 1, 1937	to	current year
02193340	Kettle Creek near Washington	33°40'57"	82°51'29"	33.9	Apr. 16, 1986	to	current year
02193500	Little River near Washington	33°36'40"	82°44'40"	291	Oct. 1, 1949	to	June 23, 1971
					May 1, 1989	to	current year
02194000	Little River near Lincolnton	33°38'40"	82°28'40"	574	Jan. 1, 1943	to	Mar. 31, 1951
02196484	Savannah River near North Augusta, S.C.	33°33'06"	82°02'19"	7,150	Oct. 1, 1988	to	current year
02196820	Butler Creek at Fort Gordon	33°26'36"	82°07'43"	7.50	Oct. 1, 1968	to	Jan. 22, 1991
02197000	Savannah River at Augusta	33°22'25"	81°56'35"	7,508	Apr. 1, 1883	to	Sept. 30, 1891
					Apr. 1, 1896	to	Sept. 30, 1906
					Apr. 1, 1925	to	current year
02197320	Savannah River near Jackson, S.C.	33°13'01"	81°46'04"	7,800	Oct. 1, 1971	to	current year
02197500	Savannah River at Burtons Ferry Bridge, near Millhaven	32°56'20"	81°30'10"	8,650	Oct. 1, 1939	to	Sept. 30, 1970
					Oct. 1, 1982	to	current year
02197520	Brier Creek near Thomson	33°22'06"	82°28'06"	55.0	July 18, 1967	to	Sept. 30, 1993
02197550	Little Brier Creek near Thomson	33°20'24"	82°27'29"	24.0	June 24, 1960	to	June 30, 1967
02197600	Brushy Creek near Wrens	33°10'37"	82°18'21"	28.0	May 29, 1958	to	current year

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02197830	Brier Creek near Waynesboro	33°07'05"	81°57'50"	473	July 1, 1969	to	Jan. 19, 1995
02198000	Brier Creek at Millhaven	32°56'00"	81°39'05"	646	Apr. 14, 1937	to	current year
02198100	Beaverdam Creek near Sardis	32°56'15"	81°48'56"	30.8	June 7, 1986	to	current year
02198500	Savannah River near Clio	32°31'30"	81°15'45"	9,850	Apr. 1, 1930	to	Sept. 30, 1933
					Oct. 1, 1937	to	current year
02198690	Ebenezer Creek at Springfield	32°21'56"	81°17'51"	181	Mar. 1, 1990	to	current year
02200500	Ogeechee River near Louisville	32°58'03"	82°23'26"	800	Apr. 1, 1937	to	Dec. 31, 1949
02201000	Williamson Swamp Creek at Davisboro	32°58'32"	82°36'36"	109	May 7, 1980	to	current year
02202000	Ogeechee River at Scarboro	32°42'38"	81°52'46"	1,940	Apr. 1, 1937	to	June 30, 1971
02202500	Ogeechee River near Eden	32°11'29"	81°24'58"	2,650	Apr. 27, 1937	to	current year
02202600	Black Creek near Blitchton	32°10'04"	81°29'18"	232	Feb. 14, 1980	to	current year
02203000	Canoochee River near Claxton	32°11'05"	81°53'20"	555	May 26, 1937	to	current year
02203500	Canoochee River near Groveland	32°05'55"	81°43'43"	921	June 23, 1903	to	Dec. 31, 1907
02203559	Peacock Creek at McIntosh	31°48'49"	81°31'13"	33.0	Oct. 1, 1966	to	Sept. 30, 1977
02203600	South River at East Point	33°40'50"	84°25'15"	1.49	Oct. 1, 1963	to	Sept. 30, 1969
02203900	South River at Flakes Mill Road, near Atlanta	33°39'58"	84°13'29"	99.0	Aug. 23, 1979	to	Sept. 30, 1983
02204070	South River at Klondike Road, near Lithonia	33°37'47"	84°07'43"	182	Oct. 1, 1983	to	current year
02204285	Pates Creek near Flippen	33°29'34"	84°14'44"	11.9	Aug. 9, 1977	to	Sept. 30, 1984
02204500	South River near McDonough	33°29'48"	84°00'53"	456	Oct. 1, 1939	to	Sept. 30, 1960
					Oct. 1, 1975	to	Sept. 30, 1982
02205000	Wildcat Creek near Lawrenceville	34°00'08"	84°00'18"	1.59	Oct. 1, 1953	to	Sept. 30, 1982
02205500	Pew Creek near Lawrenceville	33°56'05"	84°01'00"	2.23	Oct. 1, 1953	to	Sept. 30, 1963
02206000	Shetley Creek near Norcross	33°57'20"	84°09'40"	0.98	Oct. 1, 1953	to	Sept. 30, 1963
02206500	Yellow River near Snellville	33°51'11"	84°04'45"	134	Oct. 1, 1942	to	Sept. 30, 1971
					Oct. 1, 1987	to	current year
02207000	Garner Creek near Snellville	33°51'45"	84°05'50"	5.54	Oct. 1, 1953	to	Sept. 30, 1963
02207500	Yellow River near Covington	33°36'52"	83°54'54"	378	Sept. 12, 1897	to	Dec. 31, 1897
					May 9, 1899	to	Dec. 31, 1901
					July 1, 1944	to	Sept. 30, 1960
					Oct. 1, 1975	to	Sept. 30, 1982
02208450	Alcovy River above Covington	33°38'24"	83°46'45"	185	Jan. 26, 1972	to	current year
02208500	Alcovy River near Covington	33°35'35"	83°48'29"	228	May 1, 1901	to	Dec. 31, 1904
02209000	Alcovy River below Covington	33°30'21"	83°49'30"	244	Oct. 1, 1928	to	Apr. 30, 1932
					July 1, 1944	to	Dec. 31, 1949
02209500	Alcovy River near Stewart	33°25'22"	83°49'43"	291	Sept. 16, 1905	to	Dec. 31, 1906
02210500	Ocmulgee River near Jackson	33°18'28"	83°50'18"	1,420	May 18, 1906	to	Sept. 30, 1915
					Aug. 1, 1939	to	Sept. 30, 1960
					Oct. 1, 1975	to	Sept. 30, 1982
					Mar. 1, 1987	to	current year
02211300	Towaliga River near Jackson	33°15'50"	84°04'17"	105	June 1, 1960	to	Sept. 30, 1971
02211459	Big Towaliga Creek near Barnesville	33°04'20"	84°11'04"	2.36	Oct. 1, 1974	to	Sept. 30, 1980
02211500	Towaliga River near Forsyth	33°07'17"	83°56'36"	315	Feb. 1, 1929	to	Mar. 31, 1932
					July 1, 1944	to	Dec. 31, 1949
02212500	Ocmulgee River at Juliette	33°05'50"	83°47'10"	1,960	June 1, 1916	to	Sept. 30, 1921
					July 2, 1974	to	May 15, 1988
02212600	Falling Creek near Juliette	33°05'59"	83°43'25"	72.2	July 7, 1964	to	current year
02213000	Ocmulgee River at Macon	32°50'19"	83°37'14"	2,240	Feb. 1, 1893	to	July 31, 1912
					Oct. 1, 1928	to	current year
02213050	Walnut Creek near Gray	32°58'20"	83°37'08"	29.0	Oct. 1, 1961	to	Apr. 26, 1994
02213470	Tobesofkee Creek above Macon	32°52'02"	83°50'24"	156	Apr. 1, 1967	to	Sept. 30, 1971
02213500	Tobesofkee Creek near Macon	32°48'32"	83°45'30"	182	Apr. 1, 1937	to	current year
02213700	Ocmulgee River near Warner Robins	32°40'17"	83°36'11"	2,690	Oct. 1, 1972	to	current year
02214000	Echeconnee Creek near Macon	32°45'54"	83°50'22"	147	Apr. 1, 1937	to	Sept. 30, 1943
22145000	Big Indian Creek at Perry	32°27'20"	83°44'21"	108	Oct. 1, 1943	to	July 31, 1971
02215000	Ocmulgee River at Hawkinsville	32°16'50"	83°27'40"	3,800	Oct. 1, 1928	to	Dec. 31, 1931
					Oct. 1, 1943	to	Sept. 30, 1959
02215100	Tucsawhatchee Creek near Hawkinsville	32°14'22"	83°30'06"	163	Apr. 1, 1986	to	current year
02215400	Big Horse Creek near Lumber City	31°51'07"	82°49'37"	155	Oct. 1, 1958	to	Dec. 31, 1961
02215500	Ocmulgee River at Lumber City	31°55'06"	82°40'26"	5,180	Oct. 1, 1936	to	current year
02216000	Little Ocmulgee River at Towns	32°00'28"	82°45'10"	351	Apr. 1, 1937	to	Dec. 31, 1946

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02216180	Turnpike Creek near McRae	31°59'29"	82°55'19"	49.2	Jan. 1, 1983	to	current year
02216610	Tillman Mill Creek near Lumber City	31°58'53"	82°38'32"	2.71	Oct. 1, 1974	to	Sept. 30, 1985
02217000	Allen Creek at Talmo	34°11'34"	83°43'11"	17.3	July 7, 1951	to	Sept. 30, 1971
02217475	Middle Oconee River near Arcade	34°01'54"	83°33'48"	340	Mar. 1, 1987	to	current year
02217500	Middle Oconee River near Athens	33°56'48"	83°25'22"	392	Oct. 1, 1901	to	Sept. 30, 1902
					Jan. 1, 1929	to	Mar. 31, 1932
					May 1, 1937	to	current year
02217900	North Oconee River at Athens	33°56'55"	83°22'04"	290	Oct. 1, 1928	to	Mar. 31, 1932
					June 24, 1944	to	Dec. 31, 1949
02218300	Oconee River near Penfield	33°43'16"	83°17'44"	940	Aug. 1, 1977	to	current year
02218500	Oconee River near Greensboro	33°34'52"	83°16'22"	1,090	Aug. 1, 1903	to	Sept. 30, 1932
					Apr. 1, 1937	to	Sept. 30, 1978
02219000	Apalachee River near Bostwick	33°47'17"	83°28'27"	176	July 1, 1944	to	Dec. 31, 1949
					Apr. 28, 1977	to	current year
02219500	Apalachee River near Buckhead	33°36'31"	83°20'58"	436	Jan. 1, 1901	to	Dec. 31, 1908
					Apr. 1, 1937	to	Sept. 30, 1978
02220500	Oconee River near Sparta	33°20'05"	83°08'38"	1,830	Oct. 1, 1949	to	Apr. 15, 1953
02220550	Whitten Creek near Sparta	33°23'12"	83°01'34"	16.6	June 22, 1960	to	Apr. 16, 1986
02220900	Little River near Eatonton	33°18'50"	83°26'14"	262	Aug. 1, 1977	to	current year
02221000	Murder Creek near Monticello	33°24'56"	83°39'43"	24.0	Oct. 1, 1951	to	Sept. 30, 1971
02221525	Murder Creek below Eatonton	33°15'08"	83°28'53"	190	Apr. 27, 1977	to	current year
02223000	Oconee River at Milledgeville	33°05'22"	83°12'56"	2,950	Sept. 1, 1903	to	current year
02223056	Oconee River at Avant Mine, near Oconee	32°56'23"	83°04'01"	3100	Nov. 4, 1992	to	current year
02223110	Buffalo Creek near Oconee	32°53'28"	82°57'40"	293	Jan. 28, 1993	to	Oct. 2, 1996
02223248	Oconee River near Oconee	32°47'14"	82°57'26"	3770	Nov. 1, 1992	to	current year
02223300	Big Sandy Creek near Jeffersonville	32°48'15"	83°25'04"	31.0	Oct. 1, 1958	to	Sept. 30, 1971
02223382	Oconee River near Dublin	32°41'41"	82°56'20"	4100	Nov. 4, 1992	to	Oct. 2, 1996
02223500	Oconee River at Dublin	32°32'40"	82°53'41"	4,400	Oct. 1, 1897	to	current year
02224000	Rocky Creek near Dudley	32°29'38"	83°08'49"	62.9	Dec. 1, 1951	to	Sept. 30, 1976
02224500	Oconee River near Mt. Vernon	32°11'28"	82°38'00"	5,110	Oct. 1, 1937	to	Dec. 31, 1955
02225000	Altamaha River near Baxley	31°56'20"	82°21'13"	11,600	Aug. 14, 1949	to	June 30, 1951
					Oct. 1, 1970	to	current year
02225500	Ochoopee River near Reidsville	32°04'42"	82°10'39"	1,110	June 24, 1903	to	Dec. 31, 1907
					May 25, 1937	to	current year
02226000	Altamaha River at Doctortown	31°39'16"	81°49'41"	13,600	Oct. 1, 1931	to	current year
02226100	Penholoway Creek near Jesup	31°34'00"	81°50'18"	210	July 1, 1958	to	current year
02226500	Satilla River near Waycross	31°14'17"	82°19'29"	1,200	Apr. 1, 1937	to	current year
02226600	Burket Creek near Roper	31°47'42"	82°37'33"	7.10	July 1, 1956	to	Sept. 30, 1963
02226700	Whitehead Creek near Denton	31°44'00"	82°41'26"	28.0	July 1, 1956	to	Sept. 30, 1963
02226900	Hurricane Creek near Hazelhurst	31°40'58"	82°34'15"	102	July 1, 1956	to	Sept. 30, 1963
02227000	Hurricane Creek near Alma	31°34'00"	82°27'50"	139	Oct. 1, 1951	to	Sept. 30, 1971
02227500	Little Satilla River near Offerman	31°27'04"	82°03'17"	646	Jan. 27, 1951	to	current year
02228000	Satilla River at Atkinson	31°13'16"	81°52'03"	2,790	Mar. 21, 1930	to	current year
02228500	North Prong St Marys River at Moniac	30°31'03"	82°13'50"	160	Feb. 1, 1921	to	Dec. 31, 1923
					Feb. 1, 1927	to	June 30, 1930
					Aug. 1, 1932	to	June 30, 1934
					Oct. 1, 1950	to	current year
02231000	St Marys River near Macclenny, FL	30°21'31"	82°04'54"	700	Oct. 1, 1926	to	current year
02231253	St Marys River near Gross, FL	30°44'29"	81°41'17"	1,360	Apr. 1, 1966	to	May 31, 1975
					Oct. 1, 1980	to	Sept. 30, 1983
					Oct. 1, 1984	to	Aug. 31, 1990
02314500	Suwannee River at Fargo	30°40'50"	82°33'38"	1,260	Jan. 28, 1927	to	Dec. 9, 1931
					Apr. 20, 1937	to	current year
02316000	Alapaha River near Alapaha	31°23'03"	83°11'33"	663	Apr. 26, 1937	to	Sept. 30, 1976
02317000	Alapaha River at Mayday	30°49'40"	83°01'05"	1,300	Oct. 1, 1928	to	Dec. 9, 1931
02317500	Alapaha River at Statenville	30°42'14"	83°02'00"	1,400	Jan. 28, 1921	to	June 30, 1921
					Dec. 10, 1931	to	current year
02317748	Withlacoochee River near Bemiss	30°57'24"	83°16'12"	501	Oct. 13, 1976	to	Dec. 31, 1981
023177483	Withlacoochee River at McMillan Road, near Bemiss	30°56'50"	83°16'22"	502	June 11, 1988	to	current year
02317755	Withlacoochee River at U.S. 41 near Valdosta	30°53'33"	83°19'08"	537	Oct. 20, 1976	to	Sept. 30, 1978
					Aug. 31, 1988	to	Jan. 3, 1990

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02317830	Little River near Lenox	31°15'15"	83°30'32"	208	May 1, 1967	to	Sept. 30, 1971
					Oct. 1, 1976	to	Sept. 30, 1978
02318000	Little River near Adel	31°09'18"	83°32'38"	577	June 12, 1940	to	Sept. 30, 1971
02318500	Withlacoochee River near Quitman	30°47'35"	83°27'13"	1,480	Oct. 1, 1928	to	Dec. 11, 1931
					June 9, 1937	to	May 31, 1948
					Oct. 1, 1988	to	May 7, 1992
					June 1, 1992	to	current year
02318700	Okapilco Creek at State Route 33 near Quitman	30°49'32"	83°33'45"	269	Dec. 21, 1979	to	current year
02327500	Ochlockonee River near Thomasville	30°52'32"	84°02'44"	550	Aug. 11, 1937	to	June 30, 1971
02328000	Tired Creek near Cairo	30°51'54"	84°15'46"	60.0	Oct. 1, 1943	to	Feb. 29, 1948
					Apr. 26, 1948	to	June 30, 1971
02329342	Little Attapulcus Creek at Attapulcus	30°44'08"	84°29'49"	16.9	Nov. 15, 1991	to	current year
02330450	Chattahoochee River at Helen	34°42'03"	83°43'44"	44.7	May 5, 1981	to	current year
02331000	Chattahoochee River near Leaf	34°34'37"	83°38'09"	150	Feb. 21, 1940	to	Sept. 30, 1971
02331500	Soque River near Demorest	34°34'23"	83°35'27"	156	July 6, 1904	to	June 30, 1909
					May 30, 1929	to	Dec. 25, 1931
					Mar. 27, 1940	to	Dec. 31, 1951
02331600	Chattahoochee River near Cornelia	34°32'27"	83°37'14"	315	Aug. 21, 1957	to	current year
02332000	King Branch near Alto	34°27'05"	83°36'45"	0.42	May 1, 1944	to	Sept. 30, 1948
02332830	West Fork Little River near Clermont	34°24'55"	83°49'18"	18.3	Feb. 1, 1993	to	current year
02333000	Chattahoochee River near Gainesville	34°19'17"	83°52'46"	559	June 26, 1901	to	Sept. 27, 1902
					Dec. 28, 1902	to	Dec. 31, 1903
					Apr. 28, 1937	to	Feb. 29, 1956
02333500	Chestatee River near Dahlonega	34°31'41"	83°56'23"	153	July 8, 1929	to	Jan. 31, 1932
					Apr. 1, 1940	to	current year
02334430	Chattahoochee River at Buford Dam, near Buford	34°09'25"	84°04'44"	1,040	Oct. 1, 1971	to	current year
02334480	Richland Creek near Buford	34°07'57"	84°04'12"	9.35	Oct. 1, 1995	to	Jan. 6, 1997
02334500	Chattahoochee River near Buford	34°07'34"	84°05'37"	1,060	Jan. 27, 1942	to	Sept. 30, 1971
02334885	Suwanee Creek near Suwanee	34°01'56"	84°05'22"	46.8	Oct. 1, 1984	to	current year
02335000	Chattahoochee River near Norcross	33°59'50"	84°12'07"	1,170	Jan. 1, 1903	to	Sept. 30, 1946
					Oct. 1, 1956	to	current year
02335078	Johns Creek at Buice Road, near Warsaw	34°00'58"	84°12'40"	11.6	Apr. 1, 1994	to	Jan. 8, 1998
02335450	Chattahoochee River at Eves Road, above Roswell	33°59'09"	84°18'58"	1,220	July 7, 1976	to	current year
02335500	Chattahoochee River near Roswell	34°00'20"	84°19'53"	1,230	Oct. 1, 1941	to	May 10, 1960
02335700	Big Creek near Alpharetta	34°03'02"	84°16'10"	72.0	May 1, 1960	to	current year
02335830	Chattahoochee River at Johnson Ferry Road, near Atlanta	33°56'36"	84°24'17"	1,380	Sep. 1, 1994	to	Jan. 11, 1998
02335870	Sope Creek near Marietta	33°57'14"	84°26'36"	29.2	Oct. 1, 1984	to	current year
02335912	Rottenwood Creek at I-285, at Atlanta	33°53'30"	84°27'33"	19.5	Oct. 1, 1995	to	Sept. 30, 1996
02336000	Chattahoochee River at Atlanta	33°51'33"	84°27'16"	1,450	Aug. 1, 1928	to	Dec. 31, 1931
					Oct. 1, 1936	to	current year
02336300	Peachtree Creek at Atlanta	33°49'10"	84°24'28"	86.8	June 20, 1958	to	current year
02336380	Nancy Creek at Randall Mill Road, at Atlanta	33°51'35"	84°25'28"	34.8	Oct. 1, 1963	to	Sept. 30, 1964
02336410	Nancy Creek at West Wesley Road, at Atlanta	33°50'18"	84°26'22"	37.7	Apr. 23, 1994	to	Jan. 11, 1998
02336490	Chattahoochee River at State Route 280, near Atlanta	33°49'01"	84°28'48"	1,590	Mar. 3, 1981	to	current year
02336500	Chattahoochee River at Oakdale	33°48'46"	84°29'19"	1,600	Oct. 1, 1895	to	Aug. 31, 1903
					Nov. 1, 1903	to	May 31, 1904
02336529	Proctor Creek at Northwest Drive, near Atlanta	33°47'57"	84°29'13"	15.5	Apr. 27, 1995	to	Jan. 13, 1998
02336635	Nickajack Creek at US Highways 78 and 278, near Mableton	33°48'11"	84°31'12"	31.5	Oct. 1, 1995	to	current year
02336700	South Utoy Creek Tributary at Headland Drive, at East Point	33°41'25"	84°28'05"	0.79	Oct. 1, 1963	to	Sept. 30, 1969

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02337000	Sweetwater Creek near Austell	33°46'22"	84°36'53"	246	May 18, 1904 Mar. 24, 1937	to	Dec. 31, 1905 current year
02337100	North Fork Camp Creek at Atlanta	33°39'40"	84°30'40"	5.25	Oct. 1, 1963	to	Sept. 30, 1969
02337160	Deep Creek at State Highway 70, near Tell	33°39'52"	84°38'26"	27.5	Oct. 1, 1995	to	Jan. 12, 1998
02337170	Chattahoochee River near Fairburn	33°39'24"	84°40'25"	2,060	July 6, 1965	to	current year
02337320	Bear Creek at State Highway 70, near Rico	33°36'17"	84°44'54"	27.5	Apr. 28, 1995	to	Jan. 12, 1998
02337500	Snake Creek near Whitesburg	33°31'46"	84°55'42"	35.5	Sep. 15, 1954	to	current year
02338000	Chattahoochee River near Whitesburg	33°28'37"	84°54'04"	2,430	Oct. 1, 1938 Jan. 1, 1965	to	June 30, 1954 current year
02338185	Wahoo Creek at Wagers Mill Road, near Sargent	33°26'12"	84°54'02"	29.7	Dec. 1, 1995	to	Jan. 8, 1997
02338280	Whooping Creek at State Highway 5, near Whitesburg	33°27'40"	84°59'49"	26.4	Sep. 1, 1994	to	Jan. 8, 1997
02338314	Plant Wangsley Outfall near Glenloch	33°24'20"	85°01'58"	25.5	Apr. 29, 1995	to	Jan. 8, 1997
02338400	Centralhatchee Creek at US Highway 27, near Franklin	33°18'40"	85°06'18"	57.7	Sep. 1, 1994	to	Jan. 8, 1997
02338500	Chattahoochee River at Franklin	33°16'45"	85°06'00"	2,680	June 1, 1928 Oct. 1, 1938 Oct. 1, 1957	to	Oct. 31, 1931 Sept. 30, 1939 Sept. 30, 1959
02338660	New River near Corinth	33°14'07"	84°59'16"	127	Oct. 1, 1978	to	current year
02338840	Yellowjacket Creek near Hogansville	33°08'22"	84°58'31"	91.0	Oct. 1, 1978	to	Sept. 30, 1985
02339000	Yellowjacket Creek near LaGrange	33°05'27"	85°03'40"	182	Jan. 20, 1951	to	Mar. 31, 1971
02339500	Chattahoochee River at West Point	32°53'10"	85°10'56"	3,550	Aug. 1, 1896	to	current year
02340000	Mill Creek near Warm Springs	32°52'03"	84°47'04"	0.87	Dec. 17, 1933	to	Apr. 30, 1935
02340500	Mountain Oak Creek near Hamilton	32°44'28"	85°04'08"	61.7	Dec. 22, 1943	to	Sept. 30, 1971
02341500	Chattahoochee River at Columbus	32°27'45"	84°59'52"	4,670	Aug. 23, 1929	to	current year
02341800	Upatoi Creek near Columbus	32°24'48"	84°49'12"	342	Apr. 1, 1968	to	current year
02342000	Upatoi Creek at Fort Benning	32°22'35"	84°56'40"	447	Oct. 1, 1942	to	Dec. 31, 1947
02342850	Hannahatchee Creek at Union	32°09'10"	84°54'21"	121	June 1, 1964	to	Sept. 30, 1965
02343200	Pataula Creek near Lumpkin	31°56'03"	84°48'12"	70.0	June 21, 1958	to	Sept. 30, 1971
02343260	Chattahoochee River at Fort Gaines	31°36'15"	85°03'19"	7,570	Oct. 1, 1960	to	Sept. 30, 1962
02343500	Chattahoochee River at Columbia, Ala.	31°17'11"	85°05'45"	8,040	July 27, 1928	to	Sept. 30, 1960
02343801	Chattahoochee River at Andrews Lock and Dam, at Columbia, Ala.	31°15'33"	85°06'37"	8,210	Oct. 1, 1975	to	current year
02344000	Chattahoochee River at Alaga, Ala.	31°06'54"	85°02'43"	8,340	May 1, 1938 Oct. 1, 1960	to	Dec. 31, 1944 Sept. 30, 1970
02344300	Camp Creek near Fayetteville	33°31'00"	84°25'39"	17.2	June 1, 1960	to	Sept. 30, 1973
02344350	Flint River near Lovejoy	33°24'56"	84°23'05"	130	May 7, 1985	to	current year
02344500	Flint River near Griffin	33°14'39"	84°25'45"	272	Mar. 1, 1937	to	current year
02344700	Line Creek near Senoia	33°19'10"	84°31'25"	101	Sept. 1, 1964	to	current year
02345000	Flint River near Molena	32°59'21"	84°31'45"	990	Oct. 1, 1945	to	June 30, 1953
02345500	Flint River near Woodbury	32°57'59"	84°31'58"	1,090	Apr. 1, 1900	to	Sept. 30, 1920
02346180	Flint River near Thomaston	32°50'20"	84°25'27"	1,220	May 21, 1966	to	Sept. 30, 1992
02346500	Potato Creek near Thomaston	32°54'15"	84°21'45"	186	Oct. 1, 1937	to	June 30, 1971
02347500	Flint River near Culloden	32°43'17"	84°13'57"	1,850	July 1, 1911 July 21, 1928 Mar. 18, 1937	to	May 31, 1923 Dec. 31, 1931 current year
02348500	Whitewater Creek near Butler	32°28'02"	84°15'59"	80.0	Oct. 1, 1943	to	Sept. 30, 1951
02349000	Whitewater Creek below Rambulette Creek, near Butler	32°28'00"	84°15'58"	93.4	Oct. 1, 1951	to	Sept. 30, 1971
02349500	Flint River at Montezuma	32°17'53"	84°02'38"	2,900	Oct. 1, 1904 Jan. 1, 1911 July 1, 1930	to	Dec. 31, 1909 Dec. 31, 1912 current year
02349900	Turkey Creek at Byromville	32°11'44"	83°54'03"	45.0	June 20, 1958	to	current year
02350000	Flint River near Vienna	32°03'38"	83°58'36"	3,390	Oct. 1, 1926	to	Sept. 30, 1930

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02350080	Lime Creek near Cobb	32°02'06"	83°59'33"	61.8	Apr. 30, 1983 Mar. 1, 1993	to	Jan. 11, 1984 Feb. 21, 1996
02350220	Gum Creek at Coney	31°57'40"	83°53'05"	73.0	Apr. 30, 1983	to	Jan. 11, 1984
02350300	Cedar Creek near Cordele	31°54'45"	83°51'18"	34.0	Apr. 30, 1983	to	Jan. 11, 1984
02350500	Flint River at Oakfield	31°46'07"	83°59'24"	3,860	Oct. 1, 1929	to	Dec. 31, 1958
02350512	Flint River at State Highway 32, near Oakfield	31°43'30"	84°01'07"	3,880	May 1, 1987	to	current year
02350600	Kinchafoonee Creek at Preston	32°03'09"	84°32'54"	197	Oct. 1, 1951	to	Sept. 30, 1977
02350900	Kinchafoonee Creek near Dawson	31°45'52"	84°15'12"	527	Mar. 7, 1985	to	current year
02351000	Kinchafoonee Creek near Leesburg	31°43'10"	84°11'08"	586	Apr. 1, 1906	to	Dec. 31, 1909
02351890	Muckalee Creek at State Route 195, near Leesburg	31°46'34"	84°08'22"	362	Dec. 15, 1979	to	current year
02352500	Flint River at Albany	31°35'39"	84°08'39"	5,310	Oct. 1, 1901 Oct. 1, 1929	to	June 30, 1921 current year
02353000	Flint River at Newton	31°18'34"	84°20'06"	5,740	Apr. 1, 1938 Oct. 1, 1946 Jan. 1, 1949 Oct. 1, 1956	to	Sept. 30, 1945 Sept. 30, 1947 Sept. 30, 1950 current year
02353400	Pachitla Creek near Edison	31°33'17"	84°40'43"	188	June 9, 1959 Mar. 24, 1988	to	Sept. 30, 1971 current year
02353500	Ichawaynochaway Creek at Milford	31°22'58"	84°32'52"	620	Sept. 1, 1905 Oct. 1, 1939	to	Dec. 31, 1907 current year
02354000	Alligator Creek near Milford	31°21'17"	84°33'58"	14.0	Jan. 1, 1942	to	May 31, 1952
02354500	Chickasawhatchee Creek at Elmodel	31°21'09"	84°29'10"	320	Oct. 1, 1939 July 28, 1995	to	Dec. 31, 1949 current year
02354800	Ichawaynochaway Creek near Elmodel	31°17'42"	84°29'17"	1,000	Apr. 15, 1995	to	current year
02355000	Ichawaynochaway Creek near Newton	31°16'00"	84°29'00"	1,020	Aug. 10, 1937 Oct. 1, 1939	to	Mar. 31, 1939 Sept. 30, 1947
02355350	Ichawaynochaway Creek below Newton	31°12'48"	84°28'24"	1,040	Apr. 15, 1995	to	current year
02355500	Big Cypress Creek near Milford	31°15'15"	84°36'18"	12.0	Jan. 1, 1942	to	Dec. 31, 1949
02356000	Flint River at Bainbridge	30°54'41"	84°34'48"	7,570	Oct. 1, 1907 Oct. 1, 1928	to	Dec. 31, 1913 Sept. 30, 1971
02356500	Long Branch near Damascus	31°17'55"	84°42'11"	18.0	Feb. 1, 1945	to	Dec. 31, 1949
02356980	Aycocks Creek near Boykin	31°05'11"	84°44'12"	105	Mar. 1, 1993	to	Sept. 30, 1995
02357000	Spring Creek near Iron City	31°02'23"	84°44'18"	485	June 11, 1937 Dec. 20, 1976 June 7, 1982	to	Apr. 30, 1971 Sept. 30, 1978 current year
02379000	Cartecay River near Cartecay	34°38'19"	84°24'32"	86.4	July 1, 1904 Dec. 12, 1918	to	Dec. 31, 1905 June 30, 1921
02379500	Cartecay River near Ellijay	34°40'53"	84°27'20"	134	Mar. 17, 1937	to	Sept. 30, 1977
02380000	Ellijay River at Ellijay	34°41'06"	84°28'40"	87.7	May 4, 1907 Dec. 10, 1918 Feb. 26, 1953	to	Dec. 31, 1907 June 30, 1921 Sept. 30, 1969
02380500	Coosawattee River near Ellijay	34°40'18"	84°30'31"	236	Oct. 1, 1938 June 1, 1963	to	Dec. 31, 1949 current year
02381000	Mountaintown Creek near Ellijay	34°45'00"	84°33'25"	31.5	Oct. 1, 1939	to	Dec. 31, 1942
02381500	Coosawattee River near Carters	34°36'45"	84°40'15"	374	Sept. 12, 1925 Oct. 1, 1961	to	Dec. 10, 1931 Sept. 30, 1964
02381600	Fausett Creek near Talking Rock	34°34'17"	84°27'55"	9.99	Oct. 1, 1974	to	current year
02381950	Scarecorn Creek above Hinton	34°27'11"	84°33'28"	6.4	July 22, 1986	to	Jan. 16, 1991
02382000	Scarecorn Creek at Hinton	34°28'04"	84°35'30"	21.3	Apr. 1, 1939 May 1, 1959 Aug. 1, 1986	to	Dec. 31, 1942 Sept. 30, 1974 Apr. 2, 1991
02382200	Talking Rock Creek near Hinton	34°31'22"	84°36'40"	119	Nov. 1, 1973	to	current year
02382300	Talking Rock Creek near Carters	34°35'20"	84°40'05"	142	Oct. 1, 1963	to	Sept. 30, 1971
02382500	Coosawattee River at Carters	34°36'13"	84°41'44"	521	Sept. 1, 1896 Dec. 21, 1918 Oct. 1, 1961 Oct. 1, 1974	to	Dec. 1, 1908 Sept. 30, 1923 Sept. 7, 1972 current year
02383000	Rock Creek near Fairmount	34°21'32"	84°46'46"	6.17	Oct. 1, 1951	to	Sept. 30, 1974
02383500	Coosawattee River near Pine Chapel	34°33'51"	84°49'59"	831	Nov. 11, 1938	to	current year

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02384000	Conasauga River near Tennga	35°00'34"	84°44'02"	108	May 27, 1929	to	Dec. 31, 1931
					Oct. 1, 1943	to	Dec. 31, 1947
02384500	Conasauga River near Eton	34°49'40"	84°51'03"	252	Oct. 1, 1981	to	current year
02384540	Mill Creek near Crandall	34°52'19"	84°43'17"	8.27	Jan. 30, 1985	to	current year
02385000	Coahulla Creek near Varnell	34°53'43"	84°55'15"	86.7	Oct. 1, 1939	to	Dec. 31, 1942
02385500	Mill Creek at Dalton	34°47'18"	84°58'30"	40.1	Aug. 1, 1943	to	Sept. 30, 1959
02385800	Holly Creek near Chatsworth	34°43'00"	84°46'12"	64.0	June 1, 1960	to	current year
02386000	Rock Creek at Ramhurst	34°42'42"	84°44'03"	16.5	Apr. 1, 1939	to	June 30, 1940
02386500	Drowning Bear Creek near Dalton	34°43'30"	84°56'12"	13.9	Apr. 1, 1939	to	June 30, 1940
02387000	Conasauga River at Tilton	34°40'00"	84°55'42"	687	June 5, 1937	to	current year
02387500	Oostanula River at Resaca	34°34'42"	84°56'29"	1,600	Nov. 1, 1892	to	current year
02388000	West Armuchee Creek near Subligna	34°34'04"	85°09'16"	36.4	Apr. 1, 1939	to	June 30, 1940
					May 1, 1960	to	Apr. 27, 1982
02388300	Heath Creek near Rome	34°21'57"	85°16'17"	14.7	May 9, 1968	to	Sept. 30, 1989
02388320	Heath Creek below Rocky Mountain Damsite, near Armuchee	34°22'18"	85°15'50"	16.6	Mar. 2, 1982	to	current year
02388500	Oostanula River near Rome	34°18'02"	85°08'30"	2,120	Oct. 1, 1939	to	current year
02389000	Etowah River near Dawsonville	34°22'57"	84°03'21"	107	Mar. 20, 1940	to	Sept. 30, 1976
02389300	Shoal Creek near Dawsonville	34°25'13"	84°08'47"	21.7	June 1, 1958	to	Sept. 30, 1974
02389500	East Amicalola Creek at Juno	34°28'28"	84°11'55"	28.5	Apr. 1, 1939	to	Sept. 30, 1942
02390000	Amicalola Creek near Dawsonville	34°25'32"	84°12'43"	89.0	Apr. 1, 1939	to	May 31, 1952
02390500	Long Swamp Creek near Ballground	34°19'36"	84°20'41"	76.6	Oct. 1, 1918	to	Sept. 30, 1921
02391000	Etowah River near Ballground	34°19'05"	84°20'35"	477	Apr. 1, 1907	to	Dec. 31, 1915
					Oct. 1, 1918	to	Sept. 30, 1921
02391500	Sharp Mountain Creek near Ballground	34°20'15"	84°24'26"	63.8	Apr. 1, 1939	to	June 30, 1940
02392000	Etowah River at Canton	34°14'23"	84°29'47"	613	Oct. 1, 1896	to	Sept. 30, 1905
					Oct. 1, 1936	to	current year
02392500	Little River near Roswell	34°07'09"	84°23'18"	60.0	Jan. 1, 1947	to	Sept. 30, 1976
02394000	Etowah River at Allatoona Dam, above Cartersville	34°09'47"	84°44'28"	1,120	Sept. 1, 1938	to	current year
02394950	Hills Creek near Taylorsville	34°04'27"	84°57'02"	25.0	May 21, 1959	to	Sept. 30, 1974
02395000	Etowah River near Kingston	34°12'24"	84°58'44"	1,630	July 8, 1928	to	Dec. 31, 1931
					Oct. 1, 1936	to	Oct. 23, 1995
02395120	Two Run Creek near Kingston	34°14'34"	84°53'23"	33.1	May 2, 1980	to	current year
02395500	Dykes Creek near Rome	34°15'30"	85°05'01"	14.9	Jan. 1, 1939	to	Dec. 31, 1942
02395980	Etowah River at State Highway 1 Loop, near Rome	34°13'56"	85°07'01"	1801	Oct. 1, 1994	to	current year
02396000	Etowah River at Rome	34°15'26"	85°09'30"	1,820	Aug. 1, 1904	to	June 30, 1921
					Oct. 1, 1938	to	Sept. 30, 1994
02397000	Coosa River near Rome	34°12'01"	85°15'24"	4,040	Oct. 1, 1896	to	Dec. 31, 1903
					June 21, 1928	to	Dec. 31, 1931
					Mar. 10, 1937	to	Dec. 31, 1958
					Oct. 1, 1962	to	current year
02397410	Cedar Creek at Cedartown	33°59'45"	85°15'53"	66.9	May 4, 1981	to	Oct. 2, 1997
02397500	Cedar Creek near Cedartown	34°03'38"	85°18'41"	115	Oct. 1, 1942	to	Sept. 30, 1973
02397830	Harrisburg Creek near Hawkins	34°36'02"	85°23'21"	13.3	Oct. 1, 1979	to	Sept. 30, 1982
02398000	Chattooga River at Summerville	34°28'03"	85°20'19"	192	Mar. 11, 1937	to	current year
02411800	Little River near Buchanan	33°47'50"	85°07'05"	20.2	June 1, 1959	to	Sept. 30, 1985
02413000	Little Tallapoosa River at Carrollton	33°35'50"	85°04'49"	95.1	Apr. 1, 1937	to	Dec. 31, 1955
03544947	Brier Creek near Hiawassee	34°50'05"	83°42'34"	1.67	May 25, 1984	to	current year
03545000	Hiawassee River at Presley	34°54'17"	83°43'01"	45.5	Dec. 1, 1941	to	Mar. 31, 1982
03545500	Hightower Creek near Presley	34°54'59"	83°41'55"	32.4	Dec. 1, 1941	to	Sept. 30, 1945
03550500	Nottely River near Blairsville	34°50'28"	83°56'10"	74.8	Jan. 23, 1942	to	Mar. 31, 1982
03551000	Coosa Creek near Blairsville	34°51'05"	83°59'35"	21.1	Dec. 12, 1941	to	Sept. 30, 1945
03551500	Youngcane Creek near Youngcane	34°52'41"	84°03'57"	27.6	Jan. 21, 1942	to	Sept. 30, 1945
03552000	Ivylog Creek near Ivylog	34°56'26"	84°01'27"	16.7	Feb. 14, 1942	to	Sept. 30, 1945
03552500	Nottely River near Ivylog	34°55'32"	84°03'39"	191	Oct. 1, 1936	to	Jan. 31, 1942
03553500	Nottely River at Nottely Dam near Ivylog	34°57'55"	84°05'25"	215	July 1, 1942	to	Sept. 30, 1975
03558000	Toccoa River near Dial	34°47'24"	84°14'24"	177	Jan. 1, 1913	to	Oct. 1, 1996
03559000	Toccoa River near Blue Ridge	34°53'14"	84°17'07"	233	Oct. 1, 1898	to	Mar. 31, 1903
					Apr. 1, 1913	to	Aug. 31, 1974

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
03560000	Fightingtown Creek at McCaysville	34°58'53"	84°23'12"	70.9	Nov. 1, 1942	to	Sept. 30, 1971
03567129	Mill Creek near Cedar Grove	34°42'57"	85°25'59"	5.62	July 24, 1986	to	Mar. 31, 1988
03568500	Chattanooga Creek near Flintstone	34°58'20"	85°19'40"	50.6	Jan. 1, 1951	to	Sept. 30, 1974
03568782	Hurricane Creek near Rising Fawn	34°45'48"	85°30'12"	4.28	July 25, 1986	to	May 31, 1987
03568933	Lookout Creek near New England	34°53'51"	85°27'47"	149	Aug. 30, 1979	to	current year
03569000	Lookout Creek near Wildwood	34°57'22"	85°24'12"	165	Aug. 7, 1945	to	Feb. 28, 1946
					Apr. 1, 1946	to	Aug. 15, 1946

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD WATER-QUALITY MONITORING STATIONS

The following list contains discontinued and currently operated continuous-record water-quality stations on streams within the State of Georgia and its border with adjacent States. Daily water-quality records were collected and published for the periods of record shown for each station. The characteristics and constituents are denoted by the following codes: K, Specific Conductance; T, Water Temperature; pH, pH; DO, Dissolved Oxygen; SS, Suspended Sediment; SSQ, Suspended-sediment Discharge; Cl, Chloride.

Station no.	Station name	Latitude	Longitude	Characteristic/ Constituent Code	Period(s) of record		
02178400	Tallulah River near Clayton	34° 53' 25"	83° 31' 50"	T	Oct. 1964	to	Sept. 1979
02190200	Toms Creek Tributary near Avalon	34° 29' 35"	83° 13' 23"	SS	Mar. 1965	to	Sept. 1965
02192000	Broad River near Bell	33° 58' 27"	82° 46' 12"	SS	Oct. 1963	to	Sept. 1964
02193500	Little River near Washington	33° 36' 46"	82° 44' 33"	SSQ	Oct. 1963	to	Sept. 1964
02197000	Savannah River at Augusta	33° 22' 25"	81° 56' 35"	T	Jun. 1972	to	Sept. 1994
02197320	Savannah River near Jackson, S.C.	33° 13' 01"	81° 46' 04"	T	Oct. 1971	to	Sept. 1994
02197370	Savannah River below Steel Creek near Millet, S.C.	33° 04' 58"	81° 35' 54"	T	Oct. 1971	to	Sept. 1994
02197500	Savannah River at Burtons Ferry Bridge near Millhaven	32° 56' 20"	81° 30' 10"	T	Oct. 1960	to	Oct. 1974
02198000	Brier Creek at Millhaven	32° 56' 00"	81° 39' 05"	SS	Oct. 1963	to	Sept. 1964
02198500	Savannah River near Clio	32° 31' 30"	81° 15' 45"	T	May 1938	to	Apr. 1939
					Jan. 1974	to	July 1977
				K	Jan. 1974	to	July 1977
02198810	Abercorn Creek near Savannah	32° 15' 20"	81° 10' 42"	K	Oct. 1986	to	Nov. 1989
02198840	Savannah River near Port Wentworth	32° 14' 08"	81° 09' 05"	K	Oct. 1986	to	current year
02198920	Savannah River at Port Wentworth	32° 09' 57"	81° 09' 14"	K	Oct. 1987	to	current year
021989784	Little Back River above Lucknow Canal near Limehouse, S.C.	32° 11' 08"	81° 07' 05"	K	May 1990	to	current year
021989785	Lucknow Canal near Limehouse, S.C.	32° 08' 32"	81° 05' 54"	K	Oct. 1986	to	Dec. 1990
02198979	Little Back River near Limehouse, S.C.	32° 11' 05"	81° 07' 02"	K	Oct. 1986	to	Dec. 1990
021989791	Little Back River at U.S. Fish and Wildlife Dock, near Limehouse, S.C.	32° 10' 14"	81° 07' 06"	K	Oct. 1989	to	current year
021989797	Back River at Hutchinson Island at Savannah	32° 05' 30"	81° 04' 07"	T	Apr. 1989	to	Aug. 1989
				K	Apr. 1989	to	Aug. 1989
				DO	Apr. 1989	to	Aug. 1989
021989798	Back River at Fig Island at Savannah	32° 05' 17"	81° 03' 35"	T	Apr. 1989	to	Aug. 1989
				K	Apr. 1989	to	Aug. 1989
				DO	Apr. 1989	to	Aug. 1989
021989799	Back River at mouth at Savannah	32° 05' 08"	81° 02' 50"	T	May 1989	to	Aug. 1989
				K	May 1989	to	Aug. 1989
				DO	May 1989	to	Aug. 1989
02202500	Ogeechee River near Eden	32° 11' 29"	81° 24' 58"	T	Oct. 1972	to	Sept. 1981
				K	Oct. 1975	to	Mar. 1981
				SS	Oct. 1963	to	Sept. 1964
				SSQ	Oct. 1963	to	Sept. 1964
02203576	North Newport River at Halfmoon Landing	31° 41' 34"	81° 16' 23"	T	Mar. 1967	to	July 1968
				K	Mar. 1967	to	July 1968
				DO	Mar. 1967	to	July 1968
				pH	Mar. 1967	to	July 1968
02203578	North Newport River at Halfmoon Landing	31° 41' 43"	81° 16' 18"	T	July 1970	to	Oct. 1976
				K	July 1970	to	Oct. 1976
				DO	July 1970	to	Oct. 1976
				pH	July 1970	to	Oct. 1976
02204070	South River at Klondike Road, near Lithonia	33° 37' 47"	84° 07' 43"	T	Nov. 1983	to	current year
				DO	Nov. 1983	to	current year
02208450	Alcovy River above Covington	33° 38' 24"	83° 46' 45"	T	May 1972	to	Sept. 1978
02212600	Falling Creek near Juliette	33° 05' 59"	83° 43' 25"	T	Aug. 1965	to	Sept. 1979
				K	Oct. 1969	to	Sept. 1970
02213000	Ocmulgee River at Macon	32° 50' 19"	83° 37' 14"	SS	Oct. 1960	to	Sept. 1961
				SSQ	Oct. 1960	to	Sept. 1961
02213700	Ocmulgee River near Warner Robins	32° 40' 17"	83° 36' 11"	T	Feb. 1970	to	current year
				K	Feb. 1970	to	current year
				DO	Feb. 1970	to	current year
				pH	Feb. 1970	to	current year
02218500	Oconee River near Greensboro	33° 34' 52"	83° 16' 22"	SS	Oct. 1963	to	Sept. 1964
				SSQ	Oct. 1963	to	Sept. 1964

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD WATER-QUALITY MONITORING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Characteristic/ Constituent Code	Period(s) of record
02223500	Oconee River near Dublin	32° 32' 40"	82° 53' 41"	T SS SSQ	June 1979 to Sept. 1983 Oct. 1963 to Sept. 1964 Oct. 1963 to Sept. 1964
02225000	Altamaha River near Baxley	31° 56' 20"	82° 21' 13"	T K DO pH Cl	Dec. 1970 to Oct. 1976 June 1971 to Oct. 1976 May 1971 to Oct. 1976 May 1971 to Oct. 1976 May 1971 to Oct. 1976
02226000	Altamaha River at Doctortown	31° 39' 16"	81° 49' 41"	T K	Nov. 1967 to Sept. 1978 Oct. 1975 to Sept. 1978
02226160	Altamaha River at Everett City	31° 25' 37"	81° 36' 20"	T K DO pH	Oct. 1969 to Feb. 1986 Oct. 1969 to Feb. 1986 Oct. 1969 to Feb. 1986 Nov. 1969 to Feb. 1986
02228000	Satilla River at Atkinson	31° 13' 16"	81° 52' 03"	T K	Nov. 1974 to Sept. 1981 Feb. 1975 to Sept. 1981
02316000	Alapaha River near Alapaha	31° 23' 03"	83° 11' 33"	T	Oct. 1953 to July 1957
02317500	Alapaha River at Statenville	30° 42' 14"	83° 02' 00"	SS SSQ	Oct. 1961 to Sept. 1962 Oct. 1961 to Sept. 1962
02334430	Chattahoochee River at Buford Dam	34° 09' 25"	84° 04' 44"	T	Aug. 1975 to Oct. 1977
02335000	Chattahoochee River near Norcross	33° 59' 50"	84° 12' 07"	T	Oct. 1976 to Sept. 1981
02336000	Chattahoochee River at Atlanta	33° 51' 33"	84° 27' 16"	T	Nov. 1975 to Oct. 1976
02336479	Chattahoochee River at Plant McDonough at Atlanta	33° 49' 25"	84° 28' 28"	T	Sept. 1975 to Sept. 1976
02336490	Chattahoochee River at State Route 280 at Atlanata	33° 49' 01"	84° 28' 48"	T	Sept. 1975 to Oct. 1976
02337170	Chattahoochee River near Fairburn	33° 39' 24"	84° 40' 25"	T K DO pH	Aug. 1975 to current year Aug. 1975 to current year July 1976 to current year July 1976 to current year
02338000	Chattahoochee River near Whitesburg	33° 28' 37"	84° 54' 04"	T	Aug. 1975 to Sept. 1984
02338660	New River near Corinth	33° 14' 07"	84° 59' 16"	T	Oct. 1978 to Sept. 1984
02338840	Yellowjacket Creek below Hogansville	33° 08' 22"	84° 58' 31"	T	Nov. 1978 to Sept. 1982
02347500	Flint River near Culloden	32° 43' 17"	84° 13' 57"	T SS SSQ	June 1960 to Sept. 1964 Oct. 1961 to Sept. 1962 Oct. 1961 to Sept. 1962
02352500	Flint River at Albany	31° 35' 39"	84° 08' 39"	T SSQ	Feb. 1957 to Sept. 1958 Oct. 1961 to Jan. 1962
02352790	Flint River near Putney	31° 26' 39"	84° 08' 16"	T	July 1979 to June 1984
02382500	Coosawattee River at Carters	34° 36' 13"	84° 41' 44"	T	Apr. 1978 to Sept. 1981
02282720	Coosawattee River near Nickelsville	34° 36' 03"	84° 46' 42"	T	Oct. 1974 to Sept. 1981
02383500	Coosawattee River near Pine Chapel	34° 33' 51"	84° 49' 59"	T SS SSQ	Sept. 1974 to Sept. 1981 Oct. 1960 to Sept. 1963 Jan. 1960 to Sept. 1963
02384540	Mill Creek near Crandall	34° 52' 19"	84° 43' 17"	T K DO pH	Mar. 1985 to Apr. 1987 Mar. 1985 to Mar. 1987 Mar. 1985 to Apr. 1987 Mar. 1985 to Apr. 1987
02387000	Conasauga River at Tilton	34° 40' 00"	84° 55' 42"	T K DO pH SS SSQ	Sept. 1975 to current year Sept. 1975 to current year Sept. 1975 to current year Sept. 1975 to current year Oct. 1962 to Sept. 1963 Oct. 1962 to Sept. 1963
02387500	Oostanaula River at Resaca	34° 34' 42"	84° 56' 29"	T	July 1967 to Sept. 1984

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD WATER-QUALITY MONITORING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Characteristic/ Constituent Code	Period(s) of record
02392000	Etowah River at Canton	34° 14' 23"	84° 29' 47"	T	June 1971 to Sept. 1983
				SSQ	Oct. 1962 to Sept. 1963
02392500	Little River near Roswell	34° 07' 09"	84° 23' 18"	T	Jan. 1971 to Sept. 1976
02397000	Coosa River near Rome	34° 12' 01"	85° 15' 24"	T	Feb. 1986 to current year
02397080	Coosa River at Plant Hammond near Coosa	34° 14' 58"	85° 20' 09"	T	Feb. 1986 to Sept. 1987
02397100	Coosa River at State Highway 100 near Coosa	34° 14' 55"	85° 21' 20"	T	Feb. 1986 to Sept. 1987
02397530	Coosa River near Coosa	34° 11' 54"	85° 26' 46"	T	June 1975 to July 1975
					Aug. 1976 to current year
				K	June 1975 to July 1975
					Aug. 1976 to current year
				DO	June 1975 to current year
				pH	June 1975 to July 1975
					Aug. 1976 to current year
03558000	Toccoa River near Dial	34° 47' 24"	84° 14' 24"	T	July 1964 to Sept. 1967
03568933	Lookout Creek near New England	34° 53' 51"	85° 27' 47"	T	Nov. 1980 to Sept. 1984

GROUND-WATER LEVELS

CHATHAM COUNTY

315950081161201 Local number, 35P094.

LOCATION.—Lat 31°59'50", long 81°16'12", Hydrologic Unit 03060204.

SITE NAME.—University of Georgia.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sand of Holocene and Pleistocene age).

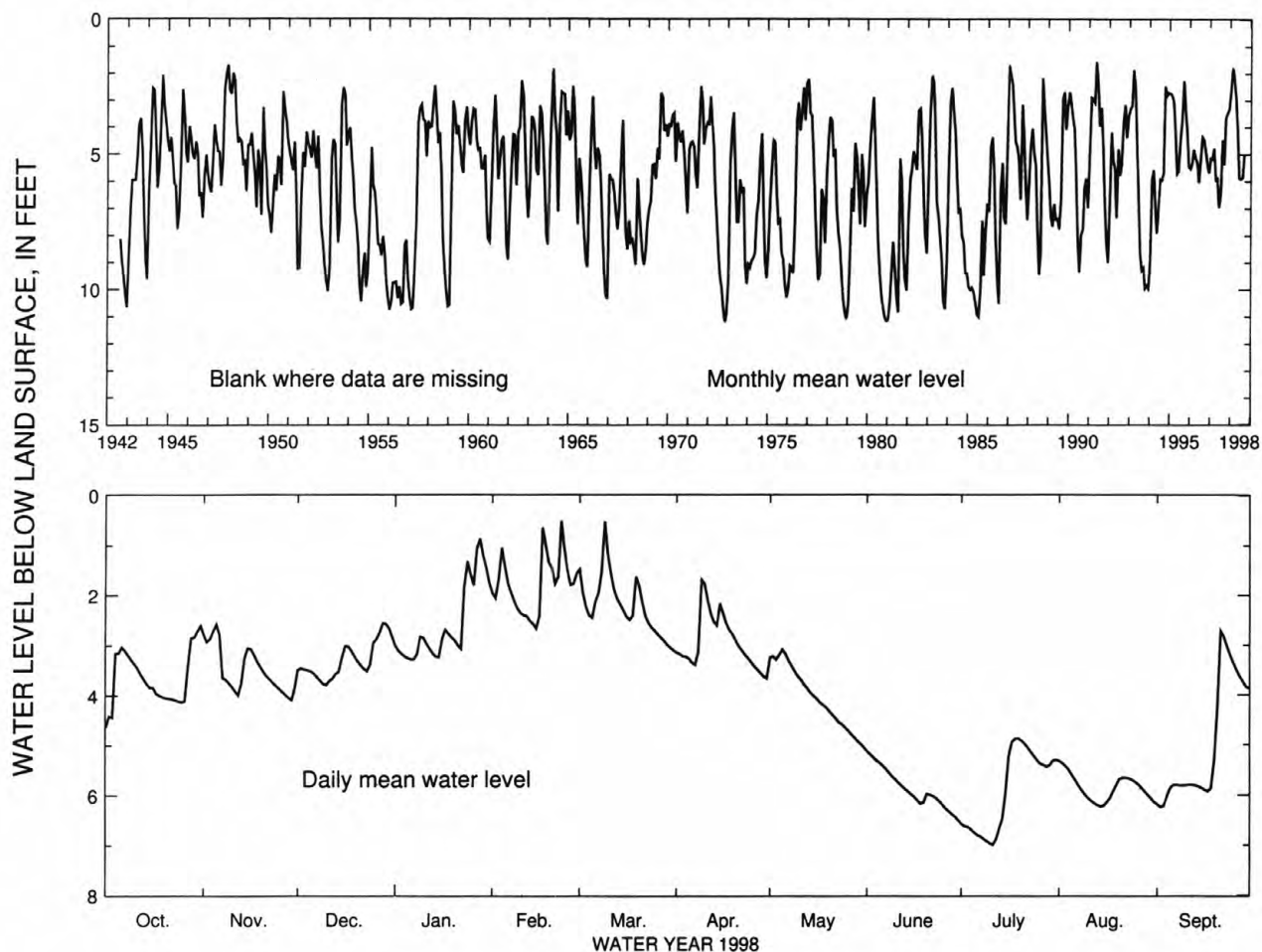
WELL CHARACTERISTICS.—Bored observation well, diameter 30 in., depth 15 ft, cased to 15 ft, open end.

DATUM.—Altitude of land-surface datum is 18.67 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1942 to current year. Continuous record since August 1942.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.05 ft below land-surface datum, September 26, 1953; lowest, 12.28 ft below land-surface datum, November 30, 1972.



WY-1998	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	2.60	2.57	2.55	0.86	0.51	0.52	1.68	3.08	5.12	4.87	5.32	2.71
MEAN	3.64	3.48	3.29	2.57	1.76	2.21	2.93	4.04	5.87	5.91	5.85	4.99
LOW	4.63	4.09	3.79	3.27	2.65	3.09	3.66	5.05	6.50	6.99	6.23	6.24
WATER YEAR 1998	HIGH 0.51 (Feb. 23, 1998)					MEAN 3.89	LOW 6.99 (July 11, 1998)					

GROUND-WATER LEVELS

CHATHAM COUNTY

320202080541201 Local number, 38Q002.

LOCATION.—Lat 32°02'01", long 80°54'11", Hydrologic Unit 03060204.

SITE NAME.—National Park Service, Fort Pulaski, test well 6.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

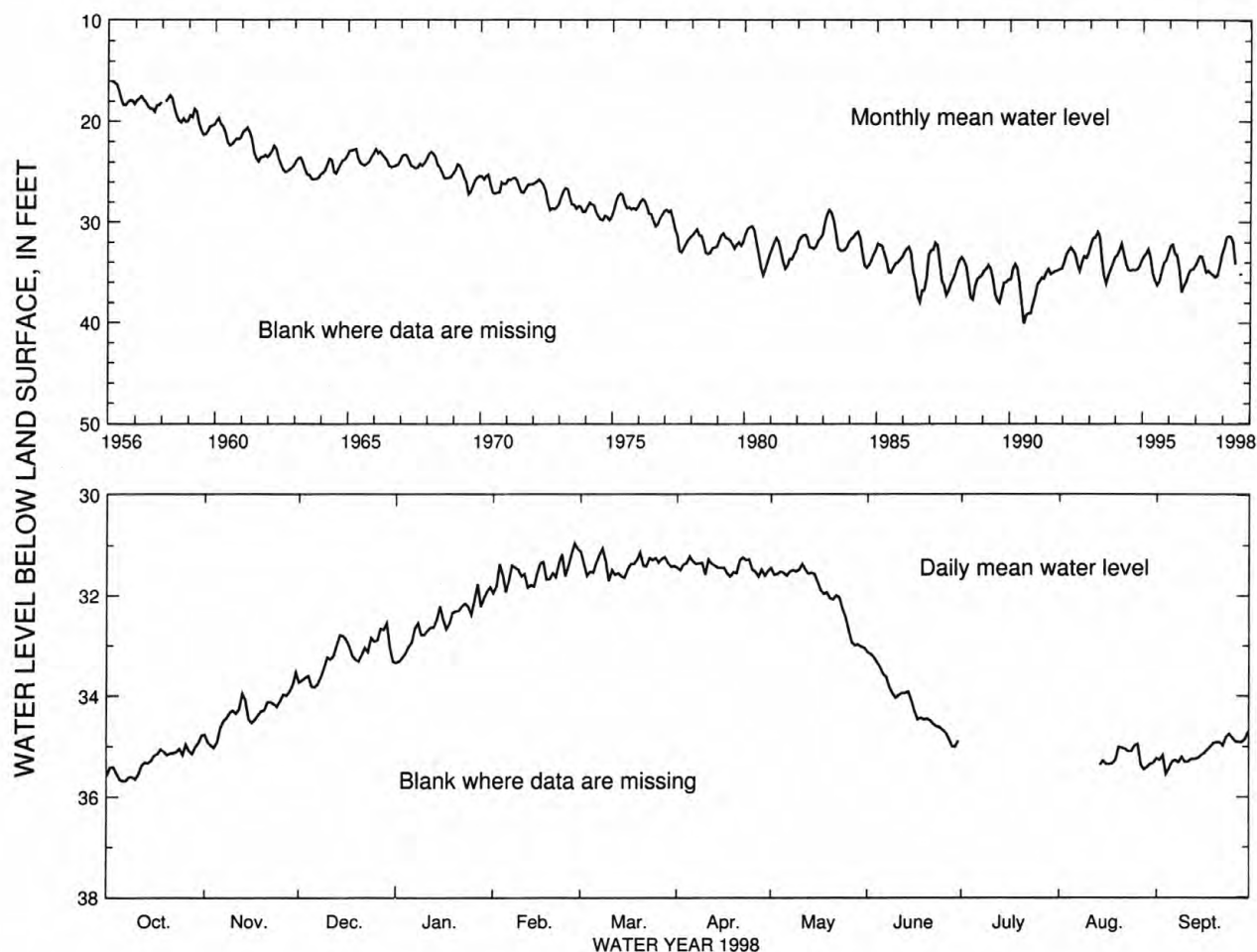
WELL CHARACTERISTICS.—Drilled observation well, diameter 8 in., depth 348 ft, cased to 110 ft, open hole.

DATUM.—Altitude of land-surface datum is 8.0 ft.

REMARKS.—Water-level data for period, July 1 to August 13, 1998, are missing.

PERIOD OF RECORD.—February 1956 to current year. Continuous record since February 1956.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 16.00 ft below land-surface datum, March 5, 1956; lowest, 40.69 ft below land-surface datum, July 16, 1990.



WY-1998	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	34.78	33.53	32.55	31.77	30.96	31.06	31.22	31.37	33.12	-----	-----	34.70
MEAN	35.29	34.33	33.20	32.51	31.53	31.38	31.43	31.96	34.15	-----	-----	35.10
LOW	35.69	35.03	33.83	33.34	31.95	31.71	31.62	33.04	35.01	-----	-----	35.55
WATER YEAR 1998			HIGH 30.96 (Feb. 27, 1998)			MEAN 33.21			LOW 35.69 (Oct. 6, 1997)			

GROUND-WATER LEVELS

DECATUR COUNTY

305736084355801 Local number, 09F520.

LOCATION.—Lat 30°57'42", long 84°35'46", Hydrologic Unit 03130008.

SITE NAME.—Graham Bolton.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

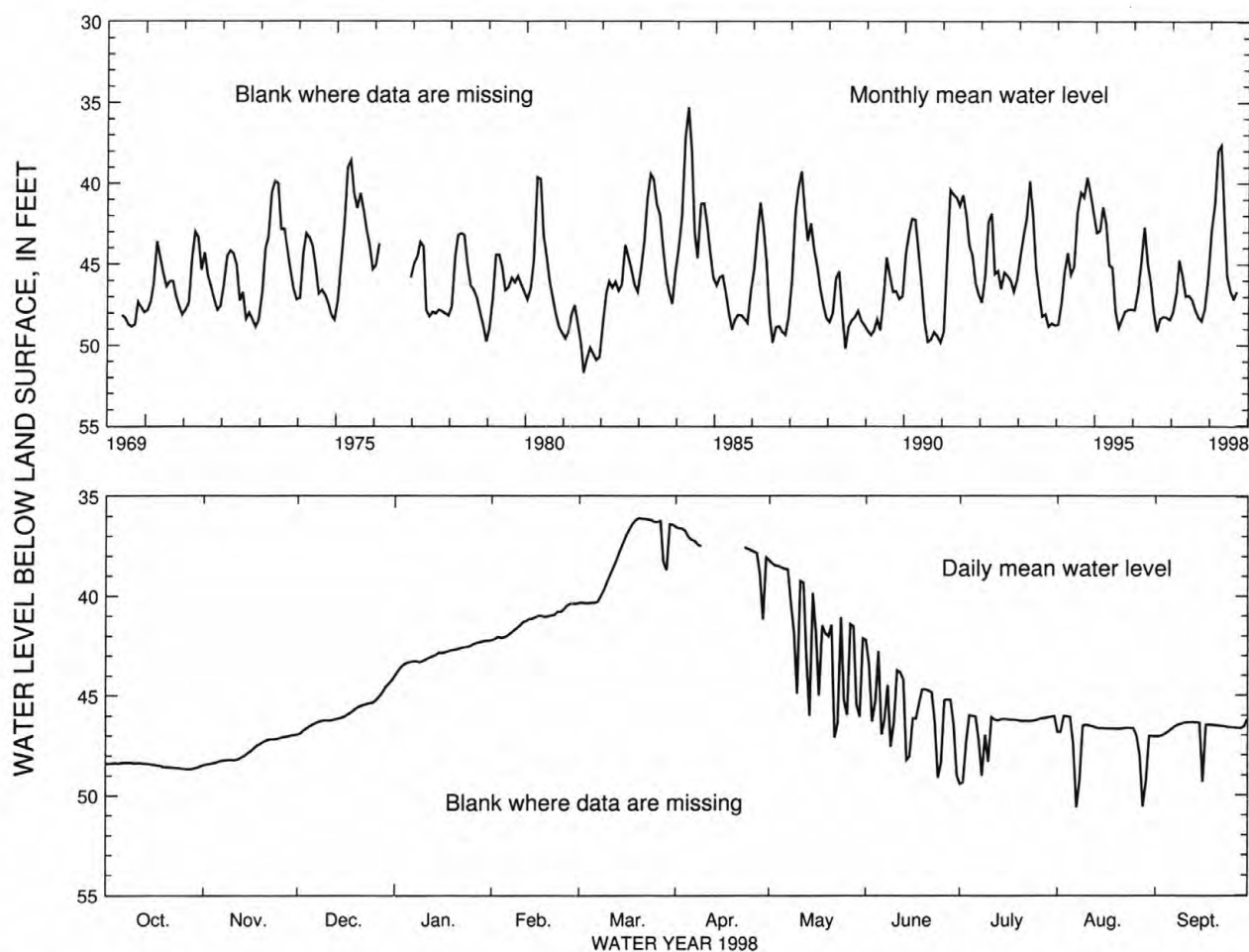
WELL CHARACTERISTICS.—Drilled unused irrigation well, diameter 12 in., depth 251 ft, cased to 130 ft, open hole.

DATUM.—Altitude of land-surface datum is 128 ft.

REMARKS.—Water-level data for period, April 10-22, 1998, are missing.

PERIOD OF RECORD.—June 1969 to current year. Continuous record since May 1969.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 34.86 ft below land-surface datum, April 15, 1984; lowest, 54.89 ft below land-surface datum, September 22, 1990.



WY-1998	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	48.35	46.96	44.23	42.24	40.37	36.09	-----	38.22	42.21	46.00	46.05	46.22
MEAN	48.49	47.74	45.82	42.91	41.25	37.99	-----	41.94	45.72	46.65	47.13	46.68
LOW	48.68	48.47	46.94	44.01	42.21	40.36	-----	47.11	49.13	49.45	50.64	49.35

WATER YEAR 1998 HIGH 36.09 (Mar. 20, 1998) MEAN 44.42 LOW 50.64 (Aug. 7, 1998)

GROUND-WATER LEVELS

DOUGHERTY COUNTY

313530084203202 Local number, 11L001.

LOCATION.—Lat 31°35'30", long 84°20'34", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 4.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

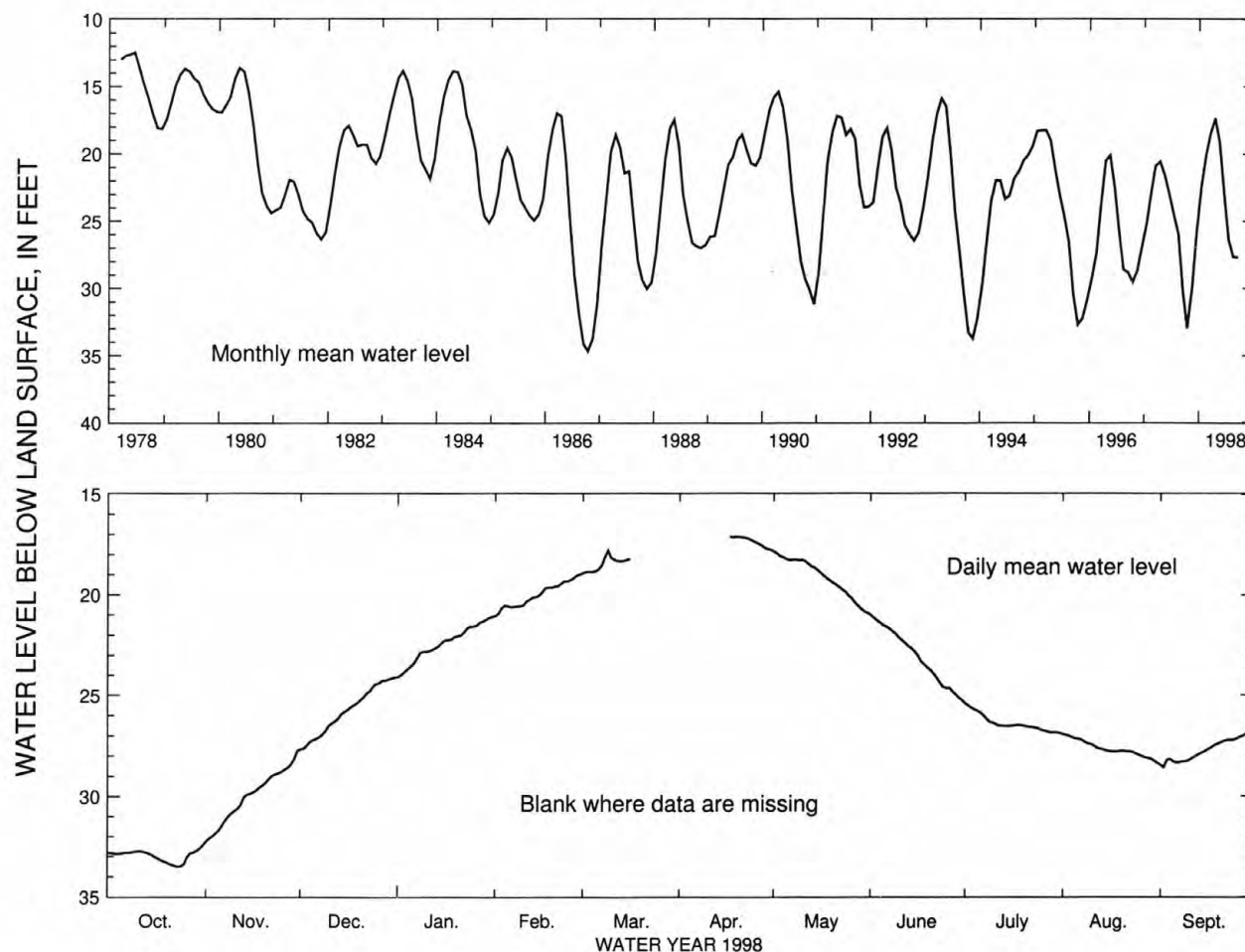
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 251 ft, cased to 233 ft, screen from 233 to 251 ft.

DATUM.—Altitude of land-surface datum is 220 ft.

REMARKS.—Water-level data for period, March 17 to April 16, 1998, are missing.

PERIOD OF RECORD.—March 1978 to current year. Continuous record since March 1978.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 12.11 ft below land-surface datum, June 5-6, 1978; lowest, 34.75 ft below land-surface datum, October 19-20, 1986.



WY-1998	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	32.44	27.76	24.12	21.10	18.99	-----	-----	17.85	21.00	25.40	26.93	26.40
MEAN	32.97	30.01	25.78	22.41	20.01	-----	-----	19.11	23.06	26.39	27.65	27.69
LOW	33.52	32.25	27.67	24.10	21.06	-----	-----	20.90	25.25	26.88	28.37	28.59

WATER YEAR 1998 HIGH 17.12 (Apr. 17, 1998) MEAN 24.87 LOW 33.52 (Oct. 23, 1997)

GROUND-WATER LEVELS

DOUGHERTY COUNTY

313554084062501 Local number, 13L002.

LOCATION.—Lat 31°35'51", long 84°06'24", Hydrologic Unit 03130008.

SITE NAME.—Albany Water, Gas, and Light Commission, Turner City 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

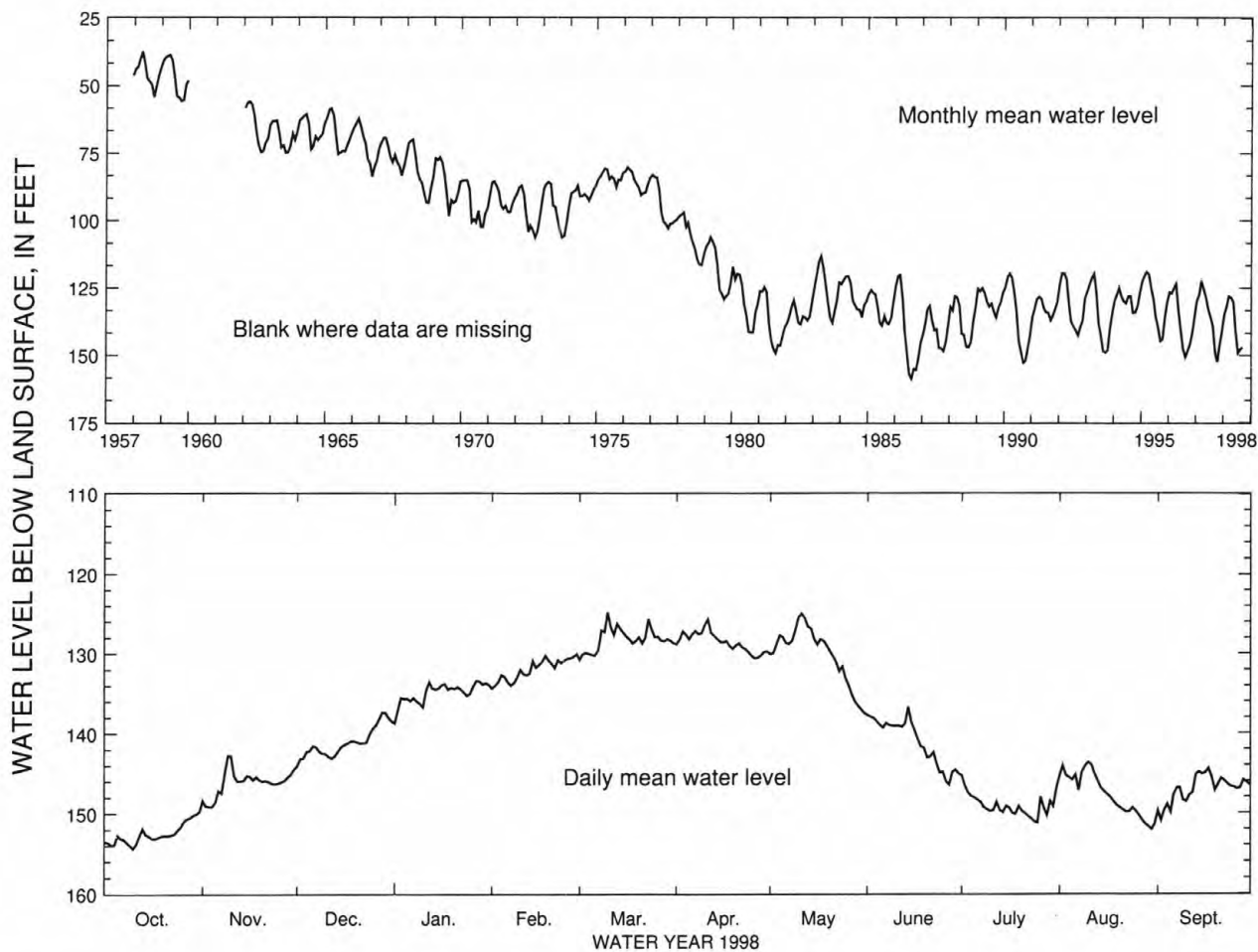
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 12 in., depth 760 ft, cased to 713 ft, open hole.

DATUM.—Altitude of land-surface datum is 212.8 ft.

REMARKS.—None.

PERIOD OF RECORD.—December 1957 to current year. Continuous record December 1957 to December 1959, and since January 1962.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 38.19 ft below land-surface datum, April 1, 1959; lowest, 160.88 ft below land-surface datum, July 26, 1986.



WY-1998	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	32.44	27.76	24.12	21.10	18.99	-----	-----	17.85	21.00	25.40	26.93	26.40
MEAN	32.97	30.01	25.78	22.41	20.01	-----	-----	19.11	23.06	26.39	27.65	27.69
LOW	33.52	32.25	27.67	24.10	21.06	-----	-----	20.90	25.25	26.88	28.37	28.59
WATER YEAR 1998	HIGH 17.12 (April 17, 1998)					MEAN 24.87			LOW 33.52 (Oct. 23, 1997)			

GROUND-WATER LEVELS

FULTON COUNTY

334207084254801 Local number, 10DD02.

LOCATION.—Lat 33°42'07", long 84°25'48", Hydrologic Unit 03130002.

SITE NAME.—U.S. Army, Fort McPherson.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Crystalline rock (Biotite gneiss).

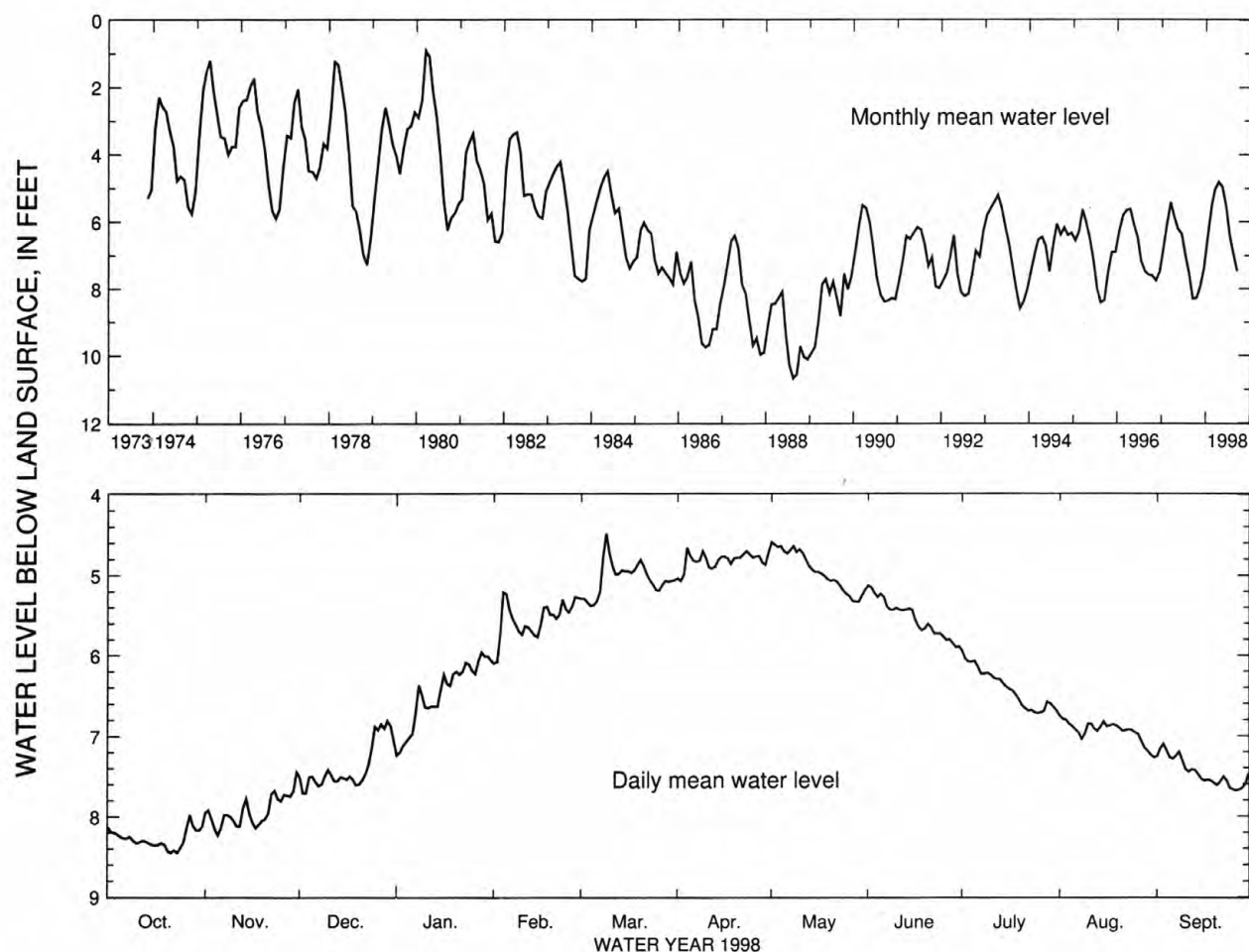
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 12 in., depth 338 ft, cased to 41 ft, open hole.

DATUM.—Altitude of land-surface datum is 1,013 ft.

REMARKS.—None.

PERIOD OF RECORD.—November 1973 to current year. Continuous record since November 1973.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.10 ft below land-surface datum, March 30, 1980; lowest, 10.95 ft below land-surface datum, September 2, 1988.



WY-1998	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	7.98	7.45	6.81	5.96	5.21	4.48	4.66	4.59	5.13	5.94	6.75	7.10
MEAN	8.28	7.93	7.38	6.46	5.55	5.04	4.81	4.95	5.54	6.41	6.94	7.46
LOW	8.45	8.23	7.71	7.24	6.10	5.38	5.07	5.33	5.90	6.72	7.27	7.68
WATER YEAR 1998			HIGH	4.48 (Mar. 9, 1998)		MEAN	6.40		LOW	8.45 (Oct. 21, 1997)		

GROUND-WATER LEVELS

GLYNN COUNTY

311007081301702 Local number, 33H133.

LOCATION.—Lat 31°10'08", long 81°30'16", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 6.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; upper water-bearing zone.

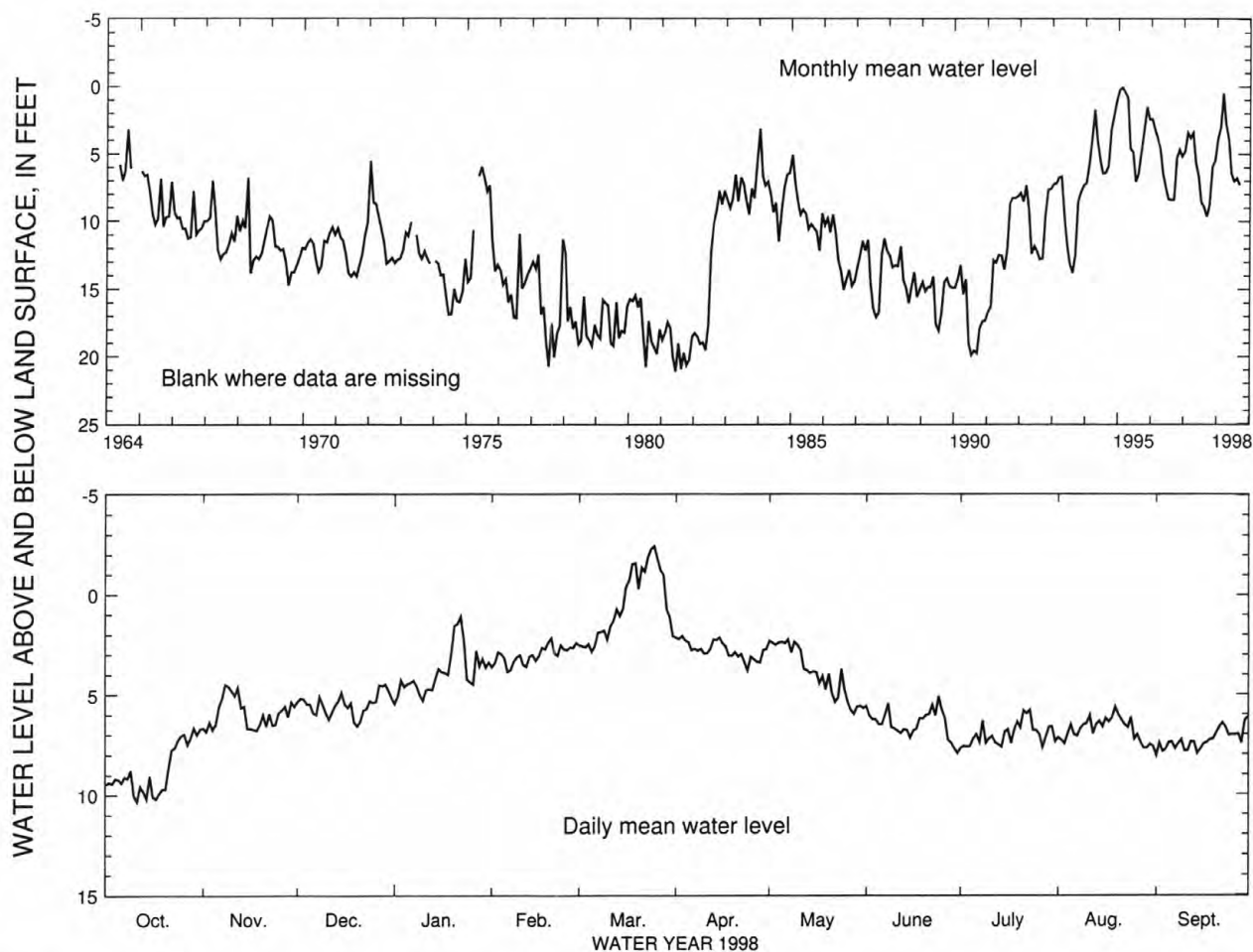
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 790 ft, cased to 520 ft, open hole.

DATUM.—Altitude of land-surface datum is 6.7 ft.

REMARKS.—Well normally pumped and sampled for analysis of chloride concentration annually.

PERIOD OF RECORD.—January 1963 to current year. Continuous record since January 1963.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 9.07 ft above land-surface datum, December 26, 1965; lowest, 21.87 ft below land-surface datum, July 22, 1977.



WY-1998	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	6.65	4.49	4.48	1.09	2.17	-2.44	2.06	2.23	5.09	5.79	5.64	6.13
MEAN	8.78	5.93	5.47	3.88	3.01	0.48	2.76	3.91	6.44	7.01	6.77	7.28
LOW	10.34	6.84	6.57	5.45	3.86	2.84	3.79	5.97	7.94	7.69	7.69	8.06

WATER YEAR 1998 HIGH -2.44 (Mar. 25, 1998) MEAN 5.16 LOW 10.34 (Oct. 11, 1997)

GROUND-WATER LEVELS

LAURENS COUNTY

322652083033001 Local number, 21T001.

LOCATION.—Lat 32°27'06", long 83°03'28", Hydrologic Unit 03070102.

SITE NAME.—Danny Hogan.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

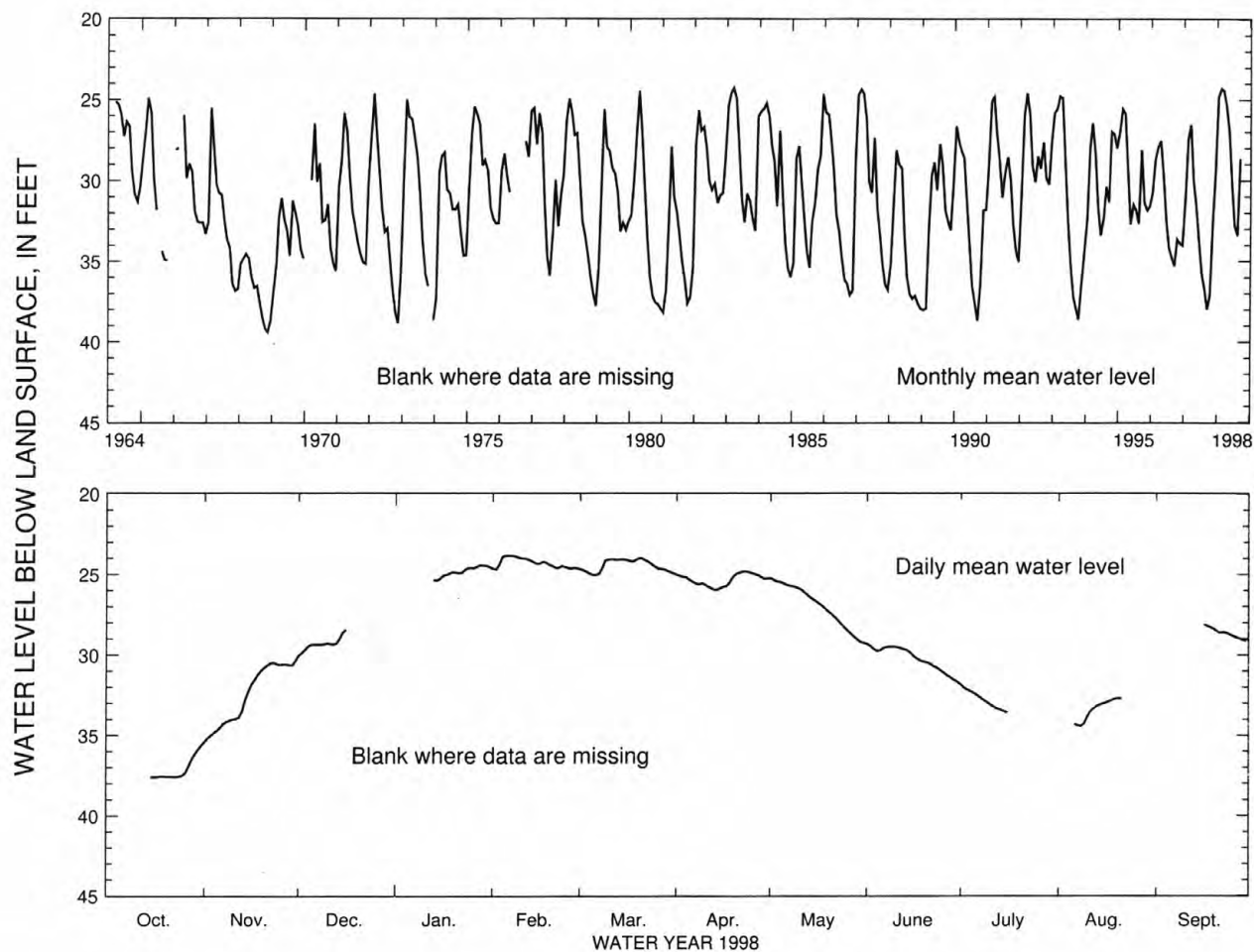
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 123 ft, cased to 89 ft, open hole.

DATUM.—Altitude of land-surface datum is 259 ft.

REMARKS.—Water levels for periods, October 1-14, 1997, December 17, 1997 to January 12, 1998, July 14 to August 5, 1998, and August 22 to September 15, 1998, are missing.

PERIOD OF RECORD.—March 1964 to current year. Continuous record since March 1964.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 23.62 ft below land-surface datum, January 26, 1987; lowest, 39.58 ft below land-surface datum, November 12, 1968.



WY-1998	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	-----	30.34	-----	-----	23.84	23.99	24.82	25.24	29.32	-----	-----	-----
MEAN	-----	32.49	-----	-----	24.29	24.44	25.34	26.96	30.22	-----	-----	-----
LOW	-----	35.41	-----	-----	24.70	25.04	25.96	29.26	31.71	-----	-----	-----
WATER YEAR 1998	HIGH 23.84 (Feb. 5-7, 1998)					MEAN 28.59	LOW 37.62 (Oct. 15, 1997)					

GROUND-WATER LEVELS

WALKER COUNTY

345403085160001 Local number, 03PP01.

LOCATION.—Lat 34°54'08", long 85°16'00", Hydrologic Unit 06020001.

SITE NAME.—National Park Service, Chickamauga Battlefield Park.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Paleozoic rock (Chickamauga Limestone).

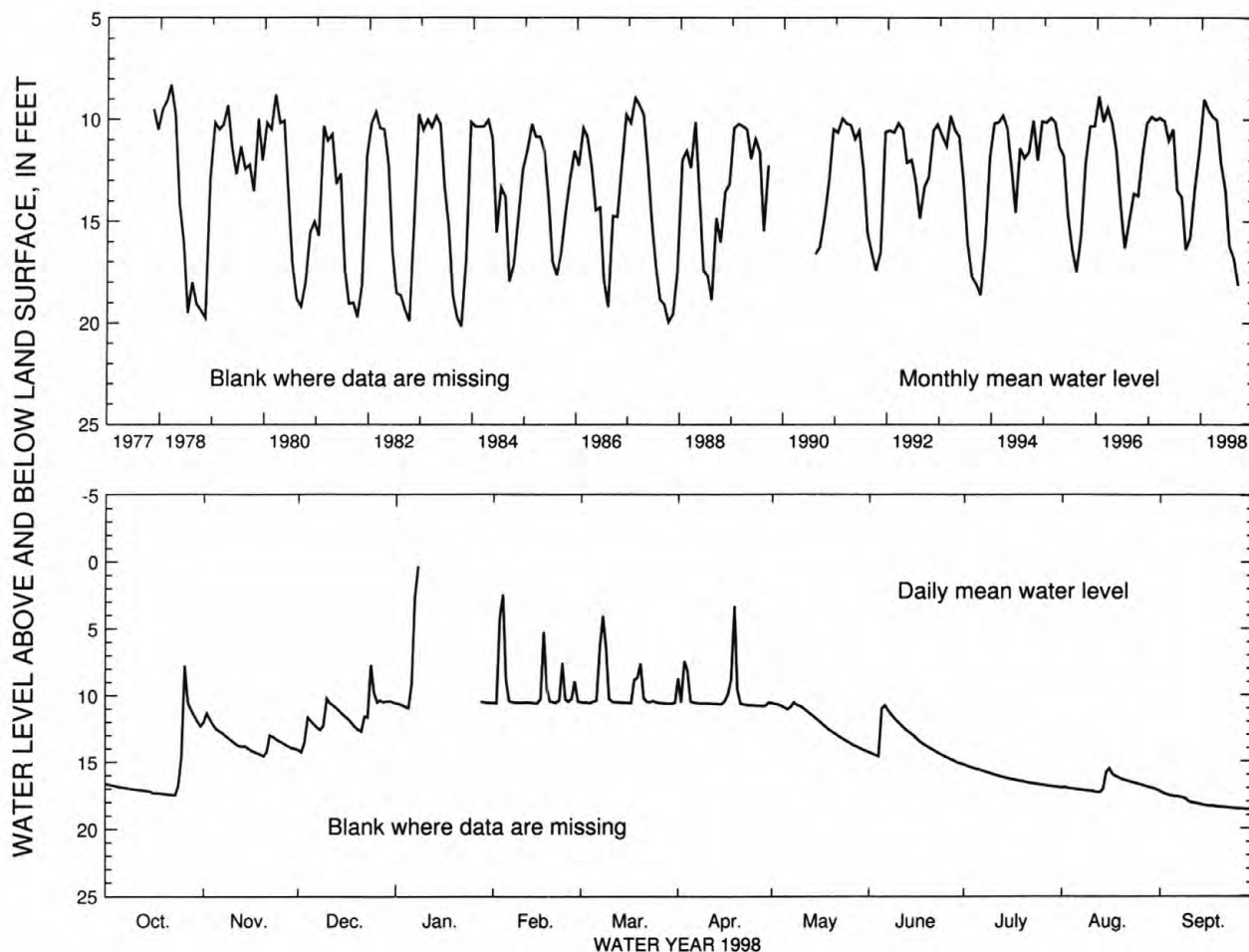
WELL CHARACTERISTICS.—Cable-tooled observation well, diameter 8 in., depth 72 ft, cased to 11 ft, open hole.

DATUM.—Altitude of land-surface datum is 730 ft.

REMARKS.—Water-level data for period, January 9-27, 1998, are missing.

PERIOD OF RECORD.—November 1977 to current year. Continuous record since November 1977.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.32 ft below land-surface datum, January 8, 1998, but may have been higher during period of missing record; lowest, 21.70 ft below land-surface datum, August 5, 1978.



WY-1998	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	7.74	11.34	7.70	-----	2.45	4.04	3.33	10.54	10.77	15.25	15.57	17.27
MEAN	15.80	13.40	11.50	-----	9.53	9.83	10.03	12.12	13.47	16.25	16.80	18.14
LOW	17.48	14.57	14.27	-----	10.58	10.62	10.83	14.21	15.18	16.94	17.34	18.59
WATER YEAR 1998	HIGH 0.32 (Jan. 8, 1998)			MEAN 13.23			LOW 18.59 (Sept. 30, 1998)					

CHEMICAL QUALITY OF PRECIPITATION

TIFT COUNTY

313106083325450 TIFTON AGRICULTURAL RESEARCH SERVICE STATION NEAR CHULA, GA.
 (National Atmospheric Deposition Program network station)
 (National Trends Network station)

LOCATION.--Lat 31°31'06", long 83°32'54", Tift County, Hydrologic Unit 03110204, at the Southeastern Watershed Research Laboratory, U.S. Department of Agriculture, Agricultural Research Service, at field edge 0.18 mi west and 0.13 mi north of the intersection of County Roads 15 and 108, 2.1 mi south of Chula, and 4.6 mi northwest of Tifton, Georgia.

PERIOD OF RECORD.--February 1994 to current year.

REMARKS.--Chemical analyses reported are for wet precipitation medium code "7". Standard NADP/NTN protocol dictates that during periods of collector malfunction involving either the sensor or drive motor, the wet/dry collector should be left in "bulk" mode, i.e., the "wet" side bucket is left uncovered for the sampling period. The data collected at this station are maintained in a central repository by the NADP Program Office and are available on the WEB at <http://nadp.sws.uiuc.edu>.

PRECIPITATION-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

BEGIN DATE	END DATE	TOTAL PRECIPITATION FOR DEFINED PERIOD (IN)	VOLUME ATMOSPHERIC DEPOSITION WET (L)	COLLECTOR EFFICIENCY (PER-CENT)	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH WATER WHOLE FIELD (SU)	PH WATER WHOLE LAB (SU)
9/30/97	10/7/97	—	0.00	—	—	12.2	—	4.93
10/7/97	10/14/97	0.00	0.00	—	—	—	—	—
10/14/97	10/20/97	0.17	0.29	100	19.6	34.5	4.22	4.26
10/20/97	10/28/97	—	12.60	—	7.1	7.6	4.87	5.00
10/28/97	11/3/97	0.72	1.22	100	9.3	9.9	4.81	4.76
11/3/97	11/11/97	0.89	1.53	100	9.2	9.2	4.79	4.87
11/11/97	11/18/97	3.10	5.43	100	13.0	11.5	4.61	4.67
11/18/97	11/24/97	0.21	0.38	100	20.1	20.0	4.55	4.56
11/24/97	12/2/97	3.29	5.84	100	4.6	4.1	5.04	5.14
12/2/97	12/9/97	0.05	0.08	100	—	21.8	—	4.63
12/9/97	12/16/97	4.11	7.35	100	12.0	11.0	4.67	4.68
12/16/97	12/23/97	0.63	1.08	100	10.7	11.6	4.72	4.78
12/23/97	12/30/97	3.71	6.54	100	8.5	9.0	4.73	4.80
12/30/97	1/6/98	0.00	0.00	—	—	—	—	—
1/6/98	1/13/98	0.95	1.65	100	9.6	10.1	4.98	4.96
1/13/98	1/20/98	1.28	2.29	100	10.5	11.5	4.66	4.69
1/20/98	1/27/98	3.03	5.35	100	12.9	13.1	4.61	4.69
1/27/98	2/3/98	1.25	2.15	100	—	—	—	—
2/3/98	2/10/98	0.67	1.14	100	13.1	14.3	4.77	4.71
2/10/98	2/17/98	1.60	2.88	100	9.5	10.4	4.80	4.76
2/17/98	2/24/98	1.33	2.44	100	9.7	9.3	5.21	4.98
2/24/98	3/3/98	0.44	0.77	100	—	—	—	—
3/3/98	3/10/98	7.60	13.18	100	8.3	6.6	4.90	5.08
3/10/98	3/16/98	0.00	0.00	—	—	—	—	—
3/16/98	3/24/98	1.96	3.38	100	4.3	4.5	5.53	5.20
3/24/98	3/31/98	0.00	0.00	—	—	—	—	—
3/31/98	4/7/98	—	0.01	—	—	—	—	—
4/7/98	4/13/98	2.97	5.16	100	—	—	—	—
4/13/98	4/22/98	0.70	1.21	100	—	—	—	—
4/22/98	4/28/98	0.00	0.00	—	—	—	—	—
4/28/98	5/5/98	0.77	1.34	100	20.5	20.6	4.65	4.63
5/5/98	5/12/98	0.58	1.03	100	16.3	17.0	5.15	5.32
5/12/98	5/19/98	0.00	0.00	—	—	—	—	—
5/19/98	5/26/98	0.00	0.00	—	—	—	—	—
5/26/98	6/1/98	1.01	1.78	100	23.3	23.4	4.50	4.43
6/1/98	6/9/98	0.32	0.53	100	17.4	12.1	5.13	5.07
6/9/98	6/15/98	1.01	1.74	100	15.2	15.8	4.61	4.59
6/15/98	6/23/98	0.43	0.73	100	18.4	20.8	4.52	4.46
6/23/98	6/29/98	0.44	0.76	100	—	—	—	—
6/29/98	7/6/98	0.03	0.05	100	—	39.0	—	4.13
7/6/98	7/14/98	1.32	2.33	100	31.4	36.2	4.18	4.22
7/14/98	7/20/98	0.73	1.27	100	13.0	14.1	—	4.72
7/20/98	7/28/98	—	1.96	—	24.0	24.0	—	4.31
7/28/98	8/3/98	1.26	2.26	100	22.5	25.2	4.68	4.33
8/3/98	8/10/98	0.53	0.93	100	12.7	17.7	4.39	4.45
8/10/98	8/18/98	2.15	3.71	100	12.1	13.7	4.54	4.58
8/18/98	8/24/98	0.40	0.71	100	15.8	17.1	4.51	4.54
8/24/98	8/31/98	0.09	0.07	100	—	40.1	—	4.14
8/31/98	9/8/98	5.78	9.77	100	3.5	4.1	5.10	5.17
9/8/98	9/14/98	0.01	0.01	100	—	5.0	—	5.52
9/14/98	9/22/98	2.85	4.94	100	4.7	5.6	5.34	5.07
9/22/98	9/29/98	0.49	0.90	100	16.8	16.6	4.57	4.59

TIFT COUNTY

313106083325450 TIFTON AGRICULTURAL RESEARCH SERVICE STATION NEAR CHULA, GA.--Continued

PRECIPITATION-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

BEGIN DATE	END DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM DIS-SOLVED (MG/L AS CA)	SODIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS K)	CHLORIDE DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE DISSOLVED (MG/L AS NO3)	NITRO-GEAMMONIAN, DIS-SOLVED (MG/L AS NH4)
9/30/97	10/7/97	--	--	--	--	--	--	--	--
10/7/97	10/14/97	--	--	--	--	--	--	--	--
10/14/97	10/20/97	0.1	0.051	0.395	0.043	3.11	0.64	2.55	0.68
10/20/97	10/28/97	0.1	0.024	0.199	0.012	0.66	0.32	0.30	0.10
10/28/97	11/3/97	0.1	0.012	0.095	0.007	0.84	0.16	0.59	0.14
11/3/97	11/11/97	0.0	0.016	0.091	0.114	0.68	0.17	0.67	<0.02
11/11/97	11/18/97	0.0	0.005	0.072	0.021	1.02	0.07	0.51	0.12
11/18/97	11/24/97	0.1	0.068	0.567	0.037	1.65	0.87	1.52	0.33
11/24/97	12/2/97	<0.01	0.003	0.032	<0.003	0.32	0.06	0.16	0.02
12/2/97	12/9/97	0.3	0.066	0.569	0.026	2.18	1.07	1.41	0.37
12/9/97	12/16/97	0.0	0.007	0.054	0.006	1.04	0.11	0.36	0.07
12/16/97	12/23/97	0.1	0.035	0.277	0.021	0.98	0.41	0.68	0.15
12/23/97	12/30/97	0.0	0.015	0.118	0.011	0.72	0.22	0.38	0.09
12/30/97	1/6/98	--	--	--	--	--	--	--	--
1/6/98	1/13/98	0.1	0.051	0.440	0.022	0.76	0.78	0.49	0.11
1/13/98	1/20/98	0.0	0.017	0.140	0.019	0.90	0.23	0.74	0.13
1/20/98	1/27/98	0.0	0.024	0.178	0.017	1.07	0.31	0.70	0.12
1/27/98	2/3/98	--	--	--	--	--	--	--	--
2/3/98	2/10/98	0.1	0.071	0.610	0.031	0.76	1.06	0.93	0.07
2/10/98	2/17/98	0.0	0.025	0.214	0.012	0.81	0.37	0.55	0.08
2/17/98	2/24/98	0.3	0.021	0.116	0.036	1.05	0.22	0.75	0.16
2/24/98	3/3/98	--	--	--	--	--	--	--	--
3/3/98	3/10/98	0.1	0.027	0.182	0.031	0.64	0.32	0.36	0.12
3/10/98	3/16/98	--	--	--	--	--	--	--	--
3/16/98	3/24/98	0.0	0.016	0.123	0.010	0.25	0.20	0.27	<0.02
3/24/98	3/31/98	--	--	--	--	--	--	--	--
3/31/98	4/7/98	--	--	--	--	--	--	--	--
4/7/98	4/13/98	--	--	--	--	--	--	--	--
4/13/98	4/22/98	--	--	--	--	--	--	--	--
4/22/98	4/28/98	--	--	--	--	--	--	--	--
4/28/98	5/5/98	0.3	0.080	0.488	0.061	1.97	0.89	1.68	0.44
5/5/98	5/12/98	0.3	0.062	0.350	0.117	2.22	0.65	1.95	1.141
5/12/98	5/19/98	--	--	--	--	--	--	--	--
5/19/98	5/26/98	--	--	--	--	--	--	--	--
5/26/98	6/1/98	0.1	0.051	0.332	0.046	2.15	0.57	1.50	0.38
6/1/98	6/9/98	0.2	0.049	0.295	0.052	1.31	0.53	1.20	0.54
6/9/98	6/15/98	0.1	0.022	0.139	0.019	1.52	0.24	0.82	0.24
6/15/98	6/23/98	0.2	0.033	0.115	0.039	1.86	0.21	1.32	0.27
6/23/98	6/29/98	--	--	--	--	--	--	--	--
6/29/98	7/6/98	0.2	0.034	0.097	0.072	3.20	0.36	2.48	0.16
7/6/98	7/14/98	0.2	0.036	0.143	0.031	3.30	0.23	2.43	0.47
7/14/98	7/20/98	0.0	0.030	0.231	0.023	1.12	0.42	0.86	0.22
7/20/98	7/28/98	0.1	0.011	0.043	0.019	2.08	0.10	1.51	0.34
7/28/98	8/3/98	0.1	0.019	0.067	0.019	2.01	0.12	1.60	0.20
8/3/98	8/10/98	0.0	0.011	0.060	0.022	1.01	0.13	1.45	0.09
8/10/98	8/18/98	0.0	0.007	0.020	0.008	1.12	0.05	0.81	0.17
8/18/98	8/24/98	0.1	0.028	0.058	0.090	1.26	0.13	1.51	0.23
8/24/98	8/31/98	0.2	0.026	0.086	0.152	4.27	0.22	1.95	0.51
8/31/98	9/8/98	0.0	0.007	0.043	<0.003	0.33	0.08	0.14	0.03
9/8/98	9/14/98	--	--	--	--	--	--	--	--
9/14/98	9/22/98	<0.01	0.007	0.050	0.005	0.52	0.09	0.18	0.09
9/22/98	9/29/98	0.1	0.028	0.205	0.022	1.28	0.41	1.21	0.23

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

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



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